



Australian Government

Gazette

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Australian Government

Department of Health and Ageing
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.

CONTENTS

SPECIAL NOTICES

1	CALL FOR INFORMATION ON TRISPHOSPHATES	5
2	SECONDARY NOTIFICATION OF LANTHANUM MODIFIED CLAY	7
3	PUBLIC COMMENT SOUGHT ON PROPOSED AMENDMENTS TO THE NATIONAL LIST OF EXEMPTIONS – WORKPLACE PROHIBITION OF CHRYSOTILE ASBESTOS	10
4	LEAD IN INDUSTRIAL SURFACE COATINGS AND INKS OBJECTIONSTO VARIATION OF AICS	11
5	DIETHYLENE GLYCOL – CALL FOR INFORMATION	12
6	NICNAS REGISTRATION RENEWAL 2007-08	16

NEW CHEMICALS

SUMMARY REPORTS

7	LTD/1276	SORBITYL LAURATE	18
8	LTD/1306	GLYCINE, N-COCO ACYL DERIVS., SODIUM SALTS (SODIUM COCOYL GLYCINATE)	20
9	LTD/1318	COMPONENT OF ADDUCT LBK 3542	24
10	LTD/1321	POLYMER IN DUROXYN ® VEF 2406W/43WA	26
11	LTD/1322	ACRYLATE ESTER IN SARTOMER CD 278	29
12	LTD/1328	ACRYBASE FCA-N3	32
13	STD/1119	EFKA-8530	35
14	STD/1215	DESMOPHEN NH 1420	38
15	STD/1251	CHEMICAL IN CP8055	42
16	STD/1252	DABCO NE300	45

17	PLC/662	SILOXANE DERIVATIVE IN SILCARE SEA/SILOXANE DERIVATIVE IN SANDOPERM SE1OIL	48
18	PLC/704	NT-40	50
19	PLC/705	POLYMER IN VERSAFLEX® ONE	52
20	PLC/707	POLYMER IN MICRONAL PMC PRODUCT	54
21	PLC/708	NT-39	57
22	PLC/709	POLYMER IN GEROPON HW 15	59
23	SAPLC/66	POLYMER IN AROLON 881	61
24	EX/98	POLYMER IN MIRALAN HTP	63
25	ACCESS TO FULL PUBLIC REPORT		66
PERMITS ISSUED			
26	LOW VOLUME CHEMICAL PERMITS		67
27	COMMERCIAL EVALUATION CATEGORY PERMITS		68
28	EARLY INTRODUCTION PERMITS		69
29	CONTROLLED USE PERMIT - EXPORT ONLY		70
AUSTRALIAN INVENTORY OF CHEMICAL SUBSTANCES			
30	NOTICE OF CHEMICALS ELIGIBLE FOR LISTING ON THE AUSTRALIAN INVENTORY OF CHEMICAL SUBSTANCES FIVE YEARS AFTER ISSUING OF ASSESSMENT CERTIFICATES		71
31	NOTICE OF CHEMICALS ELIGIBLE FOR IMMEDIATE LISTING ON THE AUSTRALIAN INVENTORY OF CHEMICAL SUBSTANCES AFTER ISSUING OF ASSESSMENT CERTIFICATES		74

1 TRISPHOSPHATES - CALL FOR INFORMATION

The Director of the National Industrial Chemicals Notification and Assessment Scheme (NICNAS) is calling for information under section 48 of the *Industrial Chemicals (Notification and Assessment) Act 1989*, as amended, (the Act), on the following chemicals:

Chemical name	CAS Number
Tris (2-chloroethyl) phosphate (TCEP)	115-96-8
Tris (1-chloro-2-propyl) phosphate (TCPP)	13674-84-5
Tris (1,3-dichloro-2-propyl) phosphate (TDCPP)	13674-87-8
Tris (2-chloro-1-propyl) phosphate	6145-73-9

The notice is directed to all persons who have manufactured or imported trisphosphates or imported products/mixtures containing trisphosphates in the calendar years 2006 and 2007. Importers and manufacturers of trisphosphates and importers of mixtures containing trisphosphates are required to provide the information below. Formulators and endusers of trisphosphates are encouraged to provide the information. The information provided will assist in determining further assessment activity.

The information required on these chemicals is:

- quantities of each trisphosphate imported in the calendar years 2006 and 2007;
- quantities of each trisphosphate in products/mixtures imported in the calendar years 2006 and 2007;
- use patterns of each commercial grade trisphosphate/trisphosphate-containing products;
- atmospheric monitoring data during use of trisphosphates at workplaces;
- information on release of chlorinated trisphosphates from articles containing them, such as furniture, officeware products and interior of automobiles where components are known to contain trisphosphates;
- If substitution of trisphosphates has occurred by other chemicals or substitution of one trisphosphate with another, names of substitutes or the trisphosphate in use.

Importers, manufacturers, formulators and end users of the chemicals listed above play an important role by providing information. The closing date for provision of information is **4 September 2007**. There is a penalty under the Act for non-compliance.

In accordance with section 50 of the Act, the information may be accompanied by an application that some or all of the information provided be treated as exempt information. The form for *Application for Exempt Information* is available on the NICNAS website at http://www.nicnas.gov.au/Forms/Existing_Chemicals/Form3_Exemption_Information_Word.doc

A preliminary assessment of trisphosphates was conducted by NICNAS and a report published in June 2001. The assessment focused on the uses of and potential exposure to chlorinated trisphosphates in Australia. A copy of the assessment report is available on the NICNAS website <http://www.nicnas.gov.au>. Trade names of the chemicals are available in the report.

The assessment, at that time, found that trisphosphates were mainly used in Australia in the production of polyurethane flexible and rigid foams. Flexible foams are incorporated into finished products such as bedding and other soft-furnishing applications. The semi-rigid foams are used in automobile accessories like sun visors, office furniture and stationary products. A recommendation in the report was that a full (risk) assessment of chlorinated trisphosphates be carried out to address public and occupational exposures.

Contact Officer: Ms Virginia Parish, phone (02) 8577 8875, fax (02) 8577 8888, email: virginia.parish@nicnas.gov.au

2 SECONDARY NOTIFICATION OF LANTHANUM MODIFIED CLAY

In accordance with section 65(2) of the *Industrial Chemicals (Notification and Assessment) Act*, 1989 (the Act), as amended, notice is given to manufacturers and importers that the Director requires the secondary notification of the existing chemical **Lanthanum Modified Clay (Phoslock™)**, CAS Number 302346-65-2.

ADDITIONAL STUDIES AVAILABLE FOR LANTHANUM MODIFIED CLAY

Lanthanum Modified Clay was assessed as a new industrial chemical (NA/899) and a report published in July 2001. Since the publication of the NICNAS report, Phoslock Water Solutions Ltd has made available to the Director, additional data on the environmental effects of the chemical.

Reasons for Secondary Notification

The Director has decided that a secondary notification for Lanthanum Modified Clay is required because the additional data now provided has relevance to the hazardous nature of the chemical.

REQUIREMENT TO APPLY FOR SECONDARY NOTIFICATION

In accordance with section 65(3) of the Act, an application for secondary notification must be made by all persons who import/manufacture Lanthanum Modified Clay in Australia or import products/mixtures containing the chemical. There is a penalty for failure to comply with the requirement for secondary notification. The penalty for non-compliance may include prohibition from further importation or manufacture.

APPLICATION FOR SECONDARY NOTIFICATION AND INFORMATION REQUIRED

Secondary notification must be made to the Director by means of an application for secondary notification assessment for an existing chemical, accompanied by any information relevant to an assessment of Lanthanum Modified Clay which was not originally covered in the July 2001 assessment report.

In addition manufacturers and importers must provide information on the following:

- annual quantities of the chemical manufactured/imported (as 'pure' Lanthanum Modified Clay and/or in products/mixtures) in the calendar years 2005, 2006 and 2007 to date along with the concentrations of Lanthanum Modified Clay in the products/mixtures and the product names; and, the quantities proposed to be manufactured/imported during the remainder of 2007,
- annual quantities of the chemical which have been formulated into products/mixtures in the calendar years 2005, 2006 and 2007 to date, the concentration of Lanthanum Modified Clay in these products/mixtures and the product names; and, quantities proposed to be formulated during the remainder of 2007,
- known or potential Australian uses of Lanthanum Modified Clay and if the conditions of use have varied from water treatment to remove oxyanions.

- methods used or proposed to be used in handling, storing, formulation with and disposal of Lanthanum Modified Clay;
- methods used or proposed to be used in applying Lanthanum Modified Clay to the water body;
- copies of Material Safety Data Sheets (MSDS) and labels for Lanthanum Modified Clay and its products;
- any unpublished studies relevant to human and environmental toxicity and risks associated with Lanthanum Modified Clay and any other published and unpublished information relevant to the assessment specifically
 - Ecotoxicity data on the effect of the chemical on (1) burrowing amphipods, (2) physical impact on fish and sediment dwelling biota.
 - Chemical and ecological test data from trial application investigating the efficacy of the chemical in mitigating blooms of algae and any observed delayed effects resulting from application of the chemical to these ecosystems.
 - The effect of Lanthanum Modified Clay on indigenous species exposed in mesocosms.
 - Information on the factors influencing the release of lanthanum from Lanthanum Modified Clay. In addition, information on parameters such as pH, water hardness, dissolved oxygen, etc. would also be useful.
 - Any other field monitoring of biota and ecotoxicity tests; and,
 - Any mammalian toxicological data.
- any information on assessments/reviews of Lanthanum Modified Clay conducted by overseas regulatory authorities;
- if data are provided on analogue chemicals as being relevant to Lanthanum Modified Clay, supportive data to justify the relevance of analogue data must also be provided;
- contact details of the persons to whom Lanthanum Modified Clay or products/mixtures containing Lanthanum Modified Clay have been supplied and/or those to whom it is intended to supply Lanthanum Modified Clay or products/mixtures containing Lanthanum Modified Clay. This is important information which enables NICNAS to contact downstream users for information necessary for assessment. Customer lists are kept confidential.

The secondary notification application form can be found on the NICNAS website at:
http://www.nicnas.gov.au/Forms/Existing_Chemicals/Form1a_SN_PEC_Word.doc

An application that some or all of this information should be exempt from publication may be made under section 75 of the Act, using the approved form which can be found at:
http://www.nicnas.gov.au/Forms/Existing_Chemicals/Form3_Exemption_Information_Word.doc

A fee of \$657 applies for claims of confidentiality.

Applications must be received no later than **4 September 2007**.

ADDITIONAL PERSONS WITH RELEVANT INFORMATION

In addition to the requirement to apply for secondary notification, any persons with information relevant to the assessment of Lanthanum Modified Clay that was not originally covered in the July 2001 assessment report are encouraged to submit the information for consideration. A copy of the assessment report (NA/899) can be found on the NICNAS website at:

<http://www.nicnas.gov.au/PUBLICATIONS/CAR/NEW/NA/NASUMMR/NA0800SR/na899.asp>

Information collected by NICNAS may be provided to State, Territory or Commonwealth regulatory agencies for the purposes of monitoring compliance under relevant legislation. All information collected is treated in accordance with strict confidentiality guidelines and in compliance with the *Privacy Act 1988*.

Applicants are requested to contact Dr Janith Wickramaratna by telephone (02) 8577 8846, fax: (02) 8577 8888 or e-mail: janith.wickramaratna@nicnas.gov.au for further information.

3 PUBLIC COMMENT SOUGHT ON PROPOSED AMENDMENTS TO THE NATIONAL LIST OF EXEMPTIONS – WORKPLACE PROHIBITION OF CHRYSOTILE ASBESTOS

The Australian Safety and Compensation Council (ASCC) is releasing the following Public Discussion Paper for public comment:

- Amendments to the *National List of Exemptions, Workplace Prohibition of Chrysotile Asbestos*

Specifically, the ASCC is seeking comment on a proposed extension of Exemption 4, which allows for the Australian Defence Organisation to use chrysotile parts and components that are considered to be mission critical.

The document is available free of charge from the ASCC Website at: <http://www.ascc.gov.au/ascc/AboutUs/PublicComment/>

Alternatively, if you wish to have a copy of the document sent to you, place your request by:

- Telephone to Freecall 1800 552 488 – at the prompts speak slowly and clearly and state your name and postal or email address; or
- Fax to (02) 6276 8733 – mark your fax ‘Public Comment: National List of Exemptions’ and include your name and postal or email address; or
- Email to Chemicals@dewr.gov.au – place ‘Public Comment: National List of Exemptions’ in the subject line and include your name and postal or email address in the body of the email.

Public comment closes on 21 August 2007.

4 PROPOSED VARIATIONS TO THE AUSTRALIAN INVENTORY OF CHEMICAL SUBSTANCES (AICS) FOR CERTAIN LEAD COMPOUNDS IN INDUSTRIAL SURFACE COATINGS AND INKS

In accordance with section 13A(2)(d) of the *Industrial Chemicals (Notification and Assessment) Act* 1989, the Director has received two statements giving reasons why the particulars published in the June 2007 issue of the *Chemical Gazette* for certain lead compounds in industrial surface coatings and inks should not be included in the AICS.

The statements are currently being considered and a decision will be made shortly.

The finalisation of the proposed variations to AICS and publication of the final PEC report on lead compounds in industrial surface coatings and inks will be delayed until the issues are resolved.

5 DIETHYLENE GLYCOL – CALL FOR INFORMATION

The Director of the National Industrial Chemicals Notification and Assessment Scheme (NICNAS) is seeking information under Section 48 of the *Industrial Chemicals (Notification and Assessment) Act 1989* (the Act) on **diethylene glycol (DEG) CAS No. 111-46-6** in oral cosmetic products (e.g. toothpaste and mouthwash), due to potential health concerns.

This notice is directed to all persons who have imported oral cosmetic products containing DEG during the past 12 months. Formulators of oral cosmetic products or any other persons with information on this chemical, including users, past importers or manufacturers, are also encouraged to provide this information.

Chemical Name:	2,2'-Oxybisethanol
CAS No.:	111-46-6
Other Names:	Diethylene glycol Diglycol 2,2'-Oxydiethanol 2,2'-Dihydroxydiethyl ether Glycol ether Glycoethyl ether

The information sought on **oral cosmetic products containing DEG** is:

- Name and type of oral cosmetic product(s);
- Quantities of oral cosmetic product(s) imported or manufactured during the period 1 July 2006 to 30 June 2007;
- The concentration of DEG in the product(s).

An oral cosmetic product is a substance or preparation intended for placement in contact with the mucous membranes of the oral cavity and the teeth; with a view to: altering odours; or cleansing it; or maintaining it in good condition; or perfuming it; or protecting it.'

Responses are required on the attached form. **The due date for responses is 4 September 2007.**

The penalty for non-compliance with this notice is up to \$33,000. In accordance with section 50 of the Act, the information may be accompanied by an application that some or all of the information provided be treated as exempt information. Application forms may be obtained from Alexander Szabo on 02 8577 8813 or via the NICNAS website at:

http://www.nicnas.gov.au/Forms/Existing_Chemicals/Form3_Exemption_Information_Word.doc.

A fee of \$657 applies for claims of confidentiality.

Information collected by NICNAS may be provided to State, Territory or Commonwealth regulatory agencies for the purposes of monitoring compliance under relevant legislation. All information collected is treated in accordance with strict confidentiality guidelines and in compliance with the *Privacy Act 1988*.

Further information can be obtained from Alexander Szabo (Tel: 02 8577 8813 or email alexander.szabo@nicnas.gov.au).

Please complete the appropriate forms by 4 September 2007 and forward to:

Alexander Szabo
Existing Chemicals
NICNAS
GPO Box 58
Sydney
NSW 2001

6 NICNAS REGISTRATION RENEWAL 2007-08

All importers and manufacturers of relevant industrial chemicals for commercial purposes must be registered with NICNAS prior to introducing these chemicals regardless of the amount of industrial chemicals imported and / or manufactured.

The NICNAS registration year runs from 1 September to 31 August annually. The following information relates to NICNAS registration renewals for 2007-08.

INCREASE IN REGISTRATION FEES AND CHARGES

There will be an increase in the NICNAS Registration fees and charges for registrations/renewals for the registration cycle commencing 1 September 2007. The new fee schedule is as follows:

Registration Level	Registration cost (2006-07)	New Registration cost (2007-08)
Tier 1 Level	\$367	381
Tier 2 Level	\$1,466	\$1,522
Tier 3 Level	\$8,553	\$8,881

REMINDER OF RENEWAL DEADLINE

The renewal deadline is **31 August 2007**, the date on which your old registration runs out. You must renew your registration before it expires.

In July 2007, NICNAS sent out your **Renewal Tax Invoice** and Application form for renewal of registration/ non-renewal. If you are currently registered and did not receive an Invoice by 31 July 2007, please contact NICNAS on 1800 638 528

Registrants are required to advise NICNAS of any changes to contact details contained in this invoice, where applicable.

A copy of this form is available on the NICNAS website at:

www.nicnas.gov.au/Forms/Registration.asp

PENALTIES APPLY TO LATE RENEWALS

The NICNAS registration for a company lapses if it is not renewed by the 31 August 2007 deadline. Applications received after this date will be considered late renewal applications, and subject to a late renewal penalty. The late renewal penalty is calculated at 15% of the total registration cost.

This penalty is mandatory, and payment is required in addition to the registration renewal fee before NICNAS can re-instate your registration.

A late renewal application can only be processed when both the appropriate registration fee (Tiers 1,2 & 3) and charge (Tiers 2 &3 only), and the appropriate late renewal penalty, have been paid.

The following table shows the costs for late renewals for 2007-08 registration year.

Registration Level	Late renewal penalty (rounded to nearest whole \$)
Tier 1 Level	\$57
Tier 2 Level	\$228
Tier 3 Level	\$1,332

NON RENEWALS (ie non-registrations) CARRY A RISK

It is an offence for a person to introduce (import and/or manufacture) relevant industrial chemicals without a NICNAS registration in force. The legislation provides for severe penalties for a person who introduces relevant industrial chemicals without a current registration in place.

- **For further information, please contact NICNAS on:**
 - Free call: 1800 638 528
 - Phone: (02) 8577 8800
 - Fax: (02) 8577 8888
 - Email: info@nicnas.gov.au
 - or visit our website at www.nicnas.gov.au

7 PUBLICATION SUMMARY REPORT

Sorbityl Laurate Summary Report Reference No: LTD/1276

Croda Singapore Pty Ltd (trading as Croda Australia, ABN 34 088 345 457) of 44-46 Mandarin Street Villawood NSW 2163 has submitted a limited notification statement in support of their application for an assessment certificate for Sorbityl Laurate. The notified chemical is intended to be used as a component of cosmetics and personal care products. 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 limited available data, the notified chemical is not classified as a hazardous substance in accordance with 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 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 in powdered form:
 - Local exhaust ventilation
- Employers should implement the following safe work practices to minimise occupational exposure during handling of the notified chemical as introduced in powdered form:
 - Avoid inhalation of dust
 - Avoid skin contact

- Employers should ensure that the following personal protective equipment is used by workers to minimise occupational exposure to the notified chemical in the product Arlatone LC:
 - Chemical-resistant gloves
 - Protective clothing

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 authorised landfill.

Emergency procedures

- Spills or accidental release of the notified chemical should be handled by physical collection by sweeping or shovelling into suitable containers for disposal. Wash spillage area with detergent and water.

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

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.

8 PUBLICATION SUMMARY REPORT

Glycine, N-coco acyl derivs., sodium salts (Sodium Cocoyl Glycinate) Summary Report Reference No: LTD/1306

Unilever Australia Limited (ABN 66 004 050 828) of 219 North Rocks Road, North Rocks NSW 2151 has submitted a limited notification statement in support of their application for an assessment certificate for Glycine, N-coco acyl derivs., sodium salts (Sodium Cocoyl Glycinate). The notified chemical is intended to be used as a surfactant component of skin cleansers at concentrations from 2-5% and typically at 2.6%. 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 classified as hazardous under the NOHSC *Approved Criteria for Classifying Hazardous Substances*. The classification and labelling details are:

- Xi – irritant at 5%
- R41 Risk of serious damage to eyes

The toxicological effects of the concentrated imported material (30% and 100%) are likely to be more severe.

Occupational Health and Safety

Under the conditions of the occupational settings described, the risk to workers is considered to be acceptable.

Public Health

When used in the proposed manner the risk to the public is considered to be acceptable.

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

- The Office of the ASCC, Department of Employment and Workplace Relations (DEWR), should consider the following health, hazard classification for the notified chemical at 5%:
 - R41 Risk of serious damage to the eyes
 - 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
- If the notified chemical is imported in future at higher concentrations, it should be further tested to determine the skin and eye irritation potential at these concentrations, or labelled in a precautionary manner as:
 - Corrosive R34 – Causes burns

Control Measures

Occupational Health and Safety

- Employers should implement the following engineering controls to minimise occupational exposure to the notified chemical as introduced and as diluted for use in formulating the consumer product:
 - Use in well ventilated areas
- Employers should implement the following safe work practices to minimise occupational exposure during handling of the notified chemical introduced and as diluted for use in formulating the consumer product:
 - 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 [as diluted for use in formulating the consumer product]:
 - Protective eye wear such as goggles
 - 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

- Consumer products containing the notified chemical should be labelled with a warning against eye contact, and directions on first aid measures if the product contacts the eyes.

Environment

Disposal

- The notified chemical should be disposed of to landfill.

Emergency procedures

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

Secondary Notification

This risk assessment is based on the information available at the time of notification. The Director may call for the reassessment of the chemical under secondary notification provisions based on changes in certain circumstances. Under Section 64 of the *Industrial Chemicals (Notification and Assessment) Act (1989)* the notifier, as well as any other importer or manufacturer of the notified chemical, have post-assessment regulatory obligations to notify NICNAS when any of these circumstances change. These obligations apply even when the notified chemical is listed on the Australian Inventory of Chemical Substances (AICS).

Therefore, the Director 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

Under Section 64(2) of the Act; if

- the function or use of the chemical has changed from use in wash-off products at maximum 5%, or is likely to change significantly. In this case additional toxicological data will be required including percutaneous absorption and further relevant genotoxicity testing.
- if the chemical has begun to be manufactured in Australia;
- additional information has become available to the person as to an adverse effect of the chemical on occupational health and safety, public health, or the environment;
- if any regulatory action concerning the notified chemical occurs in other jurisdictions.

The Director will then decide whether a reassessment (i.e. a secondary notification and assessment) is required.

AICS Annotation

- When the notified chemical is listed on the Australian Inventory of Chemical Substances (AICS) the entry should be annotated with the following statement(s):
 - For use in wash-off products at concentrations of $\leq 5\%$

Under Section 11(4) of the *Industrial Chemicals (Notification and Assessment) Act (1989)*, once the chemical has been entered on the inventory with the condition described above, the notified chemical may only be imported or manufactured without obtaining an assessment certificate or permit if the importation or manufacture is in accordance with this condition.

9 PUBLICATION SUMMARY REPORT

Component of ADDUCT LBK 3542 Summary Report Reference No: LTD/1318

Huntsman Advanced Materials (Australia) Pty Ltd (ABN 93 091 627 879) of Gate 3, Ballarat Road, Deer Park, Victoria 3023 has submitted a limited notification statement in support of their application for an assessment certificate for Component of ADDUCT LBK 3542. The notified polymer is intended to be used as a component of a two-part epoxy resin coating system. 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

Based on the available data the notified polymer cannot be classified as hazardous under the *Approved Criteria for Classifying Hazardous Substances* [NOHSC:1008(2004)].

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 use 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

Regulatory Controls

Health Surveillance

- As the notified polymer could be a potential sensitizer, employers should carry out health surveillance for any worker who has been identified in the workplace risk assessment as having a significant risk of sensitisation.

Control Measures

Occupational Health and Safety

- Appropriate engineering controls, work practices and personal protective equipment should be used to prevent skin and eye contact of workers to the notified polymer as introduced and in formulated products.

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 *Approved Criteria for Classifying Hazardous Substances* [NOHSC:1008(2004)], workplace practices and control procedures consistent with provisions of State and Territory hazardous substances legislation must be in operation.

Disposal

- The product containing the notified polymer should be disposed of by landfill or incineration.

Storage

- Keep away from food, drink and animal feed stuffs
- Keep container tightly closed
- Keep at temperature between 18-40°C

Emergency procedures

- Spills/release of the product containing the notified polymer should be handled by collecting into closed containers for disposal, as industrial waste.

Secondary Notification

The Director of NICNAS 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.

10 PUBLICATION SUMMARY REPORT

Polymer in DUROXYN VEF 2406w/45WA Summary Report Reference No: LTD/1321

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 limited notification statement in support of their application for an assessment certificate for Polymer in DUROXYN VEF 2406w/45WA. The notified polymer is intended to be used as a component of coating products. Up to 50 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

As no toxicological data have been submitted the notified polymer cannot be classified under the NOHSC *Approved Criteria for Classifying Hazardous Substances*.

Occupational Health and Safety

Under the conditions of the occupational settings described, the risk to workers is considered to be acceptable.

Public Health

When used in the proposed manner the risk to the public is considered to be acceptable.

Environmental Effects

On the basis of the low potential for aquatic exposure and its reported use pattern, the notified polymer is not considered to pose a risk to the environment.

RECOMMENDATIONS

Control Measures

Occupational Health and Safety

- Employers should implement the following safe practices to minimise occupational exposure during handling of products containing the notified polymer:
 - Avoid breathing spray.
 - Use of spray paints containing the notified chemical should be accordance with the NOHSC National Guidance Material for Spray Painting (NOHSC, 1999) or relevant State and Territory Codes of Practice.
 - Avoid skin and eye contact, especially when manual applications occur and no spray booths are available.

- Employers should ensure that the following personal protective equipment is used by workers to minimise occupational exposure to products containing the notified polymer:
 - 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 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 notified polymer should be disposed of by incineration or to landfill.
- Spills or accidental release of the notified polymer should be handled by physical containment, collection and subsequent safe disposal.

Secondary Notification

This risk assessment is based on the information available at the time of notification. The Director may call for the reassessment of the polymer under secondary notification provisions based on changes in certain circumstances. Under Section 64 of the *Industrial Chemicals (Notification and Assessment) Act (1989)* the notifier, as well as any other importer or manufacturer of the notified polymer, have post-assessment regulatory obligations to notify NICNAS when any of these circumstances change. These obligations apply even when the notified polymer is listed on the Australian Inventory of Chemical Substances (AICS).

Therefore, the Director must be notified in writing within 28 days by the notifier, other importer or manufacturer:

Under Section 64(1) of the Act; if

- the polymer has a number-average molecular weight of less than 1000.

or

Under Section 64(2) of the Act; if

- the function or use of the polymer has changed from coating, or is likely to change significantly;
- the amount of polymer being introduced has increased from more than 50 tonnes, or is likely to increase, significantly;
- if the polymer has begun to be manufactured in Australia;

- additional information has become available to the person as to an adverse effect of the polymer on occupational health and safety, public health, or the environment.

The Director will then decide whether a reassessment (i.e. a secondary notification and assessment) is required.

11 PUBLICATION SUMMARY REPORT

Acrylate Ester in Sartomer CD 278 Summary Report Reference No: LTD/1322

T.R. (Chemicals Australia) Pty Ltd (ABN: 57 001 268 006) of 262 Highett Road, Highett VIC 3190 has submitted a limited notification statement in support of their application for an assessment certificate for Acrylate ester in Sartomer CD278. The notified chemical is intended to be used as an additive in the manufacture of printing plates. 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 potential for skin irritation and sensitisation, and classification performed by the notifier, the notified chemical is classified as hazardous under the *Approved Criteria for Classifying Hazardous Substances* (NOHSC, 2004):

- R36/37/38: Irritating to eyes, respiratory system and skin
- R43: May cause sensitisation by skin contact.

Occupational Health and Safety

Under the conditions of the occupational settings described, the risk to workers is considered to be acceptable.

Public Health

When used in the proposed manner the risk to the public is considered to be acceptable.

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

Regulatory Controls

Hazard Classification and Labelling

- The Office of the ASCC, Department of Employment and Workplace Relations (DEWR), should consider the following health hazard classification for the notified chemical:
 - R36/37/38: Irritating to eyes, respiratory system and skin
 - R43: May cause sensitisation by skin contact.
- The following safety phases for the notified chemical are recommended:
 - S25: Avoid contact with eyes
 - S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

- S24: Avoid contact with skin
- S28: After contact with skin, wash immediately with plenty of water.
- Use the following risk phrases for products/mixtures containing the notified chemical:
 - concentration \geq 10%: R36/37/38 (based on HSIS, 2007, listing for acrylates)
 - concentration \geq 1%: R43

Health Surveillance

- As the notified chemical presents a sensitisation health hazard, employers should carry out health surveillance for any worker who has been identified in the workplace risk assessment as having a significant risk of sensitisation.

Control Measures

Occupational Health and Safety

- Employers should implement the following engineering controls to minimise occupational exposure to the notified chemical:
 - Local exhaust ventilation should be in place during all operations involving handling of the notified chemical.
- Employers should implement the following safe work practices to minimise occupational exposure during handling of the notified chemical:
 - Avoid contact with eyes and skin.
 - Avoid aerosol formation.
- Employers should ensure that the following personal protective equipment is used by workers to minimise occupational exposure to the notified chemical:
 - Gloves.
 - Safety goggles.
 - Protective clothing.

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 *Approved Criteria for Classifying Hazardous Substances* [NOHSC:1008(2004)], workplace practices and control procedures consistent with provisions of State and Territory hazardous substances legislation must be in operation.

Environment

Disposal

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

Storage

- The following precautions should be taken regarding storage of the notified chemical:
 - Storage in accordance with the *National Standard for the Storage and Handling of Workplace Dangerous Goods* [NOHSC:1015(2001)] for C1 combustible liquids.

Emergency procedures

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

Regulatory Obligations

This risk assessment is based on the information available at the time of notification. The Director may call for the reassessment of the chemical under secondary notification provisions based on changes in certain circumstances. Under Section 64 of the *Industrial Chemicals (Notification and Assessment) Act (1989)* the notifier, as well as any other importer or manufacturer of the notified chemical, have post-assessment regulatory obligations to notify NICNAS when any of these circumstances change. These obligations apply regardless of whether the notified chemical has been listed on the Australian Inventory of Chemical Substances (AICS).

Therefore, the Director 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

or

Under Section 64(2) of the Act; if

- the function or use of the notified chemical has changed from use in the manufacture of printing plates, or is likely to change significantly;
- if the chemical has begun to be manufactured in Australia;
- additional information has become available to the person as to an adverse effect of the notified chemical on occupational health and safety, public health, or the environment.

The Director will then decide whether a reassessment (i.e. a secondary notification and assessment) is required.

No additional secondary notification conditions are stipulated.

12 PUBLICATION SUMMARY REPORT

Acrybase FCA-N3 Summary Report Reference No: LTD/1328

Cintox Pty Ltd (ABN 85 096 197 885) of 121 Carlton Crescent, Summer Hill NSW 2130 has submitted a limited notification statement in support of their application for an assessment certificate for Acrybase FCA-N3. The notified polymer is intended to be used as a component in photocopier and printer toner at concentrations < 5%. Up to three 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

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

Under the conditions of the occupational settings described, the risk to workers is considered to be acceptable.

Public Health

When used in the proposed manner the risk to the public is considered to be acceptable.

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 safe work practices to minimise occupational exposure during handling of the notified chemical as used in the product inks:
 - Printers should be located in well-ventilated areas;
 - Avoid spillage of toner and generating of dust particles during maintenance
- Employers should ensure that the following personal protective equipment is used by workers to minimise occupational exposure to the notified chemical as used in the product inks:
 - Protective gloves

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

- Atmospheric monitoring should be conducted by employers to measure workplace concentrations of nuisance dust during use of the products containing the notified polymer. 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 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

- Do not allow material or contaminated packaging to enter drains, sewers or water courses

Disposal

- The notified polymer should be disposed of in landfill.

Storage

- Store in a cool dry place and away from direct sunlight.

Emergency procedures

- Spills/release of the notified polymer should be handled by collecting the cartridge intact and landfilled.
- Contain the spill and collect using a vacuum cleaner.
- Place waste in suitable sealed containers and follow state or local regulation for the disposal of the waste.

Secondary Notification

This risk assessment is based on the information available at the time of notification. The Director may call for the reassessment of the chemical under secondary notification provisions based on changes in certain circumstances. Under Section 64 of the *Industrial Chemicals (Notification and Assessment) Act (1989)* the notifier, as well as any other importer or manufacturer of the notified chemical, have post-assessment regulatory obligations to notify NICNAS when any of these circumstances change. These obligations apply even when the notified chemical is listed on the Australian Inventory of Chemical Substances (AICS).

Therefore, the Director must be notified in writing within 28 days by the notifier, other importer or manufacturer:

Under Section 64(1) of the Act; if

- the polymer has a number-average molecular weight of less than 1000

or

Under Section 64(2) of the Act; if

- the function or use of the chemical has changed from component in printing inks, or is likely to change significantly;
- if the chemical has begun to be manufactured in Australia;
- additional information has become available to the person as to an adverse effect of the chemical on occupational health and safety, public health, or the environment.

The Director will then decide whether a reassessment (i.e. a secondary notification and assessment) is required.

13 PUBLICATION SUMMARY REPORT

EFKA-8530 Summary Report Reference No: STD/1119

Ciba Specialty Chemicals Pty Limited (ABN 97 005 061 469) of 235 Settlement Road, Thomastown, VIC 3074 and Multichem Pty Ltd (ABN 47 006 115 886) of Suite 6, 400 High Street, Kew, VIC 3101 have submitted a standard notification statement in support of their application for an assessment certificate for EFKA-8530. The notified polymer is intended to be used as paint additive in the automotive industry. 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

Based on the available analogue data and studies on the notified polymer, it is classified as hazardous under the *Approved Criteria for Classifying Hazardous Substances*. The classification and labelling details are:

R36/38: Irritating to eyes and skin
R43 May cause sensitisation by skin contact

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 automotive paints.

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

- Based on test and analogue data, the notifier should apply the following health hazard classification for the notified polymer:
 - Xi: R36/38 Irritating to eyes and skin
 - Xi: R43 May cause sensitisation by skin contact
- Use the following risk phrases for products/mixtures containing the notified chemical:
 - 20% \geq R36/38, R43
 - 1% \geq conc < 20%, R43

Control Measures

Occupational Health and Safety

- Employers should implement the following isolation and engineering controls to minimise occupational exposure to the notified polymer:
 - Closed tanks and lines for formulation and filling of paint containing the notified polymer;
 - Use of engineering controls in spray painting to minimise exposure of workers.
- Employers should implement the following safe work practices to minimise occupational exposure during handling of the notified polymer:
 - Avoid splashing, spills and generation of aerosols during formulation and filling processes;
 - Spray application of paint containing the notified polymer should be in accordance with the *National Guidance Material for Spray Painting* (NOHSC, 1999b)
 - Workers using spray products containing the notified polymer should be instructed in their proper handling and use, including information about the additional risks posed by spray application.
- Employers should ensure that the following personal protective equipment is used by workers to minimise occupational exposure to the notified polymer:
 - Protective gloves
 - Safety glasses or goggles
 - Industrial clothing
 - Respiratory protection during spray painting, or if aerosols are formed
 - Full body protection during spray painting

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.
- As potential for skin sensitisation exists, the notifier's MSDS should be provided to the authorised medical practitioner responsible for health surveillance in the workplace.
- If products and mixtures containing the notified chemical are classified as hazardous to health in accordance with the *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 paint manufactures and warehouse sites to minimise environmental exposure during paint formulation and storage of the notified chemical:
 - All process equipment and storage areas should be bunded.

Disposal

- The notified chemical 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 handled by collecting spillage, where practicable, using absorbent material and place into labelled containers for disposal.
- Do not allow to enter drains, groundwater, watercourses or soil.

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

- there are any changes to the use pattern which significantly increase the potential for aquatic exposure eg use in paint for architectural or home handyman use;
- the notified polymer is used at > 5%;
- import volume of the notified polymer exceeds 3 tonnes per year; or
- adverse skin sensitisation effects during use are reported.

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

Desmophen NH 1420 Summary Report Reference No: STD/1215

Bayer Australia Ltd (ABN 22 00 138 714) of 500 Wellington Road, Mulgrave VIC 3170 and Akzo Nobel Pty Ltd (trading as International Protective Coatings) (ABN 59 000 119 424) of 115 Hyde Road, Yeronga QLD 4104 have submitted a standard notification statement in support of their applications for assessment certificates for Desmophen NH 1420. The notified chemical is intended to be used as amino functional reactive thinner for low VOC two component polyurethane/urea paint systems for maintenance, automotive and light industrial applications. Up to 300 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:

- (Xi) Irritant: R43 May cause sensitisation by skin contact

As the notified chemical is classified as a skin sensitiser and there is potential for inhalation exposure during spraying, the following classification and labelling details should also be used as a precautionary measure:

- (Xn) Harmful R42 May cause sensitisation by inhalation

Occupational Health and Safety

Paint Formulation, Automotive and Floor Coating Application

There is Moderate Concern to occupational health and safety under the conditions of the occupational settings described due to the potential for skin and respiratory sensitisation. This concern is reduced by the use of engineering controls and recommended PPE.

Maintenance Applications (metal or concrete substrates)

There is High Concern to occupational health and safety under the conditions of the occupational settings described due to the potential for skin and respiratory sensitisation and the lack of hierarchy of controls.

Public Health

Automotive and Floor Coating Application

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

Maintenance Applications (metal or concrete substrates)

There is No Significant Concern to public health when used in the proposed manner however the risk of a sensitisation response cannot be ruled out.

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

- The ASCC Chemicals Standards Sub-committee should consider the following health hazard classification for the notified chemical:
 - R43 May cause sensitisation by skin contact.
- Use the following risk phrases for products/mixtures containing the notified chemical:
 - Conc \geq 1%: R43 May cause sensitisation by skin contact
 - Conc \geq 1%: R42 May cause sensitisation by inhalation
- The following safety phrases should appear on the MSDS and label for the notified chemical:
 - S23 Do not breathe spray
 - S24 Avoid skin contact
 - S36/37 Wear suitable protective clothing/gloves
 - S51: Use only in well-ventilated areas

Health Surveillance

- As the notified chemical is a skin sensitiser and potential respiratory sensitiser, employers should carry out health surveillance for any worker who has been identified in the workplace risk assessment as having a significant risk of sensitisation. Workers who become sensitised to the notified chemical should be transferred to another workplace/not continue to handle the chemical.

Control Measures

Occupational Health and Safety

- Employers should implement the following engineering controls to minimise occupational exposure to the notified chemical as introduced and in the formulated paint product:
 - Avoid generation of aerosols during paint formulation and preparation
 - Spray application should be carried out in an enclosed automated spray booth, except where not practicable
- Employers should implement the following safe work practices to minimise occupational exposure during handling of the notified chemical as introduced and in the formulated paint product:
 - Avoid skin and eye contact
 - Avoid breathing spray

- Use of spray paints containing the notified chemical should be accordance with the NOHSC National Guidance Material for Spray Painting (NOHSC, 1999) or relevant State and Territory Codes of Practice.
- Proper induction training and general training of workers about the potential hazards of spraying with paint containing the notified chemical and in the safe work practices to minimise exposure
 - Restrict access to spray painting areas
 - Care must be taken to avoid exposure to spray drift
- Employers should ensure that the following personal protective equipment is used by workers to minimise occupational exposure to the notified chemical as introduced and in the formulated paint product:
 - Impermeable gloves;
 - Coveralls;
 - Eye protection;
 - Suitable respirators where inhalation exposure is possible

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

- Atmospheric monitoring should be conducted to measure workplace concentrations of the notified chemical during outdoor spray application of paint containing the notified chemical to large areas. It is recommended that this monitoring is combined with health surveillance monitoring.
- The notified chemical as introduced should be handled consistent with provisions of State and Territory legislation regarding the Handling of Combustible and Flammable Liquids.
- 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 employer should implement measures to minimise public exposure to the notified chemical during outdoor spray application, including:
 - establishment of an appropriate spray paint exclusion zone
 - public access to applied areas must be restricted until the paint is completely dry
 - restriction of spraying under certain weather conditions to minimise spray drift e.g. high winds
 - conduct of spraying away from the boundary to adjacent premises or where car parks and other sensitive property is located.

Environment

- The following control measures should be implemented by end users to minimise environmental exposure during use of the notified chemical:
 - Do not allow material or contaminated packaging to enter drains, sewers or water courses.

Disposal

- Wastes generated during industrial application should be disposed of through a licensed waste contractor.

Storage

- The notified chemical as introduced should be stored consistent with provisions of State and Territory legislation regarding the Storage of Combustible and Flammable Liquids.

Emergency procedures

- Spills/release of the notified chemical should be handled by absorbing onto an inert material, scooping up and placing in marked 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(1) of the Act; if

- any atmospheric monitoring data for spray application becomes available.
- any health surveillance data for the notified chemical/analogue 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.

15 PUBLICATION SUMMARY REPORT

Chemical in CP 8055 Summary Report Reference No: STD/1251

Oronite Australia Pty Ltd (ABN: 16 101 548 716) of Level 10, 45 William Street, Melbourne VIC 3000 has submitted a standard notification statement in support of their application for an assessment certificate for Chemical in CP 8055. The notified chemical is intended to be used as a detergent additive in formulations for marine engine oils. Up to 100 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 *Approved Criteria for Classifying Hazardous Substances*. The classification and labelling details are:

- R38 Irritating to skin
- R43 May cause sensitisation by skin contact

Occupational Health and Safety

Under the conditions of the occupational settings described, the risk to workers is considered to be acceptable, providing appropriate control measures are in place to minimise skin exposure.

Public Health

When used in the proposed manner the risk to the public is considered to be acceptable.

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

- The Office of the ASCC, Department of Employment and Workplace Relations (DEWR), should consider the following hazard classification for the notified chemical:
 - R43 May cause sensitisation by skin contact
 - R38 Irritating to skin
- The following safety phrases for the notified chemical are recommended:
 - S24: Avoid contact with skin
 - S28: After contact with skin, wash immediately with plenty of water.

- Use the following risk phrases for products/mixtures containing the notified chemical:
 - concentration \geq 1%: R43
 - concentration \geq 20%: R38, R43

Health Surveillance

- As the notified chemical is a sensitisation health hazard, employers should carry out health surveillance for any worker who has been identified in the workplace risk assessment as having a significant risk of sensitisation.

Control Measures

Occupational Health and Safety

- Employers should implement the following safe work practices to minimise occupational exposure during handling of the notified chemical:
 - Avoid contact with eyes and skin.
- Employers should ensure that the following personal protective equipment is used by workers to minimise occupational exposure to the notified chemical:
 - Gloves
 - Safety glasses
 - Protective clothing

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 *Approved Criteria for Classifying Hazardous Substances* (NOHSC:1008(2004)), workplace practices and control procedures consistent with provisions of State and Territory hazardous substances legislation must be in operation.

Environment

Disposal

- Recycle the material or dispose of according to local laws and regulations.

Storage

- The following precautions should be taken regarding storage of the notified chemical:
 - Storage in accordance with the National Standard for the Storage and Handling of Workplace Dangerous Goods (NOHSC 2001) for C2 combustible liquids.

Emergency procedures

- Spills or accidental release of the notified chemical should be contained and placed in suitable containers for disposal.

Secondary Notification

This risk assessment is based on the information available at the time of notification. The Director may call for the reassessment of the chemical under secondary notification provisions based on changes in certain circumstances. Under Section 64 of the *Industrial Chemicals (Notification and Assessment) Act (1989)* the notifier, as well as any other importer or manufacturer of the notified chemical, have post-assessment regulatory obligations to notify NICNAS when any of these circumstances change. These obligations apply even when the notified chemical is listed on the Australian Inventory of Chemical Substances (AICS).

Therefore, 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

- the function or use of the chemical has changed from marine engine oils, or is likely to change significantly;
- the amount of chemical being introduced has increased from 100 tonnes per annum, or is likely to increase, significantly;
- if the chemical has begun to be manufactured in Australia;
- additional information has become available as to an adverse effect of the chemical on occupational health and safety, public health, or the environment.

The Director will then decide whether a reassessment (i.e. a secondary notification and assessment) is required.

No additional secondary notification conditions are stipulated.

16 PUBLICATION SUMMARY REPORT

**Dabco NE300
Summary Report
Reference No: STD/1252**

IMCD Australia Limited (ABN 44 000 005 578) of Level 1 372 Wellington Rd Mulgrave VIC 3170 has submitted a standard notification statement in support of their application for an assessment certificate for Dabco NE300. The notified chemical is intended to be used as a non-fugitive amine catalyst used in production of polyurethane foam. The notified chemical is transferred to and mixed with other ingredients in a day tank before being combined with isocyanate. The resulting polyurethane foam is introduced to moulds or to a continuous enclosed conveyor to produce a rectangular prism which is then cut and shaped as required. Up to 5 tonnes of the notified chemical will be imported per annum for each of the first five years.

Hazard classification

Based on the available data the notified chemical is classified as hazardous under the *Approved Criteria for Classifying Hazardous Substances* [NOHSC:1008(2004)]. The classification and labelling details are:

- R22 Harmful if swallowed
- R34 Causes burns
- R43 May cause sensitisation by skin contact

Occupational health and safety

Under the conditions of the occupational settings described, the risk to workers is considered to be acceptable.

Public health

When used in the proposed manner the risk to the public is considered to be acceptable.

Environmental risk assessment

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**Regulatory Controls***Hazard Classification and Labelling*

- The Office of the ASCC, Department of Employment and Workplace Relations (DEWR), should consider the following health hazard classification for the notified chemical:
 - R22 Harmful if swallowed
 - R34 Causes burns
 - R43 May cause sensitisation by skin contact

- Use the following risk phrases for products/mixtures containing the notified chemical:
 - $\geq 25\%$ R22, R34, R43
 - $\geq 10\%$: R34, R43
 - $\geq 5\%$, $< 10\%$: R36, R38, R43
 - $\geq 1\%$: R43.
- The notified chemical should be classified as follows under the ADG Code:
 - Class 8 (Corrosive)

Health Surveillance

- As the notified chemical is a skin sensitiser, employers should carry out health surveillance for any worker who has been identified in the workplace risk assessment as having a significant risk of sensitisation.

Control Measures

Occupational Health and Safety

- Employers should implement the following engineering controls to minimise occupational exposure to the notified chemical as introduced:
 - Automated chemical transfer apparatus.
 - Exhaust ventilation during polyurethane foam manufacture.
- Employers should implement the following safe work practices to minimise occupational exposure during handling of the notified chemical as introduced:
 - Procedures designed to minimise spillage during transfer operations together with adequate clean up and disposal.
- Employers should ensure that the following personal protective equipment is used by workers to minimise occupational exposure to the notified chemical as introduced:
 - Gloves, goggles or faceshield and workwear impervious to the notified chemical

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 *Approved Criteria for Classifying Hazardous Substances* [NOHSC:1008(2004)], 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 foam manufacturer to minimise environmental exposure during use of the notified chemical:
 - Do not allow the chemical to enter any stormwater drains or natural water bodies.

Disposal

- The notified chemical should be disposed of to landfill or, if available, by incineration.

Emergency procedures

- Spills or accidental release of the notified chemical should be handled by containment, collected by an appropriate absorbent, placed in a labelled and sealable container ready for disposal.

REGULATORY OBLIGATIONS

This risk assessment is based on the information available at the time of notification. If the circumstances under which the notified chemical was assessed change a reassessment may be needed. Under the *Industrial Chemicals (Notification and Assessment) Act (1989)* the notifier, as well as any other importer or manufacturer of the notified chemical, have post-assessment regulatory obligations to notify NICNAS when any of these circumstances change. These obligations apply even when the notified chemical is listed on the Australian Inventory of Chemical Substances (AICS).

Therefore, the Director of NICNAS must be notified in writing within 28 days by the notifier, other importer or manufacturer:

Under Section 64(2) of the Act; if

- the function or use of the chemical has changed from polyurethane manufacture, or is likely to change significantly;
- the amount of chemical being introduced has increased to more than 5 tonnes per annum, or is likely to increase, significantly;
- if the chemical has begun to be manufactured in Australia;
- additional information has become available to the person as to an adverse effect of the chemical on occupational health and safety, public health, or the environment.

The Director will then decide whether a reassessment (i.e. a secondary notification and assessment) is required.

No additional secondary notification conditions are stipulated.

17 PUBLICATION SUMMARY REPORT

Siloxane derivative in SilCare Silicone SEA / Siloxane derivative in Sandoperm SE1 Oil **Summary Report** **Reference No: PLC/662**

Clariant (Australia) Pty Ltd (ABN 30 069 435 552) of 675 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 Siloxane derivative in SilCare Silicone SEA / Siloxane derivative in Sandoperm SE1 Oil. The notified polymer is intended to be used as a textiles finishing agent and as a component in cosmetic hair care and skin care 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. This is supported by toxicological endpoints observed in testing conducted on the notified polymer solution (60-90% polymer).

Hazardous monomers are present only at low levels, below the cut-off concentration for classification as a hazardous substance 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 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

- 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 blended products:
 - Avoid skin 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, and as diluted for use in blended products:
 - 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 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 formulators and dyehouses to minimise environmental exposure during formulation and use of the notified polymer:
 - The notified polymer should be prevented from entering drains or water courses.

Disposal

- The notified polymer should be either recycled or disposed of to landfill.

Emergency procedures

- Spills/ accidental release of the notified polymer should be handled by absorbing with a liquid binding material e.g. sand, soil or diatomaceous earth.

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.

18 PUBLICATION SUMMARY REPORT

**NT-40
Summary Report
Reference No: PLC/704**

Canon Australia Pty Ltd (ABN: 66 005 002 951) of 1 Thomas Holt Drive, North Ryde NSW 2113 and Hewlett-Packard Australia Pty Ltd (ABN: 74 004 394 763) of 31-41 Joseph Street Blackburn, VIC 3130 has submitted a polymer of low concern (PLC) notification statement in support of their application for an assessment certificate for NT-40. The notified polymer is intended to be used as a component of printing inks. 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. This is supported by toxicological endpoints observed in testing conducted on the notified polymer at 100% concentration.

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

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 and/or accidental 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.

19 PUBLICATION SUMMARY REPORT

**Polymer in Versaflex® ONE
Summary Report
Reference No: PLC/705**

National Starch & Chemical Pty Ltd (ABN: 37 000 351 806) of 7 Stanton Road Seven Hills NSW 2147 has submitted a polymer of low concern (PLC) notification statement in support of their application for an assessment certificate for Polymer in Versaflex®ONE. The notified polymer is intended to be used as an additive for scale and deposit control in industrial water treatment. The notified polymer will be imported in an aqueous solution and reformulated into a water treatment solution in 1 000 L Intermediate Bulk Containers which are in turn shipped to customers who will connect them to a closed system containing the water to be treated. 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**

No toxicological data were submitted. 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 *Approved Criteria for Classifying Hazardous Substances* [NOHSC:1008(2004)], workplace practices and control procedures consistent with provisions of State and Territory hazardous substances legislation must be in operation.

Environment

Disposal

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

Emergency procedures

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

Secondary Notification

The Director of NICNAS 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

**Polymer in Micronal PCM Product
Summary Report
Reference No: PLC/707**

BASF Australia Ltd (ABN 62 008 437 867) of Kororoit Creek Road, Altona VIC 3018 has submitted a polymer of low concern (PLC) notification statement in support of their application for an assessment certificate for Polymer in Micronal PCM Product. The notified polymer functions as an external shell making up a microscopic polymer encapsulating a wax core. The products which use the notified polymer can be employed in conventional building materials such as plaster, plasterboard, flooring compounds and agricultural paints to boost their thermal capacity and smooth out temperature fluctuations. Up to 25 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 toxicology data have been provided for the notified polymer, but as it is notified under the PLC criteria, it can be considered to be of low hazard. The notified polymer is likely to be not bioavailable and non-toxic, due to its probable very high molecular weight, cross-linking and water insolubility. The main risk of adverse health effects presented by the notified polymer is from its small particle size.

Most of the notified polymer in powder form will be in the respirable range (<10 µm). The health effects of inhalation exposure to the notified polymer are unknown. The notified polymer is unlikely to be absorbed from the lung, so deposition in the deep lung is probable, combined with an inability of the lungs to dislodge the particles. Inhaled particulates are known to interfere with cell function in the airways, causing inflammatory-like reactions. Therefore, bronchial or pulmonary irritation is possible following inhalation exposure to particles containing the notified polymer, arising from deposition of water-insoluble particles in the lung. The US EPA have similarly expressed concern regarding high molecular weight (70,000 Da or greater) insoluble polymer particles of respirable size, as they can potentially result in irreversible lung damage.

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

While an environmental endpoint indicates that the notified polymer may be harmful to aquatic organisms, given the lack of release to the aquatic environment, 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 during the application process where dust may be generated:
 - Use of LEV when handing the notified polymer in powder form
 - Application processes should be carried out in spray booths designed to include the use of LEV
 - Avoid the formation of airborne dusts

- Employers should ensure that the following personal protective equipment is used by workers to minimise occupational exposure to the notified polymer during the application where dust may be generated:
 - Use of a dust mask or respirator (adequate for respirable particle sizes) when handing notified polymer in powder form
 - Use of a mask or respirator (adequate for respirable particle sizes) while cleaning up dust residues with an industrial vacuum cleaner and emptying and cleaning of the industrial vacuum cleaner
 - Use of gloves, safety goggles and overalls

- In the interest of occupational health and safety, the following guidelines and precautions should be observed for use of the notified polymer as introduced in powder form
 - The level of atmospheric nuisance dust should be maintained as low as possible. The ASCC exposure standard for atmospheric dust is 10 mg/m³ (REF).

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 landfill.

Emergency procedures

- Spills and/or accidental 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.

21 PUBLICATION SUMMARY REPORT

**NT-39
Summary Report
Reference No: PLC/708**

Canon Australia Pty Ltd (ABN 66 005 002 951) of 1 Thomas Holt Drive, North Ryde NSW 2113 and Hewlett-Packard Australia Pty Ltd (ABN 74 004 394 763) of 31-41 Joseph St, Blackburn VIC 3130 have submitted a polymer of low concern (PLC) notification statement in support of their application for an assessment certificate for NT-39. The notified polymer is intended to be used as an ingredient of toner for Electro-Photographic printers. 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.

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.

- Service personnel should wear cotton or disposable gloves and ensure adequate ventilation is present when removing spent printer cartridges containing the notified polymer and during routine maintenance and repairs.
- 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 and/or accidental 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.

22 PUBLICATION SUMMARY REPORT

Polymer in GEROPON HW 15 Summary Report Reference No: PLC/709

Rhodia Australia Pty Ltd (ABN 24 050 029 000) of 352 Ferntree Gully Road, Clayton VIC 3168 has submitted a polymer of low concern (PLC) notification statement in support of their application for an assessment certificate for Polymer in GEROPON HW 15. The notified polymer is intended to be used as a component, at a concentration of < 20%, in metal cutting fluids. Up to 60 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 were submitted. 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 *Approved Criteria for Classifying Hazardous Substances* [NOHSC:1008(2004)], workplace practices and control procedures

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

Environment

Disposal

- The notified polymer should be disposed of by incineration.

Emergency procedures

- Dike spill using absorbent or inert materials such as earth, dry sand, vermiculite or other inert materials to prevent run-off into drains and waterways. Clean up spill area using non-sparking tools or HEPA vacuum system into an appropriate closed container for later disposal. Collect and contain contaminated absorbent and dike material for disposal. Clean up residual material by washing area with water. Collect any cleaning water for subsequent disposal through a licensed waste disposal contractor. Do not flush to drains, waterways or sewers.

Secondary Notification

The Director of NICNAS 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

**Arolon 881
Summary Report
Reference No: SAPLC/66**

DIC Australia Pty Ltd (ABN 12 000 079 550) of 323 Chisholm Rd Auburn NSW 2144 has submitted a polymer of low concern (PLC) notification statement in support of their application for a self-assessed assessment certificate for Polymer in Arolon 881. The notified polymer is intended to be used as a component of clear and semi-transparent timber coatings. The notified polymer is to be imported in an aqueous dispersion and reformulated into timber coating for DIY and industrial use. 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.

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 landfill.
- Empty containers should be sent to local recycling or waste disposal facilities.

Emergency procedures

- Spills/release of the imported product containing the notified polymer not be allowed into drains or waterways. Spills should be handled by absorbing with sand or other inert absorbent material and put into suitable container 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 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 Miralan HTP Summary Report Reference No: EX/98

Ciba Specialty Chemicals Pty Limited (ABN 97 005 061 469) of 235 Settlement Road, Thomastown, VIC, 3074 submitted a standard notification statement in support of their application for an assessment certificate for Polymer in Miralan HTP. The notified polymer is intended to be used as a processing aid in the textile dyeing industry. The certificate for the original assessment is now held by Huntsman Corporation Australia Pty Ltd (ABN 67 083 984 187).

Since the assessment certificate has been granted for the above notified polymer, Chemiplas Australia Pty Ltd (ABN 29 003 056 808) of Level 3, 112 Wellington Parade, East Melbourne VIC 3002 has submitted a supplementary information statement in support of their application for extension of the original assessment certificate (No. 1996, STD/1117) together with a written agreement of the current holder of the original certificate, Huntsman Corporation Australia Pty Ltd. The use of the notified chemical will be as above.

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

Due to the limited toxicological data for the notified polymer, only eye irritation can be classified as hazardous in accordance with the *Approved Criteria for Classifying Hazardous Substances* [NOHSC:1008(2004)]. The classification and labelling details are:

- R36 Irritating to eyes

Based on the assumption that analogue data are acceptable and indicative of toxicity of the notified polymer, the following additional classification and labelling should apply:

- R43 May cause sensitisation by skin contact

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

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

Regulatory Controls

Hazard Classification and Labelling

- The Australian Safety and Compensation Council Chemicals Standards Subcommittee should consider the following health hazard classification for the notified polymer:
 - R36 Irritating to eyes
- Based on analogue data, the notifier should give the notified polymer the following additional health hazard classification:
 - R43 May cause sensitisation by skin contact
- Use the following risk phrases for products/mixtures containing the notified polymer:
 - Conc \geq 20%: R36, R43
 - 1% \leq conc < 20%: R43

Health Surveillance

As the notified polymer is a potential skin sensitiser, employers should carry out health surveillance for any worker who has been identified in the workplace risk assessment as having a significant risk of sensitisation.

Control Measures

Occupational Health and Safety

- Employers should implement the following safe work practices to minimise occupational exposure during handling of, the notified polymer as introduced, the dye solution containing the notified polymer and wet textiles treated with the notified polymer:
 - Avoid skin and eye contact
- Employers should ensure that the following personal protective equipment is used by workers to minimise occupational exposure during handling of, the notified polymer as introduced, the dye solution containing the notified polymer and wet textiles treated with the notified polymer:
 - Protective eyewear, chemical resistant industrial clothing and 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 polymer are classified as hazardous to health in accordance with the *Approved Criteria for Classifying Hazardous Substances* [NOHSC:1008(2004)], workplace practices and control procedures

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

Disposal

- The notified polymer and chemical waste should be disposed of by incineration.

Emergency procedures

- Spills/release of the notified polymer should be handled by containing the spill and absorbing the spilled material in absorbent material (eg. sand, earth). Scoop into labelled containers and seal for appropriate disposal as chemical waste.

Secondary Notification

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

Under Section 64(2) of the Act; if

- the function or use of the chemical has changed from a processing aid used in the textile dyeing industry, or is likely to change significantly;
- the amount of chemical being introduced has increased from 30 tonnes per annum, or is likely to increase, significantly;
- if the chemical has begun to be manufactured in Australia;
- additional information has become available to the person as to an adverse effect of the chemical on occupational health and safety, public health, or the environment.

The Director will then decide whether a reassessment (i.e. a secondary notification and assessment) is required.

No additional secondary notification conditions are stipulated.

25 ACCESS TO FULL PUBLIC REPORT

NICNAS publishes a Full Public Report for each new chemical assessed. These reports are available for inspection at our NICNAS office by appointment only at 334-336 Illawarra Road, Marrickville NSW 2204.

Reports can also be viewed and downloaded free of charge from our website at <http://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 8870 or fax: (02) 8577 8888.

26 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
776 (Renewal)	Symrise Pty Ltd	2099	Cyclohexadecanone	ND	Fragrance ingredient	21.6.2007
777	Canon Australia Pty Ltd	2113	C-CI	ND	Component of inkjet printer ink	25.6.2007
778	Combe International Ltd	3144	Ethanol, 2-(2, 4-diaminophenoxy)-, sulfate (1:1) salt	Yes	Component of an oxidative hair dye formulation	27.6.2007
779 (Renewal)	Firmenich Ltd	2093	Walnut Ester	Yes	Fragrance ingredient	18.7.2007
780 (Renewal)	Firmenich Ltd	2093	Firwood	Yes	Fragrance ingredient	16.7.2007
781 (Renewal)	International Flavours & Fragrances Aust P/L	3175	Ysamber K	ND	Fragrance ingredient	17.7.2007
782 (Renewal)	International Flavours & Fragrances Aust P/L	3175	Ambrocenide 10	ND	Fragrance ingredient	19.7.2007

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

27 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
697	Cognis Australia Pty Ltd	3043	BISOMER PEMCURE 12A	Yes	4000 kg	Additive in the manufacture of printing plates	2 yrs

28 EARLY INTRODUCTION PERMITS FOR NON-HAZARDOUS INDUSTRIAL CHEMICALS

The permits listed in Table 3 were issued to import or manufacture the following chemicals prior to the issue of their respective assessment certificates under section 30A of the Act.

Table 3

Early Introduction Permits

PERMIT NUMBER	COMPANY NAME	CHEMICAL OR TRADE NAME	USE
502	Hewlett Packard Australia Pty Ltd	Styrene Maleic Anhydride Resin	Compound of inkjet printing inks
503	General Electric Plastic (Aust) Pty Ltd	Polymer in Extem XH and Extem UH	Polymer for plastic injection-moulding and extrusion
504	International Sales & Marketing Pty Ltd	Polymer in Adhesion Resin EPDS1300	Water-borne adhesion promoter for industrial products
505	Degussa Australia Pty Ltd		
506	General Electric Plastics (Australia) Pty Ltd	ULTEM XH6050	Production of moulded or extruded articles or as a component of the other industrial products

29 CONTROLLED USE PERMIT (EXPORT ONLY)

The permits listed in Table 4 were issued to import or manufacture the following chemicals for export of the entire quantity under section 22F of the Industrial Chemicals (Notification and Assessment) Act 1989.

Table 4
Controlled Use Permit

Permit Number	Company Name	Postcode	Chemical and Trade Name	Hazardous Substances	Quantity KG/Year	Use	Period Approved Months
006	BASF Australia Ltd	3174	Laromer LR 8987	No	40 000 kg/yr	Component of timber coating formulation	3 yrs
007	Hexion Specialty Chemicals Somersby Pty Ltd	2250	Component in MR0282 and F0306H	No	5000 kg/yr	Internal release agent for thermo set laminating resins	3 yrs

30 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 5

Chemicals Eligible for Listing on the Australian Inventory of Chemical Substances

CHEMICAL NAME	MOLECULAR FORMULA	CAS NUMBER
Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2-(chloromethyl)oxirane, N1-(1,3-dimethylbutylidene)-N2-[2-[(1,3-dimethylbutylidene)amino]ethyl]-1,2-ethanediamine, 2-(methylamino)ethanol, 1,1'-methylenebis[4-isocyanatobenzene] and .alpha'.alpha'.-[(1-methylethylidene)di-4,1-phenylene]bis[.omega.-hydroxypoly(oxy-1,2-ethanediyl)], acetate (ester) 2-ethylhexanoate (ester)	$(C_{16}H_{33}N_3 \cdot C_{15}H_{16}O_2 \cdot C_{15}H_{10}N_2O_2 \cdot C_3H_9NO \cdot C_3H_5ClO \cdot (C_2H_4O)_n (C_2H_4O)_n C_{15}H_{16}O_2)_x \cdot xC_8H_{16}O_2 \cdot xC_2H_4O_2$	935546-76-2
Hexane, 1,6-diiisocyanato-, homopolymer, polyethylene glycol mono-Me ether-and stearyl alc.-blocked	Unspecified	935545-52-1
Iodonium, [4-(2-methylpropyl)phenyl](4-methylphenyl)-, hexafluorophosphate(1-)	$C_{17}H_{20}F_6IP$	344562-80-7
Siloxanes and Silicones, di-Me, 3-hydroxypropyl group-terminated, diethers with polyethylene glycol monomethacrylate	Unspecified	187175-41-3
4-Aza-1-azoniabicyclo[2.2.2]octane, 1-(2-hydroxypropyl)-, salt with 2-ethylhexanoic acid (1:1)	$C_9H_{19}N_2O \cdot C_8H_{15}O_2$	103969-79-5
Hexanoic acid, 6-hydroxy-, 2-[(2-methyl-1-oxo-2-propenyl)oxy]ethyl ester, polymer with butyl 2-propenoate, 2,2-dimethyl-1,3-propanediyl bis(2-methyl-2-propenoate), ethenylbenzene, methyl 2-methyl-2-propenoate and oxiranylmethyl 2-methyl-2-propenoate	$(C_{13}H_{20}O_4 \cdot C_{12}H_{20}O_5 \cdot C_8H_8 \cdot C_7H_{12}O_2 \cdot C_7H_{10}O_3 \cdot C_5H_8O_2)_x$	146921-00-8
2-Propenoic acid, 2-methyl-, dodecyl ester, polymer with methyl 2-methyl-2-propenoate and 3-(trimethoxysilyl)propyl 2-methyl-2-propenoate	$(C_{16}H_{30}O_2 \cdot C_{10}H_{20}O_5Si \cdot C_5H_8O_2)_x$	127377-06-4
Urea, N,N''-(methylenedi-4,1-phenylene)bis-, N',N'''-bis(mixed octyl and oleyl) derivs.	Unspecified	394241-03-3

1,4-Butanediol, polymer with 1,3-diisocyanatomethylbenzene, alpha-hydro-omega-hydroxypoly(oxy-1,4-butanediyl) and alpha-hydro-omega-hydroxypoly(oxy-1,2-ethanediyl)	$(C_9H_6N_2O_2 \cdot C_4H_{10}O_2 \cdot (C_4H_8O)_n H_2O \cdot (C_2H_4O)_n H_2O)_x$	125329-02-4
Siloxanes and Silicones, di-Me, hydrogen-terminated, reaction products with polyethylene-polypropylene glycol allyl Bu ether	Unspecified	162567-94-4
Ferrate (1-), bis[3,5-bis(1,1-dimethylethyl)-2-(hydroxy-kappa.O)benzoato (2-)-. kappa.O]-, hydrogen	$C_{30}H_{40}FeO_6 \cdot H$	102561-69-3
1,3-Benzenedicarboxylic acid, polymer with 2,4-diisocyanato-1-methylbenzene, hexanedioic acid, alpha-hydro-omega-hydroxypoly(oxy(methyl-1,2-ethanediyl)), 1,1'-methylenebis(4-isocyanatobenzene), 2,2'-oxybis(ethanol), 1,1'-oxybis(2-propanol) and 1,2-propanediol	$(C_{15}H_{10}N_2O_2 \cdot C_9H_6N_2O_2 \cdot C_8H_6O_4 \cdot C_6H_{14}O_3 \cdot C_6H_{10}O_4 \cdot C_4H_{10}O_3 \cdot C_3H_8O_2 \cdot (C_3H_6O)_n H_2O)_x$	256236-71-2
1,3-Benzenedicarboxylic acid, polymer with hexanedioic acid, alpha-hydro-omega-hydroxy-poly[oxy(methyl-1,2-ethanediyl)], 1,1'-methylenebis[4-isocyanatobenzene], 2,2'-oxybis[ethanol] and 1,2-propanediol	$(C_{15}H_{10}N_2O_2 \cdot C_8H_6O_4 \cdot C_6H_{10}O_4 \cdot C_4H_{10}O_3 \cdot C_3H_8O_2 \cdot (C_3H_6O)_n H_2O)_x$	256236-74-5
1,3-Isobenzofurandione, polymer with (chloromethyl)oxirane, 4,4'-(1-methylethylidene)bis[phenol] and alpha, alpha'-[(1-methylethylidene)-di-4,1-phenylene]bis[omega-hydroxypoly[oxy(methyl-1,2-ethanediyl)]], benzoate octadecanoate	$C_{18}H_{36}O_2 \cdot x(C_{15}H_{16}O_2 \cdot C_8H_4O_3 \cdot (C_3H_6O)_n \cdot (C_3H_6O)_n \cdot C_{15}H_{16}O_2 \cdot C_3H_5ClO)_x \cdot xC_7H_6O_2$	259794-70-2
2-Propenoic acid, sodium salt, polymer with 2-propenamamide, reaction products with dimethylamine and formaldehyde	Unspecified	307532-78-1
Phosphonic acid, [1,2-ethanediylbis[nitrilobis(methylene)]]tetrakis-, pentasodium salt	$C_6H_{20}N_2O_{12}P_4 \cdot 5Na$	7651-99-2
2-Propenoic acid, 2-methyl-, polymer with alpha-(2-methyl-1-oxo-2-propenyl)-omega-methoxypoly(oxy-1,2-ethanediyl), sodium salt	$(C_4H_6O_2 \cdot (C_2H_4O)_n \cdot C_5H_8O_2)_x \cdot xNa$	97105-14-1
2-Propenoic acid, 2-methyl-, butyl ester, polymer with butyl 2-propenoate, ethenylbenzene, 2-hydroxyethyl 2-methyl-2-propenoate, 1,2-propanediol mono(2-methyl-2-propenoate) and 2-propenoic acid, bis(1-methyl-1-phenylethyl) peroxide-initiated	Unspecified	941597-71-3
Fatty acids, C18-unsatd., dimers, polymers with 1,3-bis(1-isocyanato-1-methylethyl)benzene, 1,6-hexanediol, 3-	Unspecified	941597-92-8

hydroxy-2-(hydroxymethyl)-2-methylpropanoic acid, isophthalic acid, neopentyl glycol and trimethylolpropane		
Fatty acids, C18-unsatd., dimers, polymers with 1,6-hexanediol, 3-hydroxy-2-(hydroxymethyl)-2-methylpropanoic acid, isophthalic acid, 1,1'-methylenebis[4-isocyanatocyclohexane], neopentyl glycol and trimethylolpropane	Unspecified	941598-01-2
Fatty acids, C18-unsatd., dimers, polymers with 1,3-bis(1-isocyanato-1-methylethyl)benzene, 2-butyl-2-ethyl-1,3-propanediol, 1,4-cyclohexanedimethanol, 3-hydroxy-2,2-dimethylpropyl 3-hydroxy-2,2-dimethylpropanoate, 3-hydroxy-2-(hydroxymethyl)-2-methylpropanoic acid, isophthalic acid, neopentyl glycol and trimethylolpropane	Unspecified	941598-02-3
Propanoic acid, 3-hydroxy-2-(hydroxymethyl)-2-methyl-, polymer with 2-(chloromethyl)oxirane, 1,3-diisocyanatomethylbenzene, 4,4'-(1-methylethylidene)bis[phenol] and 2,2'-thiobis[ethanol], 2-ethyl-1-hexanol-blocked	Unspecified	941597-87-1

31 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 6

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

CHEMICAL NAME	MOLECULAR FORMULA	CAS NUMBER
Benzoic acid, 4-hydroxy-, 2-ethylhexyl ester, polymer with 4-(1,1-dimethylethyl)phenol, formaldehyde and 4,4'-(1-methylethylidene)bis[phenol]	$(C_{15}H_{22}O_3.C_{15}H_{16}O_2.C_{10}H_{14}O.CH_2O)_x$	724706-02-9
2-Propenoic acid, 2-[1-[3,5-bis(1,1-dimethylpropyl)-2-hydroxyphenyl]ethyl]-4,6-bis(1,1-dimethylpropyl)phenyl ester	$C_{37}H_{56}O_3$	123968-25-2