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NICNAS

The *Industrial Chemicals (Notification and Assessment) Act 1989* (the Act) commenced on 17 July 1990. As required by Section 5 of the Act, a Chemical Gazette is published on the first Tuesday in any month or on any days prescribed by the regulations.

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1 NANOMATERIALS - CALL FOR INFORMATION

This notice is directed to all persons who have manufactured or imported nanomaterials or products (mixtures) containing nanomaterials during 2005 and/or intend to in 2006.

Nanomaterials are materials designed at the molecular (nanometre) level to take advantage of their small size and/or novel properties compared to the corresponding conventional bulk chemical. There is currently no agreed national or international definition of nanomaterials. For the purposes of this call for information, NICNAS is requesting information on chemicals specifically engineered to have at least one dimension less than 100 nanometres, (henceforth referred to as nanomaterials). Nanomaterials may be nano-scale (1-100nm) in one dimension (eg surface films), two dimensions (strands or fibres), or three dimensions (particles).

While nanomaterials have the potential to provide significant benefits to society, it is important to ensure they are introduced safely. NICNAS provides a national notification scheme for industrial chemicals introduced to Australia, and aims to protect the public and the environment from any harmful effects of these chemicals.

Nanomaterials are currently of regulatory interest because some research on a few nanomaterials has suggested potential environmental and health impacts. This reflects the nature of nanomaterials in that the particle size is orders of magnitude smaller than conventional bulk materials, and the nanomaterials may have increased capacity for absorption and substantially greater surface area and reactivity. It is important and timely that NICNAS considers nanomaterials, their potential health and environmental impacts, and the ability of the scheme to adequately assess the potential risks of nanomaterials.

NICNAS is seeking information on uses and quantities of nanomaterials imported or manufactured for industrial uses, and use in cosmetics and personal care products. This information will assist in understanding which nanomaterials are available on the market or close to commercialisation, and in focussing our efforts to ensure the adequacy of the regulatory scheme. Importantly, the information will help develop links with industry to aid future dialogue in this review process. NICNAS will analyse the information and prepare a report on the extent and scope of the use of nanomaterials in industrial, cosmetic and personal care products in Australia. Commercially confidential information, such as company details and chemical identity data, will not be published if requested.

The following specific information is sought for nanomaterials **for 2005, and for 2006 (estimated usage only)**:

- Chemical name, trade name and formula (CAS number if available)
- Estimate of the total quantity (kg/year) of nanomaterials imported to Australia (in raw form or in products) and/or manufactured in Australia;
- Industrial uses of nanomaterials, or the products containing nanomaterials, the concentration of nanomaterials in products and whether any products are available to the public.

Responses regarding the nanomaterials are required on the attached form by 17 March 2006. A separate form should be completed for each nanomaterial. Respondents who prefer that specific information not be published should please indicate this on the form.

Nanomaterials used exclusively as therapeutic goods (such as sunscreens), food or food additives and agricultural or veterinary chemicals, do not fall within the scope of NICNAS, and are consequently outside this call for information.

If you would like any further information, please contact Dr David Stone on 02 8577 8858.

Completed form(s) should be sent to:

Dr David Stone
Existing Chemicals
NICNAS
GPO Box 58
Sydney NSW 2001

RESPONSE TO NANOMATERIALS - Call for information

Please use a separate form for each Nanomaterial.

Company Name: _____

Address: _____

Contact name: _____ email: _____

Phone Number: _____ Fax Number: _____

Details of Chemical (complete as appropriate for each nanomaterial)

Chemical Name:

Trade Name:

Chemical Formula:

Chemical Abstract Service Number (CAS No.):

1. Do you manufacture the above Nanomaterial? (Please circle) Y/N

If yes, please provide an estimate of the quantity you manufacture

_____ kg /year:

2. Do you import the Nanomaterial? (Please circle) Y/N

If yes, please provide an estimate of the quantities of chemical you import

_____ kg/year:

3. Do you import products (mixtures) containing this Nanomaterial? (Please circle) Y/N

If yes, please indicate the product(s) you **import** containing the Nanomaterial, the concentration of the Nanomaterial in the product (in %), and the total kg of Nanomaterial for each product:

Name/Description of Product	concentration (%)	kg NM/year

4. Do you formulate products containing this Nanomaterial? (Please circle) Y/N

If Yes, please indicate the product(s) which you **formulate** containing the Nanomaterial, the concentration of the Nanomaterial in the product (in %), and the total kg of NM in each product:

Name /Description of Product	concentration (%)	kg NM/year
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If you indicated YES to one or more of Questions 1-4;
Please indicate what are the uses of the Nanomaterial/nanomaterial-containing products manufactured, imported or formulated by you?

5. Is this Nanomaterial available to members of the public? (Please circle) Y/N

Do you wish that any information provided in this form be kept confidential? YES NO

Please specify which information you do not wish to be published

All information collected is treated in accordance with strict confidentiality guidelines and in compliance with the *Privacy Act 1988*.

Further information: contact Dr David Stone (Tel: 02 8577 8858; email: david.stone@nicnas.gov.au).

Is your company a small business with less than 20 employees? YES NO

If yes, please provide an estimate of the time taken to complete this form:
hrs mins

Thank-you. Please send the completed form to:

Dr David Stone
Existing Chemicals
NICNAS
GPO Box 58
Sydney NSW, 2001

2 REVIEW OF THE NICNAS EXISTING CHEMICALS PROGRAM DISCUSSION PAPER FOR PUBLIC COMMENT

NICNAS assesses those chemicals that are already in use in Australia (known as 'Existing Chemicals') on a priority basis in response to specific concerns about potential health and/or environmental effects.

Currently the Existing Chemicals assessment program is under review with a view to enhancing its:

- efficiency and effectiveness;
- flexibility and responsiveness to stakeholder needs; and
- harmonisation with comparable schemes and the need to reflect international trends in best practice chemicals regulation.

The review seeks mechanisms to better determine national priorities for assessment of existing chemicals, better utilise overseas testing and assessment program outputs, and better address the needs of the community and industry regarding access to sound information on chemicals hazards and risks.

The review has been overseen by a Review Steering Committee (RSC) comprising representatives from the community, industry, states and territories, the Department of Environment and Heritage and NICNAS. The RSC is chaired independently from NICNAS. The RSC has overseen the work of three technical working groups, each looking at different aspects of the review.

- Working Group 1: Inputs - detection and identification of chemical hazards, risks and concerns;
- Working Group 2: Assessment processes - to address detected/identified hazards, risks and concerns; and
- Working Group 3: Outputs - development of a regulatory framework to ensure best practice regulation of existing chemicals, including national implementation of NICNAS guidance and advice on safe use, elimination and risk reduction.

A Discussion Paper outlining the proposals for reform of the Existing Chemicals assessment program will be released shortly for public comment for a period of eight weeks. The paper, to be posted on the NICNAS website, will explain and discuss the issues and concerns identified in the review to ensure that everyone has an opportunity to contribute to the review of the program.

Consultation on the regulation of existing industrial chemicals is important to ensure that the legislative framework is effective and responsive to the needs of stakeholders in Australia. Public comment will be fed back into the reform process. The final report with recommendations will be published by June 2006.

Background information on the reform initiative and information papers are available on the NICNAS web site at www.nicnas.gov.au

To register your interest to receive the Discussion Paper by mail or e-mail, please call the NICNAS office on 02 8577 8850.

Should you wish to discuss the review, please contact Mr Bob Graf, Team Leader Reform, 02 8577 8850, e-mail bob.graf@nicnas.gov.au or Mr Stephen Zaluzny, Regulatory Scientist Existing Chemicals, tel 02 8577 8883, e-mail stephen.zaluzny@nicnas.gov.au.

3 NICNAS REGULATION OF COSMETIC CHEMICALS: INTERIM ARRANGEMENTS

The purpose of this notice is to advise companies of interim arrangements for products currently regulated as therapeutic products that meet specified criteria to be regulated as cosmetics, pending legislative underpinning of cosmetic reforms in the *Industrial Chemicals (Notification And Assessment) Act 1989* (the Act). Preliminary advice on these interim arrangements was published in the *Chemical Gazette* of 3 January 2006.

Interim arrangements will operate as a bridging arrangement until such time as formal legislative instruments are established. Companies marketing these products retain the right to be regulated as either therapeutic goods or cosmetics. Interim arrangements will apply:

- on a product-by-product basis; and
- provided that all stipulated cosmetic criteria are met; and
- by written agreement directly between the company and the Director, NICNAS.

These interim arrangements will commence initially for the following products only:

- antiperspirants;
- antidandruff shampoos;
- primary sunscreens with SPF less than 4;
- moisturisers with secondary sunscreens (SPF ≥ 4 to ≤ 15); and
- anti-acne skin cleansers.

While antibacterial hand washes will be subject to interim arrangements, it has been decided to delay implementation at this time because it is apparent that the proposed exclusion criteria (ie not for prevention of the transmission of disease, not specifically for use in clinical/surgical settings and not specifically for food handling) require further clarification. This matter will be referred to the Implementation Working Group for resolution as a matter of priority.

The following Forms and guidance material are available from the NICNAS website at www.nicnas.gov.au :

- Form C-1: Application for regulation as a cosmetic under interim arrangements.
- Form C-2: Request for listing chemicals on the Australian Inventory of Chemical Substances (AICS) under interim arrangements.
- Form C-3: Request to be considered a cosmetic product under interim arrangements – moisturisers with secondary sunscreen.
- Form C-4: Request to be considered a cosmetic product under interim arrangement – primary sunscreen with SPF<4.

Contact Officer: Dr. Naomi Degabriele
Phone (02) 8577 8856
Fax (02) 8577 8888
Email naomi.degabriele@nicnas.gov.au

4 PUBLICATION SUMMARY REPORT

ADK STAB NA-11 Summary Report Reference No: STD/1167

Marubeni Australia Ltd of Level 18, 367 Collins Street, Melbourne, VIC 3000 (ABN 53 000 329 699) has submitted a standard notification statement in support of their application for an assessment certificate for ADK STAB NA-11. The notified chemical is intended to be used in the production of polypropylene products such as automotive parts for the interior/exterior of motor vehicles and components of electrical appliances. Up to seven tonnes of the notified chemical will be imported per annum for each of the first five years.

ASSESSMENT OF PUBLIC, OCCUPATIONAL HEALTH AND SAFETY AND ENVIRONMENTAL EFFECTS

Hazard Assessment

Based on the available data the notified chemical is not classified as hazardous under the NOHSC *Approved Criteria for Classifying Hazardous Substances*.

Occupational Health and Safety

There is Low Concern to occupational health and safety under the conditions of the occupational settings described

Public Health

There is Negligible Concern to public health when used in plastic products.

Environmental Effects

The chemical is not considered to pose a risk to the environment based on its reported use pattern.

RECOMMENDATIONS

Control Measures

Occupational Health and Safety

- Employers should implement the following engineering controls to minimise occupational exposure to the notified chemical as introduced:
 - Local exhaust ventilation
- Employers should implement the following safe work practices to minimise both explosion hazard and occupational exposure during handling of the notified chemical as introduced:
 - Avoid generating and inhaling dusts
- Employers should ensure that the following personal protective equipment is used by workers to minimise occupational exposure to the notified chemical as introduced, including during cleaning of the dust filter bags:

- Half-face respirator
- Safety glasses
- Head covering
- Gloves
- Overalls

Guidance in selection of personal protective equipment can be obtained from Australian, Australian/New Zealand or other approved standards.

- A copy of the MSDS should be easily accessible to employees.
- If products and mixtures containing the notified chemical are classified as hazardous to health in accordance with the NOHSC *Approved Criteria for Classifying Hazardous Substances*, workplace practices and control procedures consistent with provisions of State and Territory hazardous substances legislation must be in operation.

Environment

- The following control measures should be implemented by pellet producers and end product manufacturers to minimise environmental exposure during use of the notified chemical:
 - Ensure all process and storage area are bunded and have only process drains present.

Disposal

- The notified chemical should be disposed of by landfill or incineration.

Emergency procedures

Spills/accidental release of the notified chemical should be handled by containment, then vacuuming and then placing the spilt material in labelled, sealable containers ready for disposal.

Secondary Notification

The Director of Chemicals Notification and Assessment must be notified in writing within 28 days by the notifier, other importer or manufacturer:

Under Section 64(1) of the Act; if

- The function of the chemical changes, or is likely to change, significantly.
- Further information becomes available on the aspiration hazard of the notified chemical.
- A new repeat dose/subchronic toxicology study on the notified chemical becomes available

or

Under Section 64(2) of the Act:

- if any of the circumstances listed in the subsection arise.

The Director will then decide whether secondary notification is required.

5 PUBLICATION SUMMARY REPORT

Compound in Primid SF-4510 Summary Report Reference No: STD/1171

TCL Australia Pty. Ltd. (Trading as TCL Hofmann) (ABN 39 091 773 330) of 150 Woodlands Drive, Braeside Victoria 3195 has submitted a standard notification statement in support of their application for an assessment certificate for Compound in Primid SF-4510. The notified chemical is intended to be used as a cross-linking reagent in industrial spray-powder coating systems. Typical end-use applications include finished industrial and domestic metal wares such as architectural components as facades, window frames, doors, car parts, outdoor furniture and garden fences. Up to 30 tonnes of the notified chemical will be imported per annum for each of the first five years.

ASSESSMENT OF PUBLIC, OCCUPATIONAL HEALTH AND SAFETY AND ENVIRONMENTAL EFFECTS

Hazard Assessment

Based on the available data the notified chemical is not classified as hazardous under the NOHSC *Approved Criteria for Classifying Hazardous Substances*.

Occupational Health and Safety

There is Low Concern to occupational health and safety under the conditions of the occupational settings described.

Public Health

There is Negligible Concern to public health when used under the public settings described.

Environmental Effects

The chemical is not considered to pose a risk to the environment based on its reported use pattern.

RECOMMENDATIONS

Control Measures

Occupational Health and Safety

- A copy of the MSDS should be easily accessible to employees.
- If products and mixtures containing the notified chemical are classified as hazardous to health in accordance with the NOHSC *Approved Criteria for Classifying Hazardous Substances*, workplace practices and control procedures consistent with provisions of State and Territory hazardous substances legislation must be in operation.

Disposal

- The notified chemical should be disposed of by incineration or to secure landfill.

Emergency procedures

- Spills/release of the notified chemical should be handled by physical containment, collection and subsequent safe disposal.

Secondary Notification

The Director of Chemicals Notification and Assessment must be notified in writing within 28 days by the notifier, other importer or manufacturer:

Under Section 64(2) of the Act:

- if any of the circumstances listed in the subsection arise.

The Director will then decide whether secondary notification is required.

No additional secondary notification conditions are stipulated.

6 PUBLICATION SUMMARY REPORT

**Tinuvin ® 479
Summary Report
Reference No: STD/1175**

Ciba Specialty Chemicals Pty Ltd (ABN 97 005 061 469) of 235 Settlement Road Thomastown VIC 3074 has submitted a standard notification statement in support of their application for an assessment certificate for TINUVIN®479. The notified chemical is intended to be used in surface coatings for automotive use only. Coating formulation and application will occur in Australia. Up to 10 tonnes of the notified chemical will be imported per annum for each of the first five years.

ASSESSMENT OF PUBLIC, OCCUPATIONAL HEALTH AND SAFETY AND ENVIRONMENTAL EFFECTS

Hazard Assessment

Based on the available data the notified chemical is not classified as hazardous under the NOHSC *Approved Criteria for Classifying Hazardous Substances*.

Occupational Health and Safety

There is Low Concern to occupational health and safety under the conditions of the occupational settings described.

Public Health

There is Negligible Concern to public health when used in the proposed manner.

Environmental Effects

The chemical is not considered to pose a risk to the environment based on its reported use pattern.

RECOMMENDATIONS

Control Measures

Occupational Health and Safety

- Employers should implement the following engineering controls to minimise occupational exposure to the notified chemical as introduced:
 - Weighing and transfer of the notified chemical should be carried out under local exhaust ventilation.
- Employers should implement the following engineering controls to minimise occupational exposure to the notified chemical in the coating formulation:
 - Spray application should be carried out in a spray booth
- Employers should implement the following safe work practices to minimise occupational exposure during handling of the notified chemical as introduced:
 - Avoid prolonged skin contact and eye contact.

- Employers should ensure that the following personal protective equipment is used by workers to minimise occupational exposure to the notified chemical as introduced:
 - Eye protection

Guidance in selection of personal protective equipment can be obtained from Australian, Australian/New Zealand or other approved standards.

- Employers should ensure that the following personal protective equipment is used by workers to minimise occupational exposure to the notified chemical in the coating formulation:
 - Suitable respirators during manual spray application

Guidance in selection of personal protective equipment can be obtained from Australian, Australian/New Zealand or other approved standards.

- A copy of the MSDS should be easily accessible to employees.
- If products and mixtures containing the notified chemical are classified as hazardous to health in accordance with the NOHSC *Approved Criteria for Classifying Hazardous Substances*, workplace practices and control procedures consistent with provisions of State and Territory hazardous substances legislation must be in operation.

Disposal

- The notified chemical should be collected by licensed waste contractors to be incinerated or disposed of in approved landfills as inert solid waste.

Emergency procedures

- Spills or accidental release of the notified chemical should be handled as described in the MSDS, collect up and place into market containers for disposal as chemical waste. Disposal of waste adsorbent or other wastes created in emergency is the same as for general waste management, that is, incineration or disposal to controlled landfill following negotiation with the relevant authority.

Secondary Notification

The Director of Chemicals Notification and Assessment must be notified in writing within 28 days by the notifier, other importer or manufacturer:

Under Section 64(2) of the Act:

- if any of the circumstances listed in the subsection arise.

The Director will then decide whether secondary notification is required.

No additional secondary notification conditions are stipulated.

7 PUBLICATION SUMMARY REPORT

NT-24 Summary Report Reference No: STD/1178

Canon Australia Pty Ltd (ABN 66 005 002 951) of 1 Thomas Holt Drive North Ryde NSW 2113 has submitted a standard notification statement in support of their application for an assessment certificate for NT-24. The notified chemical is intended to be used as an ingredient of toners for electrophotographic copiers or printers, for home or office use. Cartridges or bottles of toner in powder form, containing < 2% of the notified chemical, will be used in printing and photocopying machines in offices and homes. The containers of toner will remain sealed until they are inserted in the machines. One to three tonnes of the notified chemical will be imported per annum for each of the first five years.

ASSESSMENT OF PUBLIC, OCCUPATIONAL HEALTH AND SAFETY AND ENVIRONMENTAL EFFECTS

Hazard Assessment

Based on a full suite of tests for a standard notification the notified chemical is not classified as hazardous under the NOHSC *Approved Criteria for Classifying Hazardous Substances*.

Occupational Health and Safety

There is Low Concern to occupational health and safety under the conditions of the occupational settings described.

Public Health

There is Negligible Concern to public health when used as described.

Environmental Effects

On the basis of the PEC/PNEC ratio of < 0.1, the chemical is not considered to pose a risk to the environment based on its reported use pattern.

RECOMMENDATIONS

Control Measures

Occupational Health and Safety

No special precautions are required for the notified chemical when used in a toner in pre-packed bottles or cartridges for electrophotocopying machines or electrophotographic printers. However, in the interests of good occupational health and safety, the following guidelines and precautions should be observed for use of toners containing the notified chemical:

- Avoid contact with skin and eyes.
- Avoid breathing dust

- Avoid generation of dust. Photocopiers and printers should be located in ventilated areas. The NOHSC Exposure Standard of 10 mg/m³ TWA should be maintained in the workplace.
- Service personnel should wear cotton or disposable gloves when replenishing toner and servicing copying machines and printers.

Guidance in selection of personal protective equipment can be obtained from Australian, Australian/New Zealand or other approved standards.

- A copy of the MSDS should be easily accessible to employees.

Disposal

- The notified chemical should be disposed of by incineration or to landfill

Emergency procedures

- Spills/release of the notified chemical should be swept up, placed in a bag, and held for waste disposal.

Secondary Notification

The Director of Chemicals Notification and Assessment must be notified in writing within 28 days by the notifier, other importer or manufacturer:

Under Section 64(2) of the Act:

- if any of the circumstances listed in the subsection arise.

The Director will then decide whether secondary notification is required.

No additional secondary notification conditions are stipulated.

8 PUBLICATION SUMMARY REPORT

C-FG-P Summary Report Reference No: STD/1182

Canon Australia Pty Ltd (ABN 66 005 002 951) of 1 Thomas Holt Drive, North Ryde, NSW, has submitted a standard notification statement in support of their application for an assessment certificate for C-FG-P. The notified chemical is intended to be used as a dyestuff in inkjet printer inks, nationwide. Up to 1 tonne of the notified chemical will be imported per annum for each of the first five years.

ASSESSMENT OF PUBLIC, OCCUPATIONAL HEALTH AND SAFETY AND ENVIRONMENTAL EFFECTS

Hazard Assessment

Based on the available data the notified chemical is not classified as hazardous under the NOHSC *Approved Criteria for Classifying Hazardous Substances*.

Occupational Health and Safety

There is Low Concern to occupational health and safety under the conditions of the occupational settings described.

Public Health

There is No Significant Concern to public health when the notified chemical is used as a component of pre-packed inkjet printer inks.

Environmental Effects

On the basis of the PEC/PNEC ratio the chemical is not considered to pose a risk to the environment based on its reported use pattern.

RECOMMENDATIONS

Control Measures

Occupational Health and Safety

- Service personnel should wear cotton or disposable gloves and ensure adequate ventilation is present when removing spent printer cartridges containing the notified chemical and during routine maintenance and repairs.
- A copy of the MSDS should be easily accessible to employees.
- If products and mixtures containing the notified chemical are classified as hazardous to health in accordance with the NOHSC *Approved Criteria for Classifying Hazardous Substances*, workplace practices and control procedures consistent with provisions of State and Territory hazardous substances legislation must be in operation.

Disposal

- The notified chemical should be disposed of by incineration or to landfill in accordance with State/Territory waste disposal regulations. Paper products impregnated with ink containing the notified chemical may be incinerated, recycled or landfilled.

Emergency procedures

- Spills/release of the notified chemical should be handled by soaking up spilled ink with absorbent material.

Secondary Notification

The Director of Chemicals Notification and Assessment must be notified in writing within 28 days by the notifier, other importer or manufacturer:

Under Section 64(2) of the Act:

- if any of the circumstances listed in the subsection arise.

The Director will then decide whether secondary notification is required.

No additional secondary notification conditions are stipulated.

9 PUBLICATION SUMMARY REPORT

**1H-Imidazolium, 2-[(4-aminophenyl)azo]-1,3-dimethyl-, chloride
(Basic Orange 31)
Summary Report
Reference No: LTD/1204**

Ciba Specialty Chemicals Pty Ltd (ABN 97 005 061 469) of 232 Settlement Rd, Thomastown, VIC, 3074, KPSS Australia Pty Ltd (ABN 67 003 296 366) of 1A The Crescent, Kingsgrove, NSW, 2208 and Henkel Australia Pty Ltd (ABN 82 001 302 996) of 20 Rodborough Road, Frenchs Forest, NSW, 2086 have submitted a limited notification statement in support of their application for an assessment certificate for 1H-Imidazolium, 2-[(4-aminophenyl)azo]-1,3-dimethyl-, chloride (Basic Orange 31). The notified chemical will be used in both oxidative and non-oxidative hair dyes. The hair dyes will be used in hair salons and in the consumer market. Hair dye preparations may be imported in consumer packaging or in bulk and may in future be manufactured in Australia. Less than 0.3 tonnes of the notified chemical will be imported per annum for each of the first five years.

ASSESSMENT OF PUBLIC, OCCUPATIONAL HEALTH AND SAFETY AND ENVIRONMENTAL EFFECTS

Hazard Assessment

Based on the available data the notified chemical is classified as hazardous under the NOHSC *Approved Criteria for Classifying Hazardous Substances*. The classification and labelling details are:

R22 Harmful if swallowed
R41 Risk of serious damage to eyes
R43 May cause sensitisation by skin contact

Occupational Health and Safety

There is Moderate Concern to occupational health and safety when handling the neat notified chemical due to the risk of sensitisation.

Public Health

There is No Significant Concern to public health when used in the proposed manner and provided the hair dye formulations are adequately labelled to indicate sensitisation potential.

Environmental Effects

On the basis of the PEC/PNEC ratio and based on its reported use pattern, the notified chemical is not considered to pose an unacceptable risk to the environment.

RECOMMENDATIONS

Regulatory Controls

Hazard Classification and Labelling

- The ASCC Chemicals Standards Sub-committee should consider the following health hazard classification for the notified chemical:
 - R22 Harmful if swallowed
 - R41 Risk of serious damage to eyes
 - R43 May cause sensitisation by skin contact
 - S24/25 Avoid contact with skin and eyes
 - S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
 - S37 Wear suitable gloves
 - S39 Wear eye/face protection
- Use the following risk phrases for products/mixtures containing the notified chemical:
 - Conc \geq 25%: R22; R41; R43
 - 10% \leq Conc < 25%: R41; R43
 - 5% \leq Conc < 10%: R36; R43
 - 1% \leq Conc < 5%: R43
- The National Drugs and Poisons Standing Committee (NDPSC) should consider the notified chemical for listing on the SUSDP.
- Products containing the notified chemical and available to the public must carry the safety directions consistent with the following on the label:
 - WARNING: This product contains ingredients which may cause skin irritation to certain individuals. A preliminary test according to the accompanying directions should be made before use. This product must not be used for dyeing eyelashes or eyebrows; to do so may be injurious to the eye.
 - If in eyes wash out immediately with water.
 - Keep out of reach of children.

Health Surveillance

- As the potential for skin sensitisation exists, the notifier's MSDS should be provided to the authorised medical practitioner responsible for health surveillance in the hair dye manufacture facility. Employers should carry out health surveillance for any worker who has been identified in the workplace risk assessment as having a significant risk of adverse health effects. Sensitised persons should be transferred to another workplace.

Control Measures

Occupational Health and Safety

- Employers should implement the following engineering controls to minimise occupational exposure to the notified chemical and during hair dye manufacture:

- Local Exhaust ventilation should be implemented where there is a likelihood of exposure to dust.
- Employers should implement the following safe work practices to minimise occupational exposure during handling of the notified chemical during hair dye manufacture:
 - Minimise dust generation.
 - Do not breathe dust.
 - Avoid contact with skin and eyes.
- Employers should implement the following safe work practices to minimise occupational exposure during handling of the notified chemical in the hair dye formulation:
 - Avoid contact with skin and eyes.
- Employers should ensure that the following personal protective equipment is used by workers to minimise occupational exposure to the notified chemical during hair dye manufacture:
 - Protective eyewear, chemical resistant industrial clothing, impermeable gloves and respiratory protection (if required).
- Employers should ensure that the following personal protective equipment is used by workers (including salon workers) to minimise occupational exposure to the notified chemical in the hair dye formulations:
 - impermeable gloves.

Guidance in selection of personal protective equipment can be obtained from Australian, Australian/New Zealand or other approved standards.

- A copy of the MSDS should be easily accessible to employees.
- If products and mixtures containing the notified chemical are classified as hazardous to health in accordance with the NOHSC *Approved Criteria for Classifying Hazardous Substances*, workplace practices and control procedures consistent with provisions of State and Territory hazardous substances legislation must be in operation.

Public Health

- The following measures should be taken by the notifiers to minimise public exposure to the notified chemical:
 - Gloves should be supplied with hair dyes containing the notified chemical intended for sale to the public.

Environment

- Avoid release of concentrated notified chemical to the aquatic environment.

Disposal

- The notified chemical should be disposed of by thermal decomposition in incinerators or to secure landfill.

Emergency procedures

- Spills/release of the notified chemical should be handled by physical containment, collection and subsequent safe disposal.

Secondary Notification

The Director of Chemicals Notification and Assessment must be notified in writing within 28 days by the notifier, other importer or manufacturer:

Under Section 64(1) of the Act; if

- the importation volume exceeds one tonne per annum notified chemical; or
- any additional information for the notified chemical generated as a result of the SCCNFP data requirements becomes available; or
- An updated SCCNFP opinion concerning the notified chemical becomes available or there is any change in status of the notified chemical in the EU Cosmetic Directive; or
- the notified chemical is included in hair dye preparations at a concentration of > 0.5% or is intended to be applied at a concentration of > 0.2% (as mixed);

or

Under Section 64(2) of the Act:

- if any of the circumstances listed in the subsection arise.

The Director will then decide whether secondary notification is required.

10 PUBLICATION SUMMARY REPORT

**Silsoft 034
Summary Report
Reference No: LTD/1211**

GE Toshiba Silicones Australia Pty Ltd (ABN 471 256 1063) of 175 Hammond Road Dandenong VIC 3175 and Unilever Australia Pty Ltd (ABN 66 004 050 828) of 219 North Rocks Road, North Rocks, NSW 1251 have submitted a limited notification statement in support of their application for an assessment certificate for Silsoft 034. The notified chemical is intended to be used as a component of skin conditioning cosmetic product (the notified chemical is present at up to 6%). It adds lubricity and spreadability to cosmetic creams and lotion products. Up to 0.48 tonnes of the notified chemical will be imported per annum for each of the first five years.

ASSESSMENT OF PUBLIC, OCCUPATIONAL HEALTH AND SAFETY AND ENVIRONMENTAL EFFECTS**Hazard Assessment**

Based on the available data the notified chemical is not classified as hazardous under the NOHSC *Approved Criteria for Classifying Hazardous Substances*.

Occupational Health and Safety

There is Low Concern to occupational health and safety under the conditions of the occupational settings described.

Public Health

There is No Significant Concern to public health when the notified chemical is used as a component of skin creams.

Environmental Effects

On the basis of the PEC/PNEC ratio the chemical is not considered to pose a risk to the environment based on its reported use pattern.

RECOMMENDATIONS*Control Measures***Occupational Health and Safety**

Guidance in selection of personal protective equipment can be obtained from Australian, Australian/New Zealand or other approved standards.

- A copy of the MSDS should be easily accessible to employees.
- If products and mixtures containing the notified chemical are classified as hazardous to health in accordance with the NOHSC *Approved Criteria for Classifying Hazardous Substances*, workplace practices and control procedures consistent with

provisions of State and Territory hazardous substances legislation must be in operation.

Disposal

The notified chemical should be disposed of to landfill in accordance with State/Territory waste disposal regulations.

Emergency procedures

Spills/accidental release of the notified chemical should be contained with an absorbent, inert material (soil, sand, sawdust, vermiculite) and collected in sealable, labelled containers for disposal.

Secondary Notification

The Director of Chemicals Notification and Assessment must be notified in writing within 28 days by the notifier, other importer or manufacturer:

Under Section 64(2) of the Act:

- if any of the circumstances listed in the subsection arise.

The Director will then decide whether secondary notification is required.

No additional secondary notification conditions are stipulated.

11 PUBLICATION SUMMARY REPORT

Polymer in Z-60 Summary Report Reference No: LTD/1234

Lubrizol International, Inc. (ABN: 002 747 944) of 28 River Street, Silverwater NSW 2128 has submitted a limited notification statement in support of their application for an assessment certificate for Polymer in Z-60. The notified polymer is intended to be used as an additive for diesel lubricants. Up to 300 tonnes of the notified polymer will be imported per annum for each of the first five years.

ASSESSMENT OF PUBLIC, OCCUPATIONAL HEALTH AND SAFETY AND ENVIRONMENTAL EFFECTS

Hazard Assessment

No toxicological data have been provided for the notified chemical and therefore the substance cannot be classified in accordance with the NOHSC Approved Criteria for Classifying Hazardous Substances. However, based on the information supplied on classification of similar chemicals, the following classification and labelling details should apply:

R38 Irritating to skin

Occupational Health and Safety

There is Low Concern to occupational health and safety under the conditions of the occupational settings described.

Public Health

There is No Significant Concern to public health when used at low concentration as an ingredient of diesel lubricants.

Environmental Effects

The chemical is not considered to pose a risk to the environment based on its reported use pattern.

RECOMMENDATIONS

Regulatory Controls

Hazard Classification and Labelling

- Use the following risk phrases for products/mixtures containing the notified chemical:
 - Conc \geq 20%: R38

Control Measures

Occupational Health and Safety

- Employers should implement the following isolation and engineering controls to minimise occupational exposure to the notified chemical as introduced:
 - Where possible, automated processes should be used to reduce worker contact
 - Use closed systems for reformulation
- Employers should implement the following safe work practices to minimise occupational exposure during handling of the notified chemical as introduced and as diluted for use in diesel lubricant:
 - Minimise spills and drips during transfer operations
 - Clean up any spillages promptly
- Employers should ensure that the following personal protective equipment is used by workers to minimise occupational exposure to the notified chemical as introduced and as diluted for use in diesel lubricant:
 - Chemical resistant gloves
 - Protective clothing
 - Safety glasses or goggles

Guidance in selection of personal protective equipment can be obtained from Australian, Australian/New Zealand or other approved standards.

- A copy of the MSDS should be easily accessible to employees.
- If products and mixtures containing the notified chemical are classified as hazardous to health in accordance with the NOHSC *Approved Criteria for Classifying Hazardous Substances*, workplace practices and control procedures consistent with provisions of State and Territory hazardous substances legislation must be in operation.

Disposal

- The notified chemical should be disposed of by combustion or to secure landfill.

Emergency procedures

Spills of the notified chemical should be handled by physical containment, collection and disposal by incineration

Secondary Notification

The Director of Chemicals Notification and Assessment must be notified in writing within 28 days by the notifier, other importer or manufacturer:

Under Section 64(2) of the Act:

- if any of the circumstances listed in the subsection arise.

The Director will then decide whether secondary notification is required.

No additional secondary notification conditions are stipulated.

12 PUBLICATION SUMMARY REPORT

Glycine, N-(1-oxooctyl)- Summary Report Reference No: EX/78

Johnson & Johnson Pacific Pty Ltd (ABN 73 001 121 446) of Level 3, 1 Bay Street Broadway NSW 2007 has submitted a limited notification statement in support of their application for an assessment certificate for Glycine, N-(1-oxooctyl)-. The notified chemical is intended to be used as component of facial gels. Two hundred and fifty kilograms of the notified polymer will be imported per annum in the first five years.

Since the assessment certificate was granted for the above notified chemical, Bronson and Jacobs Pty Ltd (ABN: 81 000 063 249) of Australia Centre 5 Parkview Dr Olympic Park NSW 2127 has submitted a supplementary information statement in support of their application for extension of the original assessment certificate (No. 1781, LTD/1124), together with a written agreement of the holder of the original certificate. The notified chemical will be formulated into personal care products and will be imported at 0.5 tonnes per annum.

ASSESSMENT OF PUBLIC, OCCUPATIONAL HEALTH AND SAFETY AND ENVIRONMENTAL EFFECTS

Hazard Assessment

Based on the available data there is insufficient information to classify the notified chemical as a hazardous substance according to the NOHSC *Approved Criteria for Classifying Hazardous Substances*.

As a comparison only, the classification of notified chemical using the Globally Harmonised System for the Classification and Labelling of Chemicals (GHS) is presented below. This system is not mandated in Australia and carries no legal status but is presented for information purposes.

There are insufficient measured data to classify the notified chemical in accordance with GHS classification. However, based on the evidence available for environmental assessment, the notified chemical could tentatively be classified as Acute III with the corresponding Hazard Statement "Toxic to aquatic life." No chronic classification is necessary due to the predicted biodegradation and low $\log P_{ow}$.

Occupational Health and Safety

There is Low Concern to occupational health and safety under the conditions of the occupational settings described.

Public Health

There is No Significant Concern to public health when used as a component personal care products.

Environmental Effects

On the basis of the PEC/PNEC ratio:

The chemical is not considered to pose a risk to the environment based on its reported use pattern.

RECOMMENDATIONS

Control Measures

Occupational Health and Safety

- No specific engineering controls, work practices or personal protective equipment are required for the safe use of the notified chemical itself, however, these should be selected on the basis of all ingredients in the formulation.

Guidance in selection of personal protective equipment can be obtained from Australian, Australian/New Zealand or other approved standards.

- A copy of the MSDS should be easily accessible to employees.
- If products and mixtures containing the notified chemical are classified as hazardous to health in accordance with the NOHSC *Approved Criteria for Classifying Hazardous Substances*, workplace practices and control procedures consistent with provisions of State and Territory hazardous substances legislation must be in operation.

Environment

Disposal

- Packaging containing residues of the end use products should be disposed of to landfill with household waste.

Emergency procedures

- Spills/release of the notified chemical should be swept up and placed in suitable receptacles for recovery or disposal.

Secondary Notification

The Director of Chemicals Notification and Assessment must be notified in writing within 28 days by the notifier, other importer or manufacturer:

Under Section 64(1) of the Act; if

- the importation volume exceeds one tonne per annum notified chemical, a full suite of toxicity and ecotoxicity data including a biodegradation study should be provided.

or

Under Section 64(2) of the Act:

- if any of the circumstances listed in the subsection arise.

The Director will then decide whether secondary notification is required

13 PUBLICATION SUMMARY REPORT

**Chemical A in OLOA 289M
Summary Report
Reference No: EX/79**

Oronite Australia, (ABN 16 101 548 716) of Level 8, 520 Collins Street Melbourne, VIC 3000 has submitted a standard notification statement in support of their application for an assessment certificate for Chemical A in OLOA 289M. The notified chemical is intended to be used as a component of an oil additive package. Less than ten tonnes of the notified chemical will be imported per annum for each of the first five years.

Since the granting of the above-mentioned assessment certificate, Caltex Australia Limited, (ABN: 17 000 032 128) of 3 Level 12, MLC Centre, 19 Martin Place Sydney, NSW, 2000 has submitted a notification statement in support of their application for an extension of the original assessment certificate for Chemical A in OLOA 289M. The use pattern and import volumes detailed above will remain the same.

ASSESSMENT OF PUBLIC, OCCUPATIONAL HEALTH AND SAFETY AND ENVIRONMENTAL EFFECTS**Hazard Assessment**

The toxicological studies provided in this notification were undertaken using finished product containing the notified chemical. The studies indicate that the product has low acute oral and dermal toxicity, it is not a skin sensitiser, and is not genotoxic nor mutagenic. The product containing the notified chemical is a skin irritant and slightly irritating to the eyes.

The NOEL for the product containing the notified chemical established in a range finding 5 day repeated dose study in rats was 100 mg/kg bw/day, based on presence of clinical effects, effects on body weight, food consumption, gross organ pathology, organ weight and hyperplasia of the squamous epithelium of the forestomach at higher doses.

The product containing the notified chemical is classified as a hazardous substance. Based on the reversible severe erythema and oedema observed the product containing the notified chemical can be classified as skin irritant (R38 - Irritating to skin).

Occupational Health and Safety

There is Low Concern to occupational health and safety under the conditions of the occupational settings described.

Public Health

There is Negligible Concern to public health when used as described in the notification.

Environmental Effects

On the basis of the reported use pattern, aquatic PEC/PNEC ratios and ecotoxicity data, the formulation containing the notified chemical is not considered to pose an unacceptable risk to the environment.

RECOMMENDATIONS

Regulatory Controls

Hazard Classification and Labelling

- The NOHSC Chemicals Standards Sub-committee should consider the following health hazard classification for the product containing the notified chemical:
 - R38-Irritating to skin
 - S37/38/39-Wear suitable protective clothing, gloves, and eye/face protection.

Control Measures

Occupational Health and Safety

- Employers should implement the following safe work practices to minimise occupational exposure during handling of the notified chemical as introduced and the formulated product:
 - Minimise spills and drips
- Employers should ensure that the following personal protective equipment is used by workers to minimise occupational exposure to the notified chemical as introduced:
 - Chemical resistant gloves
 - Protective clothing
 - Safety goggles

Guidance in selection of personal protective equipment can be obtained from Australian, Australian/New Zealand or other approved standards.

- A copy of the MSDS should be easily accessible to employees.
- If products and mixtures containing the notified chemical are classified as hazardous to health in accordance with the NOHSC *Approved Criteria for Classifying Hazardous Substances*, workplace practices and control procedures consistent with provisions of State and Territory hazardous substances legislation must be in operation.

Environment

Disposal

- The notified chemical will be a component of waste oil generated from professional operations. It should be disposed of by recycling as waste oil or incinerated in accordance with approved State or Territory waste management regulations. Emptied containers (1-4 L) should be sent to landfill for disposal. Emptied drums should be reconditioned by steam cleaning prior to re-use, with wastewater treated and the oily concentrate either recycled or incinerated

Emergency procedures

- Spills/release of the notified chemical should be handled in accordance with procedures described in the Material Safety Data Sheet. Report spills to local authorities as appropriate or required. Spills of heated oil containing the notified chemical should be allowed to cool before proceeding with cleanup methods. Stop source of spill. Contain spill to prevent further contamination of soil, surface water or groundwater. Clean up spill as soon as possible by applying non-combustible, absorbent materials or by pumping to recovery tanks. Remove contaminated soil. Place contaminated materials in disposable containers and dispose of in accordance with State or Territory waste disposal regulations.

Secondary Notification

The Director of Chemicals Notification and Assessment must be notified in writing within 28 days by the notifier, other importer or manufacturer:

Under Section 64(1) of the Act; if

- If any proposed uses lead to a more significant release to water.

or

Under Section 64(2) of the Act:

- if any of the circumstances listed in the subsection arise.

The Director will then decide whether secondary notification is required.

14 PUBLICATION SUMMARY REPORT

Chemical B in OLOA 289M Summary Report Reference No: EX/80

Oronite Australia, (ABN 16 101 548 716) of Level 8, 520 Collins Street Melbourne, VIC 3000 has submitted a standard notification statement in support of their application for an assessment certificate for Chemical B in OLOA 289M. The notified chemical is intended to be used as a component of an oil additive package. Less than ten tonnes of the notified chemical will be imported per annum for each of the first five years.

Since the granting of the above-mentioned assessment certificate, Caltex Australia Limited, (ABN: 17 000 032 128) of 3 Level 12, MLC Centre, 19 Martin Place Sydney, NSW, 2000 has submitted a notification statement in support of their application for an extension of the original assessment certificate for Chemical B in OLOA 289M. The use pattern and import volumes detailed above will remain the same.

ASSESSMENT OF PUBLIC, OCCUPATIONAL HEALTH AND SAFETY AND ENVIRONMENTAL EFFECTS

Hazard Assessment

The toxicological studies provided in this notification were undertaken using finished product containing the notified chemical. The studies indicate that the product has low acute oral and dermal toxicity, it is not a skin sensitiser, and is not genotoxic nor mutagenic. The product containing the notified chemical is a skin irritant and slightly irritating to the eyes.

The NOEL for the product containing the notified chemical established in a range finding 5 day repeated dose study in rats was 100 mg/kg bw/day, based on presence of clinical effects, effects on body weight, food consumption, gross organ pathology, organ weight and hyperplasia of the squamous epithelium of the forestomach at higher doses.

The product containing the notified chemical is classified as a hazardous substance. Based on the reversible severe erythema and oedema observed the product containing the notified chemical can be classified as skin irritant (R38 - Irritating to skin).

Occupational Health and Safety

There is Low Concern to occupational health and safety under the conditions of the occupational settings described.

Public Health

There is Negligible Concern to public health when used as described in the notification.

Environmental Effects

On the basis of the reported use pattern, aquatic PEC/PNEC ratios and ecotoxicity data, the formulation containing the notified chemical is not considered to pose an unacceptable risk to the environment.

RECOMMENDATIONS

Regulatory Controls

Hazard Classification and Labelling

- The NOHSC Chemicals Standards Sub-committee should consider the following health hazard classification for the product containing the notified chemical:
 - R38-Irritating to skin
 - S37/38/39-Wear suitable protective clothing, gloves, and eye/face protection.

Control Measures

Occupational Health and Safety

- Employers should implement the following safe work practices to minimise occupational exposure during handling of the notified chemical as introduced and the formulated product:
 - Minimise spills and drips
- Employers should ensure that the following personal protective equipment is used by workers to minimise occupational exposure to the notified chemical as introduced:
 - Chemical resistant gloves
 - Protective clothing
 - Safety goggles

Guidance in selection of personal protective equipment can be obtained from Australian, Australian/New Zealand or other approved standards.

- A copy of the MSDS should be easily accessible to employees.
- If products and mixtures containing the notified chemical are classified as hazardous to health in accordance with the NOHSC *Approved Criteria for Classifying Hazardous Substances*, workplace practices and control procedures consistent with provisions of State and Territory hazardous substances legislation must be in operation.

Environment

Disposal

- The notified chemical will be a component of waste oil generated from professional operations. It should be disposed of by recycling as waste oil or incinerated in accordance with approved State or Territory waste management regulations. Emptied containers (1-4 L) should be sent to landfill for disposal. Emptied drums should be reconditioned by steam cleaning prior to re-use, with wastewater treated and the oily concentrate either recycled or incinerated.

Emergency procedures

- Spills/release of the notified chemical should be handled in accordance with procedures described in the Material Safety Data Sheet. Report spills to local

authorities as appropriate or required. Spills of heated oil containing the notified chemical should be allowed to cool before proceeding with cleanup methods. Stop source of spill. Contain spill to prevent further contamination of soil, surface water or groundwater. Clean up spill as soon as possible by applying non-combustible, absorbent materials or by pumping to recovery tanks. Remove contaminated soil. Place contaminated materials in disposable containers and dispose of in accordance with State or Territory waste disposal regulations.

Secondary Notification

The Director of Chemicals Notification and Assessment must be notified in writing within 28 days by the notifier, other importer or manufacturer:

Under Section 64(1) of the Act; if

- If any proposed uses lead to a more significant release to water.

or

Under Section 64(2) of the Act:

- if any of the circumstances listed in the subsection arise.

The Director will then decide whether secondary notification is required.

15 PUBLICATION SUMMARY REPORT

**Chemical C in OLOA 289M
Summary Report
Reference No: EX/81**

Oronite Australia, (ABN 16 101 548 716) of Level 8, 520 Collins Street Melbourne, VIC 3000 has submitted a standard notification statement in support of their application for an assessment certificate for Chemical C in OLOA 289M. The notified chemical is intended to be used as a component of an oil additive package. Less than ten tonnes of the notified chemical will be imported per annum for each of the first five years.

Since the granting of the above-mentioned assessment certificate, Caltex Australia Limited, (ABN: 17 000 032 128) of 3 Level 12, MLC Centre, 19 Martin Place Sydney, NSW, 2000 has submitted a notification statement in support of their application for an extension of the original assessment certificate for Chemical C in OLOA 289M. The use pattern and import volumes detailed above will remain the same.

ASSESSMENT OF PUBLIC, OCCUPATIONAL HEALTH AND SAFETY AND ENVIRONMENTAL EFFECTS**Hazard Assessment**

The toxicological studies provided in this notification were undertaken using finished product containing the notified chemical. The studies indicate that the product has low acute oral and dermal toxicity, it is not a skin sensitiser, and is not genotoxic nor mutagenic. The product containing the notified chemical is a skin irritant and slightly irritating to the eyes.

The NOEL for the product containing the notified chemical established in a range finding 5 day repeated dose study in rats was 100 mg/kg bw/day, based on presence of clinical effects, effects on body weight, food consumption, gross organ pathology, organ weight and hyperplasia of the squamous epithelium of the forestomach at higher doses.

The product containing the notified chemical is classified as a hazardous substance. Based on the reversible severe erythema and oedema observed the product containing the notified chemical can be classified as skin irritant (R38 - Irritating to skin).

Occupational Health and Safety

There is Low Concern to occupational health and safety under the conditions of the occupational settings described.

Public Health

There is Negligible Concern to public health when used as described in the notification.

Environmental Effects

On the basis of the reported use pattern, aquatic PEC/PNEC ratios and ecotoxicity data, the formulation containing the notified chemical is not considered to pose an unacceptable risk to the environment.

RECOMMENDATIONS

Regulatory Controls

Hazard Classification and Labelling

- The NOHSC Chemicals Standards Sub-committee should consider the following health hazard classification for the product containing the notified chemical:
 - R38-Irritating to skin
 - S37/38/39-Wear suitable protective clothing, gloves, and eye/face protection.

Control Measures

Occupational Health and Safety

- Employers should implement the following safe work practices to minimise occupational exposure during handling of the notified chemical as introduced and the formulated product:
 - Minimise spills and drips
- Employers should ensure that the following personal protective equipment is used by workers to minimise occupational exposure to the notified chemical as introduced:
 - Chemical resistant gloves
 - Protective clothing
 - Safety goggles

Guidance in selection of personal protective equipment can be obtained from Australian, Australian/New Zealand or other approved standards.

- A copy of the MSDS should be easily accessible to employees.
- If products and mixtures containing the notified chemical are classified as hazardous to health in accordance with the NOHSC *Approved Criteria for Classifying Hazardous Substances*, workplace practices and control procedures consistent with provisions of State and Territory hazardous substances legislation must be in operation.

Environment

Disposal

- The notified chemical will be a component of waste oil generated from professional operations. It should be disposed of by recycling as waste oil or incinerated in accordance with approved State or Territory waste management regulations. Emptied containers (1-4 L) should be sent to landfill for disposal. Emptied drums should be reconditioned by steam cleaning prior to re-use, with wastewater treated and the oily concentrate either recycled or incinerated.

Emergency procedures

- Spills/release of the notified chemical should be handled in accordance with procedures described in the Material Safety Data Sheet. Report spills to local

authorities as appropriate or required. Spills of heated oil containing the notified chemical should be allowed to cool before proceeding with cleanup methods. Stop source of spill. Contain spill to prevent further contamination of soil, surface water or groundwater. Clean up spill as soon as possible by applying non-combustible, absorbent materials or by pumping to recovery tanks. Remove contaminated soil. Place contaminated materials in disposable containers and dispose of in accordance with State or Territory waste disposal regulations.

Secondary Notification

The Director of Chemicals Notification and Assessment must be notified in writing within 28 days by the notifier, other importer or manufacturer:

Under Section 64(1) of the Act; if

- If any proposed uses lead to a more significant release to water.

or

Under Section 64(2) of the Act:

- if any of the circumstances listed in the subsection arise.

The Director will then decide whether secondary notification is required.

16 PUBLICATION SUMMARY REPORT

**DP2009
Summary Report
Reference No: EX/82**

DuPont (Australia) Ltd (ABN 59 000 716 469) of 168 Walker Street North Sydney NSW 2060 has submitted a standard notification statement in support of their application for an assessment certificate for DP2009. The notified chemical is intended to be used in powder coatings for metal surfaces. The coating products containing the notified chemical will be imported in 20 kg bags and distributed by road from the notifier's site to various coating industry Australia-wide. Greater than 10 tonnes of the notified chemical will be imported per annum for each of the first five years.

Since the assessment certificate was granted for the above notified chemical, OEM Nu Tech Pty Ltd (ABN 26 105 880 279) 29 Charles Street South Perth Western Australia 6151 has submitted a notification statement in support of their application for extension of the original assessment certificate (No. 1782, STD/1086), together with a written agreement of the holder of the original certificate.

Information submitted by OEM Nu Tech Pty Ltd pertains to the introduction of the notified polymer for use in powder-coating product.

ASSESSMENT OF PUBLIC, OCCUPATIONAL HEALTH AND SAFETY AND ENVIRONMENTAL EFFECTS**Hazard Assessment**

Based on the toxicological data provided, the notified chemical would not be classified as hazardous substance according to the NOHSC *Approved Criteria for Classifying Hazardous Substances*.

Occupational Health and Safety

There is Low Concern to occupational health and safety under the conditions of the occupational settings described.

Public Health

There is No Significant Concern to public health when used as a component of powder coatings.

Environmental Effects

The notified chemical is not considered to pose a risk to the environment based on its reported use pattern.

RECOMMENDATIONS

Control Measures

Occupational Health and Safety

- Employers should implement the following engineering controls to minimise occupational exposure to the notified chemical when used in powder coatings:
 - Local exhaust ventilation during spraying, filling of hoppers, reclaiming powder and clean-up.
 - Enclosed and automated spray application.
 - Spray painting booths and equipment should be in accordance with Australian Standard AS3754-1990, *Safe Application of Powder Coatings by Electrostatic Spraying*.
- Employers should implement the following safe work practices to minimise occupational exposure to the notified chemical when used in powder coatings:
 - Avoid generating dusts, when opening powder coating packages, loading hoppers, reclaiming powder and cleaning equipment.
 - Precautions must be taken to avoid sources of ignition, e.g. use of earthing leads.
 - NOHSC exposure standard for nuisance dust should not be exceeded in the workplace
- Employers should ensure that the following personal protective equipment is used by workers to minimise occupational exposure to the notified chemical when used in powder coatings:
 - anti-static overalls
 - non-insulating gloves
 - anti-static footwear
 - dust respirators or air fed respiratory equipment

Guidance in selection of personal protective equipment can be obtained from Australian, Australian/New Zealand or other approved standards.

- A copy of the MSDS should be easily accessible to employees.
- If products and mixtures containing the notified chemical are classified as hazardous to health in accordance with the NOHSC *Approved Criteria for Classifying Hazardous Substances*, workplace practices and control procedures consistent with provisions of State and Territory hazardous substances legislation must be in operation.

Disposal

- The notified chemical should be disposed of by controlled incineration in accordance with local and national regulations.

Storage

- Store and handle in accordance with recommendation in the MSDS.

Emergency procedures

Spills/release of the notified chemical should be contained and placed in suitable containers that must be tightly sealed and properly labelled for disposal. Use mechanical handling equipment. The notified chemical should not be flushed into surface waters, sanitary sewer or groundwater system.

Secondary Notification

The Director of Chemicals Notification and Assessment must be notified in writing within 28 days by the notifier, other importer or manufacturer:

Under Section 64(2) of the Act:

- if any of the circumstances listed in the subsection arise.

The Director will then decide whether secondary notification is required.

No additional secondary notification conditions are stipulated.

17 PUBLICATION SUMMARY REPORT

**DP7007
Summary Report
Reference No: EX/83**

DuPont (Australia) Ltd (ABN 59 000 716 469) of 168 Walker Street North Sydney NSW 2060 has submitted a limited notification statement in support of their application for an assessment certificate for DP7007. The notified polymer is intended to be used in speciality ultraviolet cured powder coatings for industrial products. Between 360-717 tonnes of the notified polymer will be imported per annum for each of the first five years.

Since the assessment certificate was granted for the above notified chemical, OEM Nu Tech Pty Ltd (ABN 26 105 880 279) 29 Charles Street South Perth Western Australia 6151 has submitted a notification statement in support of their application for extension of the original assessment certificate (No. 1786, LTD/1127), together with a written agreement of the holder of the original certificate.

Information submitted by OEM Nu Tech Pty Ltd pertains to the introduction of the notified polymer for use in powder-coating product.

ASSESSMENT OF PUBLIC, OCCUPATIONAL HEALTH AND SAFETY AND ENVIRONMENTAL EFFECTS**Hazard Assessment**

Based on the available data the notified polymer is not classified as hazardous under the NOHSC Approved Criteria for Classifying Hazardous Substances.

Occupational Health and Safety

There is Low Concern to occupational health and safety under the conditions of the occupational settings described.

Public Health

There is Negligible Concern to public health when used as a component of spray-on powder coatings.

Environmental Effects

On the basis of the low environmental exposure and low environmental hazard, the notified polymer is not considered to pose a risk to the environment based on its reported use pattern.

RECOMMENDATIONS*Control Measures***Occupational Health and Safety**

- Employers should implement the following engineering controls to minimise occupational exposure to the notified polymer when used in powder coatings:

- Local exhaust ventilation during spraying, filling of hoppers, reclaiming powder and clean-up.
- Enclosed and automated spray application.
- Spray painting booths and equipment should be in accordance with Australian Standard AS3754-1990, *Safe Application of Powder Coatings by Electrostatic Spraying*.
- Employers should implement the following safe work practices to minimise occupational exposure to the notified polymer when used in powder coatings:
 - Avoid generating dusts, when opening powder coating packages, loading hoppers, reclaiming powder and cleaning equipment.
 - Precautions must be taken to avoid sources of ignition, e.g. use of earthing leads.
- Employers should ensure that the following personal protective equipment is used by workers to minimise occupational exposure to the notified polymer when used in powder coatings:
 - anti-static overalls
 - non-insulating gloves
 - anti-static footwear
 - dust respirators or air fed respiratory equipment

Guidance in selection of personal protective equipment can be obtained from Australian, Australian/New Zealand or other approved standards.

- A copy of the MSDS should be easily accessible to employees.

If products and mixtures containing the notified polymer are classified as hazardous to health in accordance with the NOHSC *Approved Criteria for Classifying Hazardous Substances*, workplace practices and control procedures consistent with provisions of State and Territory hazardous substances legislation must be in operation.

Disposal

- The notified polymer should be disposed of by controlled incineration or landfill in accordance with local jurisdiction waste management regulations.

Storage

- Store and handle in accordance with recommendation in the MSDS.

Emergency procedures

- Spills/release of the notified polymer should be contained and placed in suitable containers for disposal

Secondary Notification

The Director of Chemicals Notification and Assessment must be notified in writing within 28 days by the notifier, other importer or manufacturer:

Under Section 64(2) of the Act:

- if any of the circumstances listed in the subsection arise.

The Director will then decide whether secondary notification is required.

No additional secondary notification conditions are stipulated.

18 PUBLICATION SUMMARY REPORT

Polymer in Sika Viscocrete SK 3.2 / Sika Viscocrete PC-1 Summary Report Reference No: PLC/506

Sika Australia Pty Ltd (ABN 12001342329) of 55 Elizabeth Street, Wetherill Park, NSW, 2164 has submitted a polymer of low concern (PLC) notification statement in support of their application for a self-assessed assessment certificate for Polymer in Sika Viscocrete SK 3.2 / Sika Viscocrete PC-1. The notified polymer is intended to be used as a superplasticiser for concrete. Up to 1000 tonnes of the notified polymer will be manufactured per annum for each of the first five years.

ASSESSMENT OF PUBLIC, OCCUPATIONAL HEALTH AND SAFETY AND ENVIRONMENTAL EFFECTS

Hazard Assessment

The notified polymer meets the PLC criteria and can therefore be considered to be of low hazard. The final product contains the notified polymer at a low concentration of <1%, which is bound within the concrete. The polymer has a relatively high molecular weight and is unlikely to absorb across the skin or other biological membranes. Furthermore it contains only functional groups of low concern. Thus it is not expected to have any significant toxicity to humans. Also it does not contain any hazardous residual monomers, which are present above the lowest cut-off concentrations. The notified polymer is not classified as hazardous to human health.

Occupational Health and Safety

There is Low Concern to occupational health and safety under the conditions of the occupational settings described.

Public Health

There is Negligible Concern to public health when used as a superplasticiser agent.

Environmental Effects

The polymer is not considered to pose a risk to the environment based on its reported use pattern.

RECOMMENDATIONS

Control Measures

Occupational Health and Safety

- No specific engineering controls, work practices or personal protective equipment are required for the safe use of the notified polymer itself, however, these should be selected on the basis of all ingredients in the formulation.

Guidance in selection of personal protective equipment can be obtained from Australian, Australian/New Zealand or other approved standards.

- A copy of the MSDS should be easily accessible to employees.
- If products and mixtures containing the notified polymer are classified as hazardous to health in accordance with the NOHSC *Approved Criteria for Classifying Hazardous Substances*, workplace practices and control procedures consistent with provisions of State and Territory hazardous substances legislation must be in operation.

Disposal

- The concrete containing the notified polymer should be disposed of to licensed landfill sites.

Emergency procedures

- If spills are not possible to recycle then the spill should be handled by covering with some inert absorbent and sweeping material up into containers for disposal to landfill.

Secondary Notification

The Director of Chemicals Notification and Assessment must be notified in writing within 28 days by the notifier, other importer or manufacturer:

Under subsection 64(1) of the Act; if

- the notified polymer is introduced in a chemical form that does not meet the PLC criteria.

or

Under subsection 64(2) of the Act:

- if any of the circumstances listed in the subsection arise.

The Director will then decide whether secondary notification is required.

19 PUBLICATION SUMMARY REPORT

Polymer in Sika Viscocrete RMC-1 Summary Report Reference No: PLC/507

Sika Australia Pty Ltd (ABN 12001342329) of 55 Elizabeth Street, Wetherill Park, NSW, 2164 has submitted a polymer of low concern (PLC) notification statement in support of their application for a self-assessed assessment certificate for Polymer in Sika Viscocrete RMC-1. The notified polymer is intended to be used as a superplasticiser for concrete. Up to 1200 tonnes of the notified polymer will be manufactured per annum for each of the first five years.

ASSESSMENT OF PUBLIC, OCCUPATIONAL HEALTH AND SAFETY AND ENVIRONMENTAL EFFECTS

Hazard Assessment

The notified polymer meets the PLC criteria and can therefore be considered to be of low hazard. The final product contains the notified polymer at a low concentration of <1%, which is bound within the concrete. The polymer has a relatively high molecular weight and is unlikely to absorb across the skin or other biological membranes. Furthermore it contains no moderate or high concern reactive functional groups. Thus it is not expected to have any significant toxicity to humans. Also it does not contain any hazardous residual monomers, which are present above the lowest cut-off concentrations. The notified polymer is not classified as hazardous to human health.

Occupational Health and Safety

There is Low Concern to occupational health and safety under the conditions of the occupational settings described

Public Health

There is negligible Concern to public health when used as a super plasticiser agent.

Environmental Effects

The polymer is not considered to pose a risk to the environment based on its reported use pattern.

RECOMMENDATIONS

Control Measures

Occupational Health and Safety

- No specific engineering controls, work practices or personal protective equipment are required for the safe use of the notified polymer itself, however, these should be selected on the basis of all ingredients in the formulation.

Guidance in selection of personal protective equipment can be obtained from Australian, Australian/New Zealand or other approved standards.

- A copy of the MSDS should be easily accessible to employees.
- If products and mixtures containing the notified polymer are classified as hazardous to health in accordance with the NOHSC *Approved Criteria for Classifying Hazardous Substances*, workplace practices and control procedures consistent with provisions of State and Territory hazardous substances legislation must be in operation.

Disposal

- The concrete containing the notified polymer should be disposed of to licensed landfill sites.

Emergency procedures

If spills are not possible to recycle then the spill should be handled by covering with some inert absorbent and sweeping material up into containers for disposal to landfill

Secondary Notification

The Director of Chemicals Notification and Assessment must be notified in writing within 28 days by the notifier, other importer or manufacturer:

Under subsection 64(1) of the Act; if

- the notified polymer is introduced in a chemical form that does not meet the PLC criteria.

or

Under subsection 64(2) of the Act:

- if any of the circumstances listed in the subsection arise.

The Director will then decide whether secondary notification is required.

20 PUBLICATION SUMMARY REPORT

**Melflux 2561F
Summary Report
Reference No: PLC/555**

International Sales and Marketing (ABN 36 467 259 314) of 262 Highett Road, Highett, Victoria has submitted a polymer of low concern (PLC) notification statement in support of their application for an assessment certificate for Melflux 2561F. The notified polymer is intended to be used as a plasticiser (dispersant) for cement based construction materials. Twenty tonnes of the notified polymer will be imported per annum for each of the first five years.

ASSESSMENT OF PUBLIC, OCCUPATIONAL HEALTH AND SAFETY AND ENVIRONMENTAL EFFECTS**Hazard Assessment**

The notified polymer meets the PLC criteria and can therefore be considered to be of low hazard.

From the limited data available, toxicity to aquatic organisms is likely to be very low. However, anionic polymers are known to be moderately toxic to algae. The mode of toxic action is overchelation of nutrient elements needed by algae for growth. The highest toxicity is when the acid is on alternating carbons of the polymer backbone. This could apply to the notified polymer. However, the toxicity to algae is likely to be further reduced due to the presence of calcium ions, which will bind to the functional groups.

Occupational Health and Safety

The polymer is not considered to pose a risk to the environment based on its reported use pattern.

Public Health

There is Negligible Concern to public health when used in the proposed manner.

Environmental Effects

The polymer is not considered to pose a risk to the environment based on its reported use pattern.

RECOMMENDATIONS*Control Measures***Occupational Health and Safety**

- No specific engineering controls, work practices or personal protective equipment are required for the safe use of the notified polymer itself, however, these should be selected on the basis of all ingredients in the formulation.

Guidance in selection of personal protective equipment can be obtained from Australian, Australian/New Zealand or other approved standards.

- Guidance on the handling of wet cement can be obtained from the Office of the Australian Safety and Compensation Council
- The level of atmospheric nuisance dust should be maintained as low as possible. The NOHSC exposure standard for atmospheric dust is 10 mg/m³.
- A copy of the MSDS should be easily accessible to employees.
- If products and mixtures containing the notified polymer are classified as hazardous to health in accordance with the NOHSC *Approved Criteria for Classifying Hazardous Substances*, workplace practices and control procedures consistent with provisions of State and Territory hazardous substances legislation must be in operation.

Disposal

- The notified polymer should be disposed of by incineration or to landfill.

Emergency procedures

- Spills of the notified polymer should be handled by physical containment, collection and subsequent safe disposal.

Secondary Notification

The Director of Chemicals Notification and Assessment must be notified in writing within 28 days by the notifier, other importer or manufacturer:

Under subsection 64(1) of the Act; if

- the notified polymer is introduced in a chemical form that does not meet the PLC criteria.

or

Under subsection 64(2) of the Act:

- if any of the circumstances listed in the subsection arise.

The Director will then decide whether secondary notification is required.

21 PUBLICATION SUMMARY REPORT

**Texcare SRN 100
Summary Report
Reference No: PLC/565**

Clariant (Australia) Pty Ltd (ABN 30 069 435 552) of 675-685 Warrigal Road, Chadstone VIC 3148 has submitted a polymer of low concern (PLC) notification statement in support of their application for an assessment certificate for Texcare SRN 100. The notified polymer is intended to be used as non-ionic soil release polyester for household and industrial cleaning products. Up to 10 tonnes of the notified polymer will be imported per annum for each of the first five years.

ASSESSMENT OF PUBLIC, OCCUPATIONAL HEALTH AND SAFETY AND ENVIRONMENTAL EFFECTS**Hazard Assessment**

The notified polymer meets the PLC criteria and can therefore be considered to be of low hazard.

Occupational Health and Safety

There is Low Concern to occupational health and safety under the conditions of the occupational settings described.

Public Health

There is No Significant Concern to public health when used in the proposed manner.

Environmental Effects

The polymer is not considered to pose a risk to the environment based on its reported use pattern.

RECOMMENDATIONS*Control Measures***Occupational Health and Safety**

- No specific engineering controls, work practices or personal protective equipment are required for the safe use of the notified polymer itself, however, these should be selected on the basis of all ingredients in the formulation.

Guidance in selection of personal protective equipment can be obtained from Australian, Australian/New Zealand or other approved standards.

- A copy of the MSDS should be easily accessible to employees.

Environment

- No special control measures are required.

Disposal

- Recycle whenever possible or consult manufacturer for recycling options. Consult State Land Waste Management Authority for disposal. Bury residue in an authorised landfill. Recycle containers if possible, or dispose of in an authorised landfill

Storage and Use

- The following precautions should be taken by reformulators regarding storage of the notified polymer:
 - The product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with government regulations.
 - Keep the container dry.
 - The polymer should not be used in formulations of pH > 8.5.

Emergency procedures

- Spills/release of the notified polymer should be prevented from entering waterways and be contained with sand or vermiculite. The recoverable product should be collected into labelled containers for recycling and the remainder should be absorbed with sand, earth, or vermiculite and placed in appropriate containers for disposal

Transport and Packaging

- The notified polymer may be packaged and transported as non-dangerous goods

Secondary Notification

The Director of Chemicals Notification and Assessment must be notified in writing within 28 days by the notifier, other importer or manufacturer:

Under subsection 64(1) of the Act; if

- the notified polymer is introduced in a chemical form that does not meet the PLC criteria.

or

Under subsection 64(2) of the Act:

- if any of the circumstances listed in the subsection arise.
- The amount of the notified polymer being introduced, or it is likely to increase above the projected maximum of 10 tones per annum. At that time, biodegradation test report may be required.

The Director will then decide whether secondary notification is required.

22 PUBLICATION SUMMARY REPORT

**Y-14570
Summary Report
Reference No: PLC/566**

GE Toshiba Silicones Australia Pty Ltd (ABN 47 105 651 063) of 175 Hammond Road Dandenong VIC 3175 has submitted a polymer of low concern (PLC) notification statement in support of their application for an assessment certificate for Y-14570. The notified polymer is intended to be used as an antifoam agent in the pulp and paper industry and in marine lube oils. The notified polymer will be imported at 100% or as 40-60% of emulsion products, and used at low dosage rates in end-use. Up to 10 tonnes of the notified polymer will be imported per annum for each of the first five years.

ASSESSMENT OF PUBLIC, OCCUPATIONAL HEALTH AND SAFETY AND ENVIRONMENTAL EFFECTS**Hazard Assessment**

The notified polymer meets the PLC criteria and can therefore be considered to be of low hazard. The results of toxicity testing data submitted support this conclusion.

Occupational Health and Safety

There is Low Concern to occupational health and safety under the conditions of the occupational settings described.

Public Health

There is Negligible Concern to public health when used in the proposed manner.

Environmental Effects

The polymer is not considered to pose a risk to the environment based on its reported use pattern.

RECOMMENDATIONS*Control Measures***Occupational Health and Safety**

- No specific engineering controls, work practices or personal protective equipment are required for the safe use of the notified polymer itself, however, these should be selected on the basis of all ingredients in the formulation.

Guidance in selection of personal protective equipment can be obtained from Australian, Australian/New Zealand or other approved standards.

- A copy of the MSDS should be easily accessible to employees.
- If products and mixtures containing the notified polymer are classified as hazardous to health in accordance with the NOHSC *Approved Criteria for Classifying Hazardous*

Substances, workplace practices and control procedures consistent with provisions of State and Territory hazardous substances legislation must be in operation.

Disposal

- The notified polymer should be disposed of to secure landfill or by thermal decomposition in an incinerator.

Emergency procedures

- Spills of the notified polymer should be handled by physical containment, collection and subsequent safe disposal.

Secondary Notification

The Director of Chemicals Notification and Assessment must be notified in writing within 28 days by the notifier, other importer or manufacturer:

Under subsection 64(1) of the Act; if

- the notified polymer is introduced in a chemical form that does not meet the PLC criteria.

or

Under subsection 64(2) of the Act:

- if any of the circumstances listed in the subsection arise.

The Director will then decide whether secondary notification is required.

23 PUBLICATION SUMMARY REPORT

**Tegostab B8469
Summary Report
Reference No: PLC/591**

International Sales and Marketing (ABN 36 467 259 314) of 262 Highett Rd, Highett, VIC has submitted a polymer of low concern (PLC) notification statement in support of their application for an assessment certificate for Tegostab B8469. The notified polymer is intended to be used as a stabiliser used in the production of polyurethane insulation panels. Up to 30 tonnes of the notified polymer will be imported per annum for each of the first five years.

ASSESSMENT OF PUBLIC, OCCUPATIONAL HEALTH AND SAFETY AND ENVIRONMENTAL EFFECTS**Hazard Assessment**

The notified polymer meets the PLC criteria and can therefore be considered to be of low hazard. Due to impurities present, Tegostab 8469 is classified as a C1 combustible liquid.

Nonionic polymers with a number average molecular weight in excess of 1000 are generally of low concern for ecotoxicity.

Occupational Health and Safety

There is Low Concern to occupational health and safety under the conditions of the occupational settings described.

Public Health

There is Negligible Concern to public health when used in the proposed manner.

Environmental Effects

The polymer is not considered to pose a risk to the environment based on its reported use pattern.

RECOMMENDATIONS*Control Measures***Occupational Health and Safety**

- No specific engineering controls, work practices or personal protective equipment are required for the safe use of the notified polymer itself, however, these should be selected on the basis of all ingredients in the formulation.

Guidance in selection of personal protective equipment can be obtained from Australian, Australian/New Zealand or other approved standards.

- A copy of the MSDS should be easily accessible to employees.

- Due to the presence of impurities the notified polymer as introduced should be handled consistent with provisions of State and Territory legislation regarding the Handling of Combustible Liquids.
- If products and mixtures containing the notified polymer are classified as hazardous to health in accordance with the NOHSC *Approved Criteria for Classifying Hazardous Substances*, workplace practices and control procedures consistent with provisions of State and Territory hazardous substances legislation must be in operation.

Environment

- The following control measures should be implemented by formulator to minimise environmental exposure during formulation of the notified polymer:
 - All process areas should be bunded with only process drains within the area.

Disposal

- The notified polymer should be disposed of to landfill.

Storage

- Due to the presence of impurities the notified polymer as introduced should be stored consistent with provisions of State and Territory legislation regarding the Storage of Combustible Liquids.

Emergency procedures

- Spills or release of the notified polymer should be handled by containment and use of inert absorbent. The absorbent should be then placed in a sealable labelled container and disposed of to landfill.

Secondary Notification

The Director of Chemicals Notification and Assessment must be notified in writing within 28 days by the notifier, other importer or manufacturer:

Under subsection 64(1) of the Act; if

- the notified polymer is introduced in a chemical form that does not meet the PLC criteria.

or

Under subsection 64(2) of the Act:

- if any of the circumstances listed in the subsection arise.

The Director will then decide whether secondary notification is required.

24 PUBLICATION SUMMARY REPORT

Polymer in RX3657 Summary Report Reference No: PLC/594

BASF Coatings Australia Pty Ltd (ABN 91 092 127 501) of 51 McIntyre Rd, Sunshine, VIC and Akzo Nobel Pty Ltd (ABN 91 000 017 354) of 51 McIntyre Rd, Sunshine, VIC have submitted a polymer of low concern (PLC) notification statement in support of their application for an assessment certificate for Polymer in RX3657. The notified polymer is intended to be used as component of OEM automotive coating. Manufacture of the notified polymer and formulation and application of the automotive coating will be carried out in Victoria. Fifty to 75 tonnes of the notified polymer will be manufactured per annum for each of the first five years.

ASSESSMENT OF PUBLIC, OCCUPATIONAL HEALTH AND SAFETY AND ENVIRONMENTAL EFFECTS

Hazard Assessment

The notified polymer meets the PLC criteria and can therefore be considered to be of low hazard.

Occupational Health and Safety

There is Low Concern to occupational health and safety under the conditions of the occupational settings described.

Public Health

There is Negligible Concern to public health when used in the proposed manner.

Environmental Effects

The polymer is not considered to pose a risk to the environment based on its reported use pattern.

RECOMMENDATIONS

Control Measures

- No specific engineering controls, work practices or personal protective equipment are required for the safe use of the notified polymer itself, however, these should be selected on the basis of all ingredients in the formulation.

Guidance in selection of personal protective equipment can be obtained from Australian, Australian/New Zealand or other approved standards.

- A copy of the MSDS should be easily accessible to employees.
- If products and mixtures containing the notified polymer are classified as hazardous to health in accordance with the NOHSC *Approved Criteria for Classifying Hazardous*

Substances, workplace practices and control procedures consistent with provisions of State and Territory hazardous substances legislation must be in operation.

Disposal

- The notified polymer should be disposed of by a licensed waste contractor to landfill

Emergency procedures

- Spills/release of the notified polymer should be handled by absorption of the polymer solution followed by collection and disposal using licensed waste contractors.

Secondary Notification

The Director of Chemicals Notification and Assessment must be notified in writing within 28 days by the notifier, other importer or manufacturer:

Under subsection 64(1) of the Act; if

- the notified polymer is introduced in a chemical form that does not meet the PLC criteria.

or

Under subsection 64(2) of the Act:

- if any of the circumstances listed in the subsection arise.

The Director will then decide whether secondary notification is required.

25 PUBLICATION SUMMARY REPORT

**Polymer in KS3332
Summary Report
Reference No: PLC/597**

BASF Coatings Australia Pty Ltd (ABN 91 092 127 501) of 51 McIntyre Rd, Sunshine, VIC and Akzo Nobel Pty Ltd (ABN 91 000 017 354) of 51 McIntyre Rd, Sunshine, VIC have submitted a polymer of low concern (PLC) notification statement in support of their application for an assessment certificate for Polymer in KS3332. The notified polymer is intended to be used as component of OEM automotive coating. Formulation and application of the automotive coating and potential future manufacture of the notified polymer will be carried out in Victoria. Up to ten tonnes of the notified polymer will be imported per annum for each of the first five years.

ASSESSMENT OF PUBLIC, OCCUPATIONAL HEALTH AND SAFETY AND ENVIRONMENTAL EFFECTS**Hazard Assessment**

The notified polymer meets the PLC criteria and can therefore be considered to be of low hazard.

Occupational Health and Safety

There is Low Concern to occupational health and safety under the conditions of the occupational settings described.

Public Health

There is Negligible Concern to public health when used in the proposed manner.

Environmental Effects

The polymer is not considered to pose a risk to the environment based on its reported use pattern.

RECOMMENDATIONS*Control Measures***Occupational Health and Safety**

- No specific engineering controls, work practices or personal protective equipment are required for the safe use of the notified polymer itself, however, these should be selected on the basis of all ingredients in the formulation.

Guidance in selection of personal protective equipment can be obtained from Australian, Australian/New Zealand or other approved standards.

- A copy of the MSDS should be easily accessible to employees.
- If products and mixtures containing the notified polymer are classified as hazardous to health in accordance with the NOHSC *Approved Criteria for Classifying Hazardous*

Substances, workplace practices and control procedures consistent with provisions of State and Territory hazardous substances legislation must be in operation.

Disposal

- The notified polymer should be disposed of by incineration or to landfill.

Emergency procedures

- Spills or release of the notified polymer should be handled by physical containment, collection and subsequent safe disposal.

Secondary Notification

The Director of Chemicals Notification and Assessment must be notified in writing within 28 days by the notifier, other importer or manufacturer:

Under subsection 64(1) of the Act; if

- the notified polymer is introduced in a chemical form that does not meet the PLC criteria.

or

Under subsection 64(2) of the Act:

- if any of the circumstances listed in the subsection arise.

The Director will then decide whether secondary notification is required.

26 PUBLICATION SUMMARY REPORT

**Superchlone 225L
Summary Report
Reference No: PLC/611**

PPG Industries Australia Pty. Ltd. (ABN 055-500-939) McNaughton Rd Clayton, VIC, 3168 has submitted a polymer of low concern (PLC) notification statement in support of their application for an assessment certificate for Superchlone 225L. The notified polymer is intended to be used as a component in finished automotive spray paints. It will be spray applied by robots and operators onto car bodies and then baked to form part of the paint finish of the car. Up to 0.3 tonnes of the notified polymer will be imported per annum for each of the first five years.

ASSESSMENT OF PUBLIC, OCCUPATIONAL HEALTH AND SAFETY AND ENVIRONMENTAL EFFECTS**Hazard Assessment**

The notified polymer meets the PLC criteria and can therefore be considered to be of low hazard.

Occupational Health and Safety

There is Low Concern to occupational health and safety under the conditions of the occupational settings described

Public Health

There is Negligible Concern to public health when used in the proposed manner.

Environmental Effects

The polymer is not considered to pose a risk to the environment based on its reported use pattern.

RECOMMENDATIONS*Control Measures***Occupational Health and Safety**

- No specific engineering controls, work practices or personal protective equipment are required for the safe use of the notified polymer itself, however, these should be selected on the basis of all ingredients in the formulation.

Guidance in selection of personal protective equipment can be obtained from Australian, Australian/New Zealand or other approved standards.

- A copy of the MSDS should be easily accessible to employees.
- If products and mixtures containing the notified polymer are classified as hazardous to health in accordance with the NOHSC *Approved Criteria for Classifying Hazardous*

Substances, workplace practices and control procedures consistent with provisions of State and Territory hazardous substances legislation must be in operation.

Environment

- Prevent uncontrolled release to the environment.

Disposal

- Product: Excess product containing the notified chemical should be collected and allowed to harden prior to disposal to landfill.

Storage

- Product containing the notified polymer should be stored in suitably banded storage facilities.

Emergency procedures

Spills/release of the notified polymer should be handled by physical containment and disposal of to secure landfill.

Secondary Notification

The Director of Chemicals Notification and Assessment must be notified in writing within 28 days by the notifier, other importer or manufacturer:

Under subsection 64(1) of the Act; if

- the notified polymer is introduced in a chemical form that does not meet the PLC criteria.

or

Under subsection 64(2) of the Act:

- if any of the circumstances listed in the subsection arise.

The Director will then decide whether secondary notification is required

27 PUBLICATION SUMMARY REPORT

**Component of Vinnapas LL5016
Summary Report
Reference No: PLC/612**

Wacker Chemical Australia Pty Ltd (ABN 42 005 712 489) of Unit 18/20 Duerdin Street Clayton North VIC 3168 has submitted a polymer of low concern (PLC) notification statement in support of their application for an assessment certificate for Component of Vinnapas® LL5016. The notified polymer is intended to be used as a component of Vinnapas® LL5016 (<10% ingredient), a cementitious flooring compound. Up to 3 tonnes of the notified polymer will be imported per annum for each of the first five years.

ASSESSMENT OF PUBLIC, OCCUPATIONAL HEALTH AND SAFETY AND ENVIRONMENTAL EFFECTS**Hazard Assessment**

The notified polymer meets the PLC criteria and can therefore be considered to be of low hazard.

Occupational Health and Safety

There is Low Concern to occupational health and safety under the conditions of the occupational settings described.

Public Health

There is No Significant Concern to public health when used in the proposed manner.

Environmental Effects

The polymer is not considered to pose a risk to the environment based on its reported use pattern.

RECOMMENDATIONS*Control Measures***Occupational Health and Safety**

- No specific engineering controls, work practices or personal protective equipment are required for the safe use of the notified polymer itself, however, these should be selected on the basis of all ingredients in the formulation.

Guidance in selection of personal protective equipment can be obtained from Australian, Australian/New Zealand or other approved standards.

- A copy of the MSDS should be easily accessible to employees.
- If products and mixtures containing the notified polymer are classified as hazardous to health in accordance with the NOHSC *Approved Criteria for Classifying Hazardous*

Substances, workplace practices and control procedures consistent with provisions of State and Territory hazardous substances legislation must be in operation.

Disposal

- The notified polymer should be disposed of to authorised landfill.

Emergency procedures

Spills/accidental release of the notified polymer should be handled by physical containment, followed by collection and safe disposal to authorised landfill.

Secondary Notification

The Director of Chemicals Notification and Assessment must be notified in writing within 28 days by the notifier, other importer or manufacturer:

Under subsection 64(1) of the Act; if

- the notified polymer is introduced in a chemical form that does not meet the PLC criteria.
- the notified polymer is introduced in a form other than as a minor component of Vinnapas® LL5016

or

Under subsection 64(2) of the Act:

- if any of the circumstances listed in the subsection arise.

The Director will then decide whether secondary notification is required.

28 PUBLICATION SUMMARY REPORT

**Styrosun Polystyrene Resin
Summary Report
Reference No: PLC/616**

Polystyrene Australia, (ABN 851 185 135 80) of 2-4 Mephan Street, Maribyrnong, Victoria, 3032 has submitted a polymer of low concern (PLC) notification statement in support of their application for an assessment certificate for Styrosun Polystyrene Resin. The notified polymer is intended to be used in the manufacture of thermoplastic articles such as ventilation grilles and ducts, caravan window frames, outdoor lighting, synthetic wood, decorative profiles, advertising signage. Up to 100 tonnes of the notified polymer will be imported per annum for each of the first five years.

ASSESSMENT OF PUBLIC, OCCUPATIONAL HEALTH AND SAFETY AND ENVIRONMENTAL EFFECTS**Hazard Assessment**

The notified polymer meets the PLC criteria and can therefore be considered to be of low hazard. Non-ionic polymers with NAMW > 1000 are generally of low concern to the aquatic environment.

Occupational Health and Safety

There is Low Concern to occupational health and safety under the conditions of the occupational settings described.

Public Health

There is No Significant Concern to public health when used in the proposed manner.

Environmental Effects

The polymer is not considered to pose a risk to the environment based on its reported use pattern.

RECOMMENDATIONS*Control Measures***Occupational Health and Safety**

- No specific engineering controls, work practices or personal protective equipment are required for the safe use of the notified polymer itself, however, these should be selected on the basis of all ingredients in the formulation.

Guidance in selection of personal protective equipment can be obtained from Australian, Australian/New Zealand or other approved standards.

- In the interest of occupational health and safety, the following guidelines and precautions should be observed for use of the notified polymer as introduced:
 - The level of atmospheric nuisance dust should be maintained as low as possible.

- A copy of the MSDS should be easily accessible to employees.
- If products and mixtures containing the notified polymer are classified as hazardous to health in accordance with the NOHSC *Approved Criteria for Classifying Hazardous Substances*, workplace practices and control procedures consistent with provisions of State and Territory hazardous substances legislation must be in operation.

Disposal

- The notified polymer should be disposed of to landfill.

Emergency procedures

- Spills or accidental release of the notified polymer should be handled by containment, collection and subsequent safe disposal.

Secondary Notification

The Director of Chemicals Notification and Assessment must be notified in writing within 28 days by the notifier, other importer or manufacturer:

Under subsection 64(1) of the Act; if

- the notified polymer is introduced in a chemical form that does not meet the PLC criteria.

or

Under subsection 64(2) of the Act:

- if any of the circumstances listed in the subsection arise.

The Director will then decide whether secondary notification is required.

29 PUBLICATION SUMMARY REPORT

**Polymer in Cydrothane HP-4033
Summary Report
Reference No: SAPLC/23**

Cytec Australia Holdings Pty. Limited (ABN: 45 081 148 629) of Suite 1, Level 1 Norwest Quay, 21 Solent Circuit, Norwest Business Park, Baulkham Hills NSW 2153 has submitted a polymer of low concern (PLC) notification statement in support of their application for a self-assessed assessment certificate for Polymer in CYDROTHANE® HP-4033. The notified polymer is intended to be used as an additive in building adhesives for use in the building trade and retail market. It will also be used in the laminating and surface inks for use in packaging. Up to 5 tonnes of the notified polymer will be imported per annum for each of the first five years.

ASSESSMENT OF PUBLIC, OCCUPATIONAL HEALTH AND SAFETY AND ENVIRONMENTAL EFFECTS**Hazard Assessment**

The notified polymer meets the PLC criteria and can therefore be considered to be of low hazard. The notified polymer is not readily biodegradable and is not expected to cross biological membranes due to its high molecular weight, and as such should not bioaccumulate.

Occupational Health and Safety

There is Low Concern to occupational health and safety under the conditions of the occupational settings described.

Public Health

There is No Significant Concern to public health when used in the proposed manner.

Environmental Effects

The polymer is not considered to pose a risk to the environment based on its reported use pattern.

RECOMMENDATIONS*Control Measures***Occupational Health and Safety**

- No specific engineering controls, work practices or personal protective equipment are required for the safe use of the notified polymer itself, however, these should be selected on the basis of all ingredients in the formulation.

Guidance in selection of personal protective equipment can be obtained from Australian, Australian/New Zealand or other approved standards

- A copy of the MSDS should be easily accessible to employees.

- If products and mixtures containing the notified polymer are classified as hazardous to health in accordance with the NOHSC *Approved Criteria for Classifying Hazardous Substances*, workplace practices and control procedures consistent with provisions of State and Territory hazardous substances legislation must be in operation.

Environment

- The following control measures should be implemented by adhesive manufacturers and warehouse sites to minimise environmental exposure during adhesive formulation and storage of the notified polymer:
 - All process equipment and storage areas should be bunded.

Disposal

- The notified polymer should be disposed of to landfill for solids and to licensed waste contractors for liquids.

Emergency procedures

- Spills/release of the notified polymer should be contained by soaking up with inert absorbent material and dispose of as special waste in compliance with local and State regulations as recommended in the MSDS.
- Use detergent in cleaning up.
- Prevent product from entering drains.

Secondary Notification

The Director of Chemicals Notification and Assessment must be notified in writing within 28 days by the notifier, other importer or manufacturer:

Under subsection 64(1) of the Act; if

- the notified polymer is introduced in a chemical form that does not meet the PLC criteria.

or

Under subsection 64(2) of the Act:

- if any of the circumstances listed in the subsection arise.

The Director will then decide whether secondary notification is required.

30 PUBLICATION SUMMARY REPORT

**Tuftone CPES-A3C
Summary Report
Reference No: SAPLC/25**

Kao (Australia) Marketing Pty. Ltd. (ABN 59 054 708 299) of 1-5 Commercial Road, Kingsgrove, NSW has submitted a polymer of low concern (PLC) notification statement in support of their application for a self-assessed assessment certificate for Tuftone CPES-A3C. The notified polymer is intended to be used as a binder resin in toner cartridges. Less than 1 tonne of the notified polymer will be imported per annum for each of the first five years.

ASSESSMENT OF PUBLIC, OCCUPATIONAL HEALTH AND SAFETY AND ENVIRONMENTAL EFFECTS**Hazard Assessment**

The notified polymer meets the PLC criteria and can therefore be considered to be of low hazard.

Occupational Health and Safety

There is Low Concern to occupational health and safety under the conditions of the occupational settings described.

Public Health

There is No Significant Concern to public health when used in the proposed manner.

Environmental Effects

The polymer is not considered to pose a risk to the environment based on its reported use pattern.

RECOMMENDATIONS*Control Measures***Occupational Health and Safety**

- No specific engineering controls, work practices or personal protective equipment are required for the safe use of the notified polymer when present in toners, however, these should be selected on the basis of all ingredients in the formulation.
- If product and mixtures containing the notified polymer are classified as hazardous to health in accordance with the NOHSC Approved Criteria for Classifying Hazardous Substances, workplace practices and control procedures consistent with provisions of State and Territory hazardous substances legislation must be in operation.
- In the interests of occupational health and safety, the following guidelines and precautions should be observed for use of the notified polymer as introduced as a component of toners:

- It is recommended that service personnel wear cotton or disposable gloves and ensure adequate ventilation is present when replenishing spent ink cartridges and during routine maintenance and repairs of printers and photocopiers.
 - The level of atmospheric nuisance dust should be maintained as low as possible. The NOHSC exposure standard for atmospheric dust is 10 mg/m³.
- A copy of the MSDS should be easily accessible to employees.

Disposal

- The notified polymer should be disposed of by methods recommended by the manufacturer for the toner incorporating the polymer. These methods include landfill, incineration or recycling of cartridges.

Emergency procedures

- The notified polymer will not be imported into Australia other than as a minor component within prepared toners. Spills and accidental releases should be handled in accordance with the directions for the toner. Spills are typically limited, due to small containers, and can be disposed of with normal waste. Disposal should be in accordance with local, state and federal regulations for the disposal of wastes.

Secondary Notification

The Director of Chemicals Notification and Assessment must be notified in writing within 28 days by the notifier, other importer or manufacturer:

Under subsection 64(1) of the Act; if

- the notified polymer is introduced in a chemical form that does not meet the PLC criteria.

or

Under subsection 64(2) of the Act:

- if any of the circumstances listed in the subsection arise.

The Director will then decide whether secondary notification is required.

31 ACCESS TO FULL PUBLIC REPORT

NICNAS publishes a Full Public Report for each new chemical assessed. These reports are available for public inspection at the library of the National Occupational Health & Safety Commission at their Canberra office by appointment only. Please call the library on (02) 6279 1161 or (02) 6279 1163 to arrange to view the Full Public Report.

Reports can also be viewed and downloaded free of charge from our website at www.nicnas.gov.au. Copies of these reports may also be requested, free of charge, by contacting the Administration Section of NICNAS by phone: (02) 8577 8816 or fax: (02) 8577 8888.

32 LOW VOLUME CATEGORY PERMITS

The permits listed in Table 2 were issued to import or manufacture the following chemicals under section 21U of the *Industrial Chemicals (Notification and Assessment) Act 1989*. Low Volume Category Permits are approved for 36 months.

Table 1
Low Volume Category Permits

PERMIT NUMBER	COMPANY NAME	COMPANY POSTCODE	CHEMICAL OR TRADE NAME	HAZARDOUS SUBSTANCE	USE	DATE
703	International Flavours & Fragrances Australia Pty Ltd	3175	Cooler 2	Yes	Oral Care Products	23/12/05
704	Pfizer Consumer Healthcare	2229				

33 COMMERCIAL EVALUATION CATEGORY PERMIT

The permits listed in Table 1 were issued to import or manufacture the following chemicals for commercial evaluation under section 21G of the *Industrial Chemicals (Notification and Assessment) Act 1989*.

Table 2
Commercial Evaluation Category Permits

PERMIT NUMBER	COMPANY NAME	COMPANY POSTCODE	CHEMICAL OR TRADE NAME	HAZARDOUS SUBSTANCE	QUANTITY	USE	PERIOD APPROVED
641	Clariant (Australia) Pty Ltd	3148	LENCOPHOR SAC	ND	4000 kg	Optical Whitening of paper	2 years
642	Amtrade (International) Pty Ltd	3009	ULTI PRO 100	Yes	4000 kg	Additive of rubber products	4 months
643	Clariant (Australia) Pty Ltd	3148	SANDUVOR 3058	Yes	2000 kg	UV light absorber for automotive paints	2 years
644	Orica Limited	3000	ORGANOPHOSPHATE-DEGRADING ENZYME A (Opd A)	Yes	400 kg	Pesticide remediation agent	6 months

N.D.: not determined; insufficient data available to effect a health effects classification under Approved Criteria [NOHSC:1008(1999)]

34 NOTICE OF CHEMICALS ELIGIBLE FOR IMMEDIATE LISTING ON THE AUSTRALIAN INVENTORY OF CHEMICAL SUBSTANCES AFTER ISSUING OF ASSESSMENT CERTIFICATES

Notice is given in accordance with section 13B of the *Industrial Chemicals (Notification and Assessment) Act 1989*, that the following chemicals have been added to the Australian Inventory of Chemical Substances.

Table 3

Chemicals Eligible for Immediate Listing on the Australian Inventory of Chemical Substances

CHEMICAL NAME	CAS NUMBER	MOLECULAR FORMULA
Isooctyl 2-[4-[4,6-bis[1,1'-biphenyl)-4-yl]-1,3,5-triazin-2-yl]-3-hydroxyphenoxy]propanoate	204848-45-3	C44H43N3O4
Phosphinic acid, diethyl-, aluminium salt	225789-38-8	C4H11O2P.1/3Al
Propanoic acid, 3-hydroxy-2-(hydroxymethyl)-2-methyl-, polymer with 1,3-bis(1-isocyanato-1-methylethyl)benzene, 2-ethyl-2-(hydroxymethyl)-1,3-propanediol, alpha-hydro-omega-hydroxypoly(oxy-1,4-butanediyl) and 2-methyl-1,5-pentanediamine, compd. with N,N-diethylethanamine	247108-87-8	(C14H16N2O2 . C6H16N2 . C6H14O3 . C5H10O4 . (C4H8O)nH2O)x . xC6H15N

35 NOTICE OF CHEMICALS ELIGIBLE FOR LISTING ON THE AUSTRALIAN INVENTORY OF CHEMICAL SUBSTANCES FIVE YEARS AFTER ISSUING OF ASSESSMENT CERTIFICATES

Notice is given in accordance with section 14(1) of the *Industrial Chemicals (Notification and Assessment) Act 1989*, that the following chemicals have been added to the Australian Inventory of Chemical Substances.

Table 4

Chemicals Eligible for Listing on the Australian Inventory of Chemical Substances

CHEMICAL NAME	CAS NUMBER	MOLECULAR FORMULA
1,3 benzenedicarboxylic acid, polymer with 1,4-benzenedicarboxylic acid, hexanedioic acid and 2-methyl-1, 3-propanediol	132674-74-9	(C ₈ H ₆ O ₄ .C ₈ H ₆ O ₄ .C ₆ H ₁₀ O ₄ .C ₄ H ₁₀ O ₂) _x
2-butyl-benzo(d)isothiazol-3-one	4299-07-4	C ₁₁ H ₁₃ NOS
tert-amyl peroxy(2-ethylhexanoate)	686-31-7	C ₁₃ H ₂₆ O ₃
polyphosphoric acids, esters with 2-oxepanone, polyethylene glycol monomethyl ether, tetrahydro-2H-pyran-2-one reaction product, compds. with 2-(dibutylamino)ethanol	162627-23-8	Unspecific
1,3 benzenedicarboxylic acid, polymer with 1,4 benzenedicarboxylic acid, 1,2-ethanediol and nonanadioic acid	26336-35-6	(C ₉ H ₁₆ O ₄ .C ₈ H ₆ O ₄ .C ₈ H ₆ O ₄ .C ₂ H ₆ O ₂) _x
alpha-[(4-tetrapropenyl)phenylether]-omega-(2-aminobutyl) poly[oxy(ethyl-1,2-ethanediyl)]	206281-05-2	(C ₃ H ₆) ₄ (C ₆ H ₄ O)(C ₄ H ₈ O) _n (C ₄ H ₁₀ N)
poly[oxy(methyl-1,2-ethanediyl)], alpha-hydro-omega-hydroxy-, monoether with mixed distillation residues from manufacture of phenol (tetrapropenyl) derivatives, and phenol (tetrapropenyl) derivatives	220795-72-2	(C ₃ H ₇). (C ₃ H ₆) ₃ .(C ₆ H ₄ O)(C ₃ H ₆ O) ₁₂₋₁₄ H
oxirane, ethyl-, homopolymer, 2-aminobutyl ether, ether with mixed distillation residues from manufacture of phenol (tetrapropenyl) derivatives and phenol (tetrapropenyl) derivatives.	220795-29-9	(C ₃ H ₆) ₄ (C ₆ H ₄ O)(C ₄ H ₈ O) _n (C ₄ H ₁₀ N) with n=13-46
fatty acids, C ₁₂₋₂₁ and C _{18-unsat.} , 2,2,6,6-tetramethyl-4-piperidiny esters	167078-06-0	Unspecified

carbonic acid, dioctyl ester	1680-31-5	C17H34O3
2-propenoic acid, 2-methyl-. polymer with butyl 2-methyl-2-propenoate and 2-propenoic acid, ammonium salt	62478-26-6	(C8H14O2.C4H6O2.C3H4O2)x.xH3N
L-ascorbic acid, 2-[(3b)-cholest-5-en-3-yl hydrogen phosphate], monosodium salt	185018-43-3	C33H52O9NaP
1,3-Benzenedicarboxylic acid, polymer with 1,2-ethanediol, hexanedioic acid, 1,1'-methylenebis[4-isocyanatobenzene] and 2,2'-oxybis	189959-18-0	(C15H10N2O2.C8H6O4.C6H10O4.C4H10O3.C2H6O2)x
2-Propenoic acid, polymer with methyloxirane polymer with oxirane ether with 1,2-propanediol mono(2-methyl-2-propenoate) (1:1), sodium salt	220849-25-2	(C7H12O3.(C3H6O.C2H4O)x.C3H4O2)x.xNaC
2-butenedioic acid (2E)-, dibutyl ester homopolymer	29014-71-9	(C12H20O4)x C
2-naphthalenecarboxamide, 4-[[4-(aminocarbonyl)phenyl]azo]-3-hydroxy-N-(3-nitrophenyl)	163879-74-1	C24H17N5O5
1,3-Benzenedicarboxylic acid, polymer with 1,4-benzenedicarboxylic acid, 1,2-ethanediol, 2-ethyl-2-(hydroxymethyl)-1,3-propanediol and hexanedioic acid.	83863-90-5	(C8H6O4 . C8H6O4 . C6H14O3 . C6H10O4 . C2H6O2)x
ethenylbenzene, polymer with ethyl 2-propenoate and 2-methyl-2-propenoic acid, compound with 2-(dimethylamino)ethanol	64787-85-5	(C8H8).(C5H8O2).(C4H6O2).(C4H11NO)