



Australian Government

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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.

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1 SECONDARY NOTIFICATION OF N-(N-BUTYL) THIOPHOSPHORIC TRIAMIDE (NBPT)

In accordance with section 65(2) of the *Industrial Chemicals (Notification and Assessment) Act*, 1989 (the Act), as amended, notice is given that the Director requires the secondary notification of the existing chemical **N-(n-butyl) thiophosphoric triamide** (NBPT, CAS No. 94317-64-3).

Additional Studies Available for NBPT

NBPT was assessed by NICNAS in January 1997 as a standard notification (NA/467) and has been included in the public section of AICS. In August 2008, Agrotain International LLC, USA on behalf of Quinfert Pty Ltd of 9a Hamilton St, Gisborne, VIC 3437 expressed their intention to the Director regarding the introduction of two dry formulations containing NBPT, Agrotain Plus and Agrotain DC, to Australia. Agrotain International LLC also has made available to the Director additional data on NBPT and Agrotain products including:

- Labels of Agrotain DC and Agrotain Plus
- Studies of particle size distribution on Agrotain DC and Agrotain Plus
- Metabolism study of NBPT in rats
- Acute eye irritation/corrosion study of NBPT in rabbit
- 13-week dietary study incorporating a neurotoxicity screen of NBPT in rats
- Two-generation reproduction toxicity study of NBPT in rats
- A US TSCA 8(e) allegation/incident report on two workers handling Agrotain.

Reasons for Secondary Notification

The Director has decided that a secondary notification for NBPT is required because the additional data provided has relevance to the hazardous nature of NBPT and occupational exposure in Australia to NBPT.

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 introduce NBPT into Australia, either by import or manufacture. 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 NBPT which was not originally covered in the 1997 assessment report.

In addition, Agrotain International LLC is requested to provide information on the following:

- Occupational health and safety data including number and category of workers, nature of work done, and prevention of worker exposure during the use of Agrotain powder products in Australia according to Schedule Part B (6) of the Act.

- Physical and chemical data including particle distribution of NBPT powder particles, as well as flash point, flammability limits and autoignition temperature according to Schedule Part B (9) of the Act.
- Toxicology information of NBPT including acute inhalation toxicity according to Schedule Part C of the Act.
- MSDS for Agrotain DC and Agrotain Plus prepared in accordance with the *National Code of Practice for the Preparation of Material Safety Data Sheets [NOHSC:2011(1994)]*.
- Any studies relevant to human and environmental toxicity and risks associated with NBPT, including pharmacokinetics studies and developmental toxicity studies submitted to overseas regulatory authorities.

Agrotain International LLC should provide a statement of justification if they cannot provide any of the above information required based on the Schedule A, B and C of the Act.

The secondary notification application form can be found on the NICNAS website at: http://www.nicnas.gov.au/Forms/Existing_Chemicals/Form1a_SN_PEC_PDF.pdf

An application that some or all of this information should be exempt from publication may be made by applying under section 75 of the Act, and using the approved form which can be found at:

http://www.nicnas.gov.au/Forms/Existing_Chemicals/Form3_Exemption_Information_PDF.pdf

Applications must be received no later than 1 July, 2009.

Additional persons with relevant information

In addition to the requirement to apply for secondary notification, any persons with information relevant to the assessment of NBPT which was not originally covered in the 1997 assessment report are encouraged to submit the information for consideration. A copy of the assessment report (NA/467) can be found on the NICNAS website at: www.nicnas.gov.au/Publications\CAR\NEW\NA\NASUMMR\NA0400SR\NA467.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 Lorelie Flood by telephone (02) 8577 8856, fax: (02) 8577 8888 or e-mail: lorelie.flood@nicnas.gov.au for further information.

2 PUBLICATION SUMMARY REPORT

Polymer in Mater-Bi CF & CS Summary Report Reference No: LTD/1383

Plastral Pty Ltd. (ABN 68 000 144 132) of 130 Denison St, Hillsdale NSW 2036 has submitted a limited notification statement in support of their application for an assessment certificate for Polymer in Mater-Bi CF & CS. The notified polymer is intended to be used to produce a range of finished articles including, shopping bags, nappies and hygiene products. Up to 1,000 tonnes of the notified polymer will be imported per annum for each of the first five years.

Hazard Classification

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

Human Health Risk Assessment

Under the conditions of the occupational settings described, the notified polymer is not considered to pose an unacceptable risk to the health of workers.

When used in the proposed manner, the notified polymer is not considered to pose an unacceptable risk to public health.

Environmental Risk Assessment

On the basis of the 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 ensure engineering controls are present to minimise occupational exposure to any fumes emitted during moulding and to any nuisance dust.
- 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 may be disposed of to commercial composting, subject to availability of commercial composting facilities and compliance with local requirements for acceptability of compostable waste. Some facilities may only accept the notified polymer for commercial composting as thin film, because of the stability of larger items over the typical 6 week timeframe of commercial operations. Soiled nappies or soiled hygiene products should only be disposed of to landfill for sanitary/public health reasons. Items made from the notified polymer may be added to home compost heaps, but home composters can expect degradation in compost heaps and garden soils to be slow unless the items are in the form of thin film.

Storage

- Store in a cool dry well ventilated area away from heat source.

Emergency procedures

- Spills/release of the notified polymer should be handled by sweeping up and recovery, with a view to recycling. Any material not suitable for recycling may be disposed of to landfill.

Regulatory Obligations

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

- (1) Under Section 64(1) of the Act; if
 - the polymer has a number-average molecular weight of less than 1000; or

or

- (2) Under Section 64(2) of the Act; if
 - the function or use of the polymer has changed from producing a range of finished articles including, shopping bags, nappies and hygiene products, or is likely to change significantly;
 - the amount of polymer being introduced has increased from 1,000 tonnes, or is likely to increase, significantly;
 - 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.

Material Safety Data Sheet

The MSDS of the notified polymer and products containing the notified polymer provided by the notifier were reviewed by NICNAS. The accuracy of the information on the MSDS remains the responsibility of the applicant.

3 PUBLICATION SUMMARY REPORT

2-Amino-5-ethylphenol HCl Summary Report Reference No: LTD/1385

Cosmetic Suppliers Pty Ltd (ABN: 83 000 303 391) and Procter & Gamble Australia Pty Ltd (ABN: 91 008 396 2451) both at Level 4 / 1 Innovation Road, North Ryde NSW 2113 have submitted a limited notification statement in support of their application for an assessment certificate for 2-Amino-5-ethylphenol HCl. The notified chemical is intended to be used as an oxidative colouring agent for hair dye formulations. Up to 0.2 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)], with the following risk phrases:

- R22: Harmful if swallowed
- R35: Causes severe burns
- R41: Risk of serious eye damage
- R43: May cause sensitisation by skin contact

Human Health Risk Assessment

Under the conditions of the occupational settings described, the notified chemical is not considered to pose an unacceptable risk of adverse systemic effects. However the risk for skin sensitisation to hairdressers cannot be ruled out, and therefore appropriate work practices, such as the 'single' use of impermeable gloves (neoprene, nitrile or natural rubber latex preferred), are required.

When used in the proposed manner, the notified chemical is not considered to pose an unacceptable risk of adverse systemic effects. However the risk for skin sensitisation to hair dye users cannot be ruled out. Therefore appropriate communication of this risk and the recommendation for skin sensitivity testing before every use is required.

Environmental Risk Assessment

On the basis of the PEC/PNEC ratio and the reported use pattern, the notified chemical is not considered to pose a risk to the environment.

Recommendations

Regulatory Controls

Hazard Classification and Labelling

- The Office of the ASCC, Department of Employment and Workplace Relations (DEWR), should consider the following risk phrases for health hazard classification and safety phrases for the notified chemical:
 - R22 Harmful if swallowed
 - R35: Causes severe burns

- R41 Risk of serious damage to eyes
 - R43 May cause sensitisation by skin contact
 - S24/25 Avoid contact with skin and eyes
 - S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
 - S37 Wear suitable gloves
 - S39 Wear eye/face protection
- Use the following risk phrases for products/mixtures containing the notified chemical:
 - Conc \geq 25%: R22; R35; R41; R43
 - 10% \leq Conc < 25%: R35; R41; R43
 - 5% \leq Conc < 10%: R34; R41; R43
 - 1% \leq Conc < 5%: R36; R38; R43
 - The National Drugs and Poisons Standing Committee (NDPSC) should consider the notified chemical for listing on the SUSDP.

Health Surveillance

- As the notified chemical is a 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.

Material Safety Data Sheet

- An Australian MSDS should be made available for all imported hair dye products being used in hairdressing salons.

Control Measures

Occupational Health and Safety

- Employers should implement the following safe work practices to minimise occupational exposure during handling of the notified chemical in the imported hair dye products:
 - Avoid contact with skin
 - Avoid contact with eyes
 - Do not re-use disposable gloves worn during handling of the hair dye product
- Employers should ensure that the following personal protective equipment is used by workers to minimise occupational exposure to the notified chemical in the imported hair dye products:
 - Impermeable gloves (neoprene, nitrile or natural rubber latex preferred)

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.

Public Health

- The following measures should be taken to minimise the risk of serious allergic reactions to the notified chemical:
 - Product labels and associated information leaflets should include warnings regarding the risk of allergic reaction;
 - Hairdressers should advise clients of the risk of allergic reaction and provide the product information leaflet for clients to read;
 - Skin sensitivity tests should be conducted prior to each and every use of the hair dye products containing the notified chemical.
- The notified chemical should not be used for dyeing eyelashes or eyebrows.

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.

Regulatory Obligations

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

- (1) Under Section 64(1) of the Act; if
 - the importation volume exceeds one tonne per annum notified chemical;
 - the concentration in hair dye products has increased from 1%;
 - the notified chemical is used in hair dye products intended for sale to the public;
 - the notified chemical has begun to be formulated into products in Australia;

- additional information becomes available to the person as to the adverse effects of the oxidative reaction products created during hair dye use.

or

- (2) Under Section 64(2) of the Act; if
- the function or use of the chemical has changed from hair dye ingredient, or is likely to change significantly;
 - the amount of chemical being introduced has increased from 1 tonne, or is likely to increase, significantly;
 - 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.

Material Safety Data Sheet

The MSDS of the notified chemical provided by the notifier was reviewed by NICNAS. The accuracy of the information on the MSDS remains the responsibility of the applicant.

4 PUBLICATION SUMMARY REPORT

TC-110 and TC-115 Summary Report Reference No: LTD/1397

Konica Minolta Business Solutions Australia Pty Ltd (ABN 50 001 065 096) of 22 Giffnock Avenue, North Ryde, NSW 2113 has submitted a limited notification statement in support of their application for an assessment certificate for TC-110 and TC-115. The notified chemical is intended to be used as a component in toner cartridges at a concentration of 1%. Up to 0.6 tonnes of the notified chemical will be imported per annum for each of the first five years.

Hazard Classification

Based on the information provided the notified chemical is not classified as hazardous under the *Approved Criteria for Classifying Hazardous Substances* [NOHSC:1008(2004)].

Human Health Risk Assessment

Under the conditions of the occupational settings described, the notified chemical is not considered to pose an unacceptable risk to the health of workers.

When used in the proposed manner, the notified chemical is not considered to pose an unacceptable risk to public health.

Environmental Risk Assessment

On the basis of the reported use pattern, the notified chemical is not considered to pose a risk to the environment.

Recommendations

Control Measures

Occupational Health and Safety

- Employers should implement the following safe work practices to minimise occupational exposure during handling of toner cartridges containing the notified chemical:
 - Avoid the formation of airborne dusts
- 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

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

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.

Regulatory Obligations

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

- (1) Under Section 64(1) of the Act; if
 - the importation volume exceeds one tonne per annum notified chemical;
 - the notified chemical is introduced with a particle size of 100 nm or less.

or

- (2) Under Section 64(2) of the Act; if
 - the function or use of the chemical has changed from a component in toner cartridges at a concentration of 1%, or is likely to change significantly;
 - the amount of chemical being introduced has increased, or is likely to increase, significantly;
 - 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.

Material Safety Data Sheet

The MSDS of the notified chemical and products containing the notified chemical provided by the notifier were reviewed by NICNAS. The accuracy of the information on the MSDS remains the responsibility of the applicant.

5 PUBLICATION SUMMARY REPORT

R507-2 Summary Report Reference No: LTD/1400

DIC Australia Pty Ltd (ABN 12 000 079 550) of 42 Sunmore Close Heatherton VIC 3202 has submitted a limited notification statement in support of their application for an assessment certificate for R507-2. The notified chemical is intended to be used as an additive for pigments used in printing inks. Up to one tonne 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 not classified as hazardous under the *Approved Criteria for Classifying Hazardous Substances* [NOHSC:1008(2004)].

Human Health Risk Assessment

Under the conditions of the occupational settings described, the notified chemical is not considered to pose an unacceptable risk to the health of workers.

When used in the proposed manner, the notified chemical is not considered to pose an unacceptable risk to public health.

Environmental Risk Assessment

On the basis of the reported use pattern, the notified chemical is not considered to pose a risk to the environment.

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 the powdered pigment:
 - Local exhaust ventilation wherever weighing and addition to mixers occurs
- Employers should implement the following safe work practices to minimise occupational exposure during handling of the notified chemical as introduced in the powdered pigment:
 - Avoid the formation of airborne dusts
 - The level of atmospheric dust should be maintained as low as possible. The Australian recommended exposure standard for nuisance dust is 10 mg/m³ [NOHSC 3008:(1995)]. However, the ACGIH exposure standard for atmospheric dust is 3 mg/m³.

- Employers should ensure that the following personal protective equipment is used by workers to minimise occupational exposure to the notified chemical as introduced in the powdered pigment:
 - Dust mask sufficient for respirable particulates (where high airborne concentrations occur)

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.

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.

Regulatory Obligations

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

- (1) Under Section 64(1) of the Act; if
 - the importation volume exceeds one tonne per annum notified chemical;

or

- (2) Under Section 64(2) of the Act; if
 - the function or use of the chemical has changed from as an additive for pigments used in printing inks, or is likely to change significantly;

- the amount of chemical being introduced has increased from one tonne per annum, or is likely to increase, significantly;
- 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.

Material Safety Data Sheet

The MSDS of the notified chemical and products containing the notified chemical provided by the notifier were reviewed by NICNAS. The accuracy of the information on the MSDS remains the responsibility of the applicant.

6 PUBLICATION SUMMARY REPORT

Polymer in RC-6097 Summary Report Reference No: LTD/1401

Dupont (Australia) Ltd (ABN 59.000.716.469) of 7 Eden Park Drive, Macquarie Park, NSW, 2113 has submitted a limited notification statement in support of their application for an assessment certificate for Polymer in RC-6097. The notified polymer is intended to be used as component of an automotive topcoat resin system. Reformulation and application will occur in Australia. Up to 15 tonnes of the notified polymer will be imported per annum for each of the first five years.

Hazard Classification

No toxicity data for the notified chemical were available and therefore the notified polymer can not be classified as hazardous under the *Approved Criteria for Classifying Hazardous Substances* [NOHSC:1008(2004)].

Human Health Risk Assessment

Under the conditions of the occupational settings described, the notified polymer is not considered to pose an unacceptable risk to the health of workers.

When used in the proposed manner, the notified polymer is not considered to pose an unacceptable risk to public health.

Environmental Risk Assessment

On the basis of likely toxicity of the notified substance and the reported use pattern, the notified polymer is not considered to pose a risk to the environment

Recommendations

Control Measures

Occupational Health and Safety

- Based on the information provided, no specific engineering controls 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.

- Employers should implement the following safe work practices to minimise occupational exposure to the notified polymer during spray application:
 - Use of spray paints containing the notified polymer should be in accordance with the NOHSC National Guidance Material for Spray Painting.
- 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.

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 and adsorption with non-combustible material (e.g. sand, earth, vermiculite diatomaceous earth). Collect and place in suitable container for disposal. Clean spill area with detergent and water. Do not allow wash water to enter waterways or drains.

Regulatory Obligations

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

- (1) Under Section 64(1) of the Act; if
 - the polymer has a number-average molecular weight of less than 1000;
 or
- (2) Under Section 64(2) of the Act; if
 - the function or use of the chemical has changed from a component of automotive paint or is likely to change significantly;
 - the amount of chemical being introduced has increased from 15 tonnes, or is likely to increase, significantly;
 - 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.

Material Safety Data Sheet

The MSDS of the product containing the notified chemical provided by the notifier was reviewed by NICNAS. The accuracy of the information on the MSDS remains the responsibility of the applicant.

7 PUBLICATION SUMMARY REPORT

Suprasec 2535 Summary Report Reference No: LTD/1405

Huntsman Polyurethanes (Australia) Pty Ltd (ABN 40 090 446 165) of Gate 3, Ballarat Rd, Deer Park, VIC, 3023 has submitted a limited notification statement in support of their application for an assessment certificate for Suprasec 2535. The notified polymer is intended to be used for polyurethane foam manufacture. Up to 100 tonnes of the notified polymer will be imported per annum for each of the first five years.

Hazard Classification

Based on the presence of unreacted isocyanate groups, the notified polymer is classified as hazardous according to *Approved Criteria for Classifying Hazardous Substances* (NOHSC, 2004) with the following risk phrase:

- Xn; R42 May cause sensitisation by inhalation.

Human Health Risk Assessment

Under the conditions of the occupational settings described, the notified polymer is not considered to pose an unacceptable risk to the health of workers.

When used in the proposed manner, the notified polymer is not considered to pose an unacceptable risk to public health.

Environmental Risk Assessment

On the basis of the reported use pattern, the notified polymer is not considered to pose a risk to the environment.

Recommendations

Regulatory Controls

Hazard Classification and Labelling

- Use the following risk phrases for products/mixtures containing the notified chemical:
 - Conc \geq 1%: R42
- The following safety phrases should appear on the MSDS and label for the notified polymer:
 - S23 Do not breathe vapour or spray
 - S45 In case of accident or if you feel unwell seek medical advice immediately (and show the label where possible)

Exposure Standard

- A short term exposure limit (STEL) of 0.07 mg/m³ and long term time-weighted-average (TWA) exposure limit of 0.02 mg/m³ applies for the airborne concentration of all isocyanates in the workplace (NOHSC, 1995).

Health Surveillance

- As the notified polymer is a 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 asthma.

Control Measures

Occupational Health and Safety

- Employers should ensure that the facilities are equipped such that operations involving the notified polymer are performed in a highly controlled manner. The following isolation and engineering controls should be in place to minimise occupational exposure to the notified polymer:
 - Automated processes
 - Local exhaust ventilation
 - Sealed equipment
- Employers should implement the following safe work practices to minimise occupational exposure during handling of the notified polymer:
 - Avoid inhalation of vapours, mists and aerosols
 - Avoid contact with skin and eyes
 - Clean spills immediately, taking care to avoid inhalation
- Employers should ensure that the following personal protective equipment is used by workers to minimise occupational exposure to the notified polymer as introduced:
 - Organic vapour respirator (as needed)
 - Gloves, overalls and goggles or face-shield

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.

Disposal

- The notified chemical should be disposed of to landfill.

Storage

- The following precautions should be taken regarding storage of the notified chemical:
 - Due to the presence of $\leq 30\%$ low molecular weight residual isocyanate species present in the notified polymer the notified polymer will be classified under

Australian Dangerous Goods Code (FORS, 1998) as Class 6.1. Thus, the products should be stored according to Dangerous Goods requirements.

- Containers should be kept closed and stored indoors in a dry, well-ventilated area at temperatures below 50°C.

Emergency procedures

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

Regulatory Obligations

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

- (1) Under Section 64(1) of the Act; if
 - the polymer has a number-average molecular weight of less than 1000.or
- (2) Under Section 64(2) of the Act; if
 - the function or use of the chemical has changed from polyurethane foam manufacture, or is likely to change significantly;
 - the amount of chemical being introduced has increased from 100 tonnes, or is likely to increase, significantly;
 - 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.

Material Safety Data Sheet

The MSDS of the notified chemical provided by the notifier was reviewed by NICNAS. The accuracy of the information on the MSDS remains the responsibility of the applicant.

8 PUBLICATION SUMMARY REPORT

Disponil PGE 110 Summary Report Reference No: STD/1310

Cognis Australia Pty Ltd (ABN 87 006 374 456) of 4 Saligna Drive, Tullamarine, VIC 3043 has submitted a standard notification statement in support of their application for an assessment certificate for DISPONIL PGE 110. The notified chemical is intended to be used as a stabiliser for polymer dispersions in coatings and adhesives. Up to 20 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)], with the following risk phrase:

- Xn: R22 Harmful if swallowed

Human Health Risk Assessment

Under the conditions of the occupational settings described, the notified chemical is not considered to pose an unacceptable risk to the health of workers.

When used in the proposed manner, the notified chemical is not considered to pose an unacceptable risk to public health.

Environmental Risk Assessment

On the basis of the PEC/PNEC ratio and the reported use pattern, the notified chemical is not considered to pose a risk to the environment.

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:
 - Xn: R22 Harmful if swallowed
- Use the following risk phrases for products/mixtures containing the notified chemical:
 - $\geq 25\%$: R22 Harmful if swallowed

Material Safety Data Sheet

- The MSDS provided by the notifier should be amended as follows:
 - The MSDS of the products imported containing the notified chemical should contain the local address and emergency telephone number.

Control Measures

Occupational Health and Safety

- Employers should implement the following safe work practice to minimise occupational exposure during handling of the notified chemical as introduced and as diluted for use in the products:
 - Avoid contact with eyes
- 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 the products:
 - Safety glasses

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.
- If products containing the notified chemical are applied by spray, use of spray paints containing the notified chemical should be in accordance with the NOHSC National Guidance Material for Spray Painting (NOHSC, 1999).

Public Health

- Products marketed to the public containing the notified chemical should not recommend application by spraying.

Disposal

- The notified chemical should be disposed of to authority landfill.

Storage

- No particular measures are required for storage.

Emergency procedures

- Spills or accidental release of the notified chemical should be handled by physical containment. Recover to the extent practicable, then soak up using inert absorbent material (sand, silica gel, sawdust, universal binder). Place in suitable containers for disposal. Do not flush to sewer or waterways.

Regulatory Obligations

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

- (1) Under Section 64(2) of the Act; if
 - the function or use of the chemical has changed from use as a stabiliser for polymer dispersion in coatings and adhesives, or is likely to change significantly;
 - the amount of chemical being introduced has increased from 20 tonnes, or is likely to increase, significantly;
 - 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.

Material Safety Data Sheet

The MSDS of the products containing the notified chemical provided by the notifier were reviewed by NICNAS. The accuracy of the information on the MSDS remains the responsibility of the applicant.

9 PUBLICATION SUMMARY REPORT

L-Glutamic acid, N,N-bis(carboxymethyl)-, tetrasodium salt Summary Report Reference No: STD/1316

Akzo Nobel Pty Ltd (ABN 59 000 119 424 51) of 8 Kellaway Place Wetherill Park NSW 2164 has submitted a standard notification statement in support of their application for an assessment certificate for L-Glutamic acid, N, N-bis(carboxymethyl)-, tetrasodium salt. The notified chemical is intended to be used as an ingredient in commercial cleaning products. Up to 150 tonnes of the notified chemical will be imported per annum for each of the first five years.

Hazard Classification

Based on the data provided, the notified chemical is not classified as hazardous under the *Approved Criteria for Classifying Hazardous Substances* [NOHSC: 1008(2004)].

Human Health Risk Assessment

Under the conditions of the occupational settings described, the notified chemical is not considered to pose an unacceptable risk to the health of workers.

When used in the proposed manner, the notified chemical is not considered to pose an unacceptable risk to public health.

Environmental Risk Assessment

On the basis of the PEC/PNEC ratio and the reported use pattern, the notified chemical is not considered to pose a risk to the environment.

Recommendations

Control Measures

Occupational Health and Safety

- Avoid skin and eye contact with the notified chemical.
- Avoid inhalation of dust of the notified chemical.
- 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.

Disposal

- The notified chemical should be disposed of by landfill.

Storage

- The following precautions should be taken regarding storage of the notified chemical:
 - Avoid contact with strong oxidisers, aluminium, nickel, zinc, copper alloys
 - Store in PVC, PE, stainless steel or bituminised tanks only.

Emergency procedures

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

Regulatory Obligations

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

- (1) Under Section 64(2) of the Act; if
 - the function or use of the chemical has changed from an ingredient in commercial cleaning products or is likely to change significantly;
 - the amount of chemical being introduced has increased from 150 tonnes or is likely to increase, significantly;
 - if the chemical has begun to be manufactured in Australia;
 - additional information has become available of any 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.

Material Safety Data Sheet

The MSDS of the notified chemical provided by the notifier was reviewed by NICNAS. The accuracy of the information on the MSDS remains the responsibility of the applicant.

10 PUBLICATION SUMMARY REPORT

TINOGARD TL (Benzotriazole Dodecyl p Cresol) Summary Report Reference No: STD/1318

Ciba (Australia) Pty Ltd (ABN 97 005 061 469) of 235 Settlement Road, Thomastown VIC 3074 has submitted a standard notification statement in support of their application for an assessment certificate for TINOGARD TL (Benzotriazole Dodecyl p-Cresol). The notified chemical is intended to be used as an ingredient in cosmetics and domestic products at $\leq 0.05\%$. Up to 2 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 not classified as hazardous under the *Approved Criteria for Classifying Hazardous Substances* [NOHSC:1008(2004)].

Human Health Risk Assessment

Under the conditions of the occupational settings described, the notified chemical is not considered to pose an unacceptable risk to the health of workers.

When used in the proposed manner, the notified chemical is not considered to pose an unacceptable risk to public health.

Environmental Risk Assessment

On the basis of the PEC/PNEC ratio and the reported use pattern, the notified chemical is not considered to pose a risk to the environment.

Recommendations

Regulatory Controls

- The notified chemical should be classified as follows under the ADG Code:
 - Class 9: Environmentally Hazardous Substance (aquatic environment), Packing Group III

Control Measures

Occupational Health and Safety

- Employers should implement the following isolation controls to minimise occupational exposure to the notified chemical as introduced in the product TINOGARD TL (Benzotriazole Dodecyl p-Cresol):
 - Avoid contact with skin
- Employers should ensure that the following personal protective equipment is used by workers to minimise occupational exposure to the notified chemical as introduced in the product TINOGARD TL (Benzotriazole Dodecyl p-Cresol):
 - Use protective gloves

- 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.

Disposal

- The notified chemical should be disposed of to landfill.

Storage

- The following precautions should be taken by Ciba (Australia) Pty Ltd regarding storage of the notified chemical:
 - Avoid vapour formation and ignition sources.
 - Keep only in the original container.
 - Ensure good exhaust ventilation.

Emergency procedures

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

Transport and Packaging

- Avoid release to the environment. Refer to special instructions/safety data sheets.

Regulatory Obligations

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

- (1) Under Section 64(1) of the Act; if
 - the function or use of the chemical has changed from an ingredient in cosmetics and domestic products at $\leq 0.05\%$.

or

- (2) Under Section 64(2) of the Act; if
- the amount of chemical being introduced has increased from 2 tonnes, or is likely to increase, significantly;
 - 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.

Material Safety Data Sheet

The MSDS of the notified chemical (provided by the notifier was reviewed by NICNAS. The accuracy of the information on the MSDS remains the responsibility of the applicant.

11 PUBLICATION SUMMARY REPORT

Setal 1406 Summary Report Reference No: STD/1320

Nuplex Industries (Aust) Pty Ltd (ABN 25 000 045 572) of 49-61 Stephen Rd, Botany, NSW, 2019 and Akzo Nobel Car Refinishes Australia Pty Ltd (ABN 26 087 571 882) of 269 Williamstown Road, Port Melbourne, VIC, 3207 have submitted a standard notification statement in support of their application for an assessment certificate for Setal 1406. The notified polymer is intended to be used as a component of automotive paint. The notified polymer will not be manufactured, reformulated or repackaged in Australia. The automotive paints will be supplied to car manufacturers and car refinish shops. Up to 20 tonnes of the notified polymer will be imported per annum for each of the first five years.

Hazard Classification

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

Human Health Risk Assessment

Under the conditions of the occupational settings described, the notified polymer is not considered pose an unacceptable risk to the health of workers.

When used in the proposed manner, the notified polymer is not considered to pose an unacceptable risk to public health.

Environmental Risk Assessment

On the basis of the reported use pattern, the notified polymer is not considered to pose a risk to the environment.

Recommendations

Control Measures

Occupational Health and Safety

- No specific engineering controls 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.
- Employers should implement the following safe work practices to minimise occupational exposure to the notified polymer during spray application:
 - Use of spray paints containing the notified polymer should be in accordance with the NOHSC National Guidance Material for Spray Painting (NOHSC 1999).

- 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.

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.

Regulatory Obligations

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

- (1) Under Section 64(2) of the Act; if
 - the function or use of the chemical has changed from a component of automotive paint products, or is likely to change significantly;
 - the amount of chemical being introduced has increased from 20 tonnes, or is likely to increase, significantly;
 - 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.

Material Safety Data Sheet

The MSDS of the notified polymer and products containing the notified polymer provided by the notifier was reviewed by NICNAS. The accuracy of the information on the MSDS remains the responsibility of the applicant.

12 PUBLICATION SUMMARY REPORT

Nonitol, 1,2,3-Trideoxy-4,6:5,7-bis-O-[(4-propylphenyl)methylene] Summary Report Reference No: STD/1322

Walk Off Mats Asia Pacific Pty Ltd (ABN 14 002 708 830) of Unit 4, 345 Plummer Street, Port Melbourne VIC 3207 has submitted a standard notification statement in support of their application for an assessment certificate for Nonitol, 1,2,3-trideoxy-4,6:5,7-bis-O-[(4-propylphenyl)methylene]-. The notified chemical is intended to be used at up to 0.5% as a clarifying agent in moulded articles and films manufactured from polypropylene or high-propylene copolymers. Up to 45 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 not classified as hazardous under the *Approved Criteria for Classifying Hazardous Substances* [NOHSC:1008(2004)].

Human Health Risk Assessment

Under the conditions of the occupational settings described, the notified chemical is not considered to pose an unacceptable risk to the health of workers.

Overall, the notified chemical is not considered to pose an unacceptable risk to public health. Although a risk assessment for dietary exposure has not been carried out, the notified chemical has been approved for similar food contact use in the USA and EU. A copy of this assessment report will be referred to Food Standards Australia New Zealand (FSANZ).

Environmental Risk Assessment

On the basis of the reported use pattern, the notified chemical is not considered to pose a risk to the environment.

Recommendations

Regulatory Controls

Occupational Health and Safety

- Employers should implement the following engineering controls to minimise occupational exposure to the notified chemical as introduced:
 - Use of local exhaust ventilation during transfer and weighing activities
 - Use of adequate general ventilation during other industrial processes
- Employers should implement the following safe work practices to minimise occupational exposure during the handling of the notified chemical as introduced:
 - Avoid direct skin and eye contact
 - Avoid breathing dust
- Employers should ensure that the following personal protective equipment is used by workers to minimise occupational exposure to the notified chemical as introduced:

- where engineering controls and work practices do not reduce vapour and particulate exposure to safe levels below the NOHSC exposure standard for nuisance dust (10mg/m³), respiratory protection should be used.

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.

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.

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 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:

- (1) Under Section 64(2) of the Act; if
 - the function or use of the chemical has changed from a clarifying agent at up to 0.5% in moulded articles or films manufactured from polypropylene or high-propylene olefin copolymers, or is likely to change significantly;
 - the amount of chemical being introduced has increased from 45 tonne per annum, or is likely to increase, significantly;
 - 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.

Material Safety Data Sheet

The MSDS of the notified chemical and product containing the notified chemical provided by the notifier were reviewed by NICNAS. The accuracy of the information on the MSDS remains the responsibility of the applicant.

13 PUBLICATION SUMMARY REPORT

Chemical 2 in Lumogen Black FK 4281 Summary Report Reference No: STD/1327

BASF Australia Ltd (ABN 62 008 437 867) of 500 Princes Highway, Noble Park VIC 3174 has submitted a standard notification statement in support of their application for an assessment certificate for Chemical 2 in Lumogen Black FK 4281. The notified chemical is intended to be used as a dispersed solid pigment in coloured plastics and coatings. 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 not classified as hazardous under the *Approved Criteria for Classifying Hazardous Substances* [NOHSC:1008(2004)].

Human Health Risk Assessment

Under the conditions of the occupational settings described, the notified chemical is not considered to pose an unacceptable risk to the health of workers.

When used in the proposed manner, the notified chemical is not considered to pose an unacceptable risk to public health.

Environmental Risk Assessment

On the basis of the PEC/PNEC ratio and the reported use pattern, the notified chemical is not considered to pose a risk to the environment.

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 the product Lumogen Black FK 4281:
 - Local exhaust ventilation where manual handling of the notified chemical in powder form is carried out.
- Employers should ensure that the following personal protective equipment is used by workers to minimise occupational exposure to the notified chemical as introduced in the product Lumogen Black FK 4281:
 - Dust masks (adequate for respirable particulates) wherever airborne dusts are likely to be generated.

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

- For health concerns, the level of atmospheric dust should be maintained as low as possible. The ASCC exposure standard for atmospheric dust is 10 mg/m³ but a

recommended exposure limit of 3 mg/m³ has been suggested by the American Conference of Governmental Industrial Hygienists (ACGIH) for “respirable (insoluble) particulates (not otherwise regulated)”.

- A copy of the MSDS should be easily accessible to employees.
- Spray application should be carried out in accordance with the ASCC *National Guidance Material for Spray Painting* [NOHSC (1999b)].
- 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.

Disposal

- The notified chemical should be disposed of by landfill.

Storage

- The following precautions should be taken by BASF Australia Ltd regarding storage of the notified chemical:
 - Keep container tightly closed and dry
 - Store in a cool place
 - Avoid the generation of airborne dusts during handling
 - Take precautionary measures against static discharges

Emergency procedures

- Spills or accidental release of the notified chemical should be handled by physical containment, collection and storage for disposal via landfill, incineration or further treatment in accordance with local regulations. The notified chemical should not be discharged into drains, surface waters or groundwaters.

Regulatory Obligations

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

- (1) Under Section 64(2) of the Act; if
- the function or use of the chemical has changed from a pigment in coloured plastics and coatings or is likely to change significantly;
 - the amount of chemical being introduced has increased from 5 tonnes, 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.

Material Safety Data Sheet

The MSDS of the notified chemical provided by the notifier was reviewed by NICNAS. The accuracy of the information on the MSDS remains the responsibility of the applicant.

14 PUBLICATION SUMMARY REPORT

Polymer in Hetron FR 1540 Resin Summary Report Reference No: PLC/814

Ashland Pacific Pty Ltd (ABN: 47 000 075 641) of 5-7 Maria Street, Laverton North, VIC 3026 and Nuplex Industries Australia Pty Ltd (ABN: 25 000 045 572) of 49-61 Stephens Road, Botany NSW 2019 have submitted a polymer of low concern (PLC) notification statement in support of their application for an assessment certificate for Polymer in Hetron FR 1540 Resin. The notified polymer is intended to be used as a component of fire retardant coatings. Reformulation and application will occur in Australia. Up to 60 tonnes of the notified polymer will be imported per annum for each of the first five years.

Hazard Classification

No toxicological data were submitted. The notified polymer meets the PLC criteria and can therefore be considered to be of low hazard.

However, the polymer contains a residual monomer that is classified as possibly carcinogenic to humans (Group 2B) by the International Agency for Research on Cancer (IARC). This residual monomer is present in Hetron FR 1540 Resin and the formulating coatings at a concentration of < 2 %.

Human Health Risk Assessment

Under the conditions of the occupational settings described, the notified polymer is not considered to pose an unacceptable risk to the health of workers.

When used in the proposed manner, the notified polymer is not considered to pose an unacceptable risk to public health.

Environmental Risk Assessment

Based on the reported use pattern, the notified polymer is not considered to pose a risk to the environment.

Recommendations

Regulatory Controls

Material Safety Data Sheet

- The MSDS provided by the notifier should be amended to include information on the concern for carcinogenicity (i.e. possibly carcinogenic to humans (Group 2B)) for the residual monomer.
- The MSDS for any formulated products should include information on the concern for carcinogenicity (i.e. possibly carcinogenic to humans (Group 2B)) for the residual monomer.

Control Measures

- Based on the presence of a residual monomer that is possibly carcinogenic, employers should implement the following engineering controls to minimise occupational exposure to the notified polymer as introduced and in the formulated coating product:
 - Prevention of leaks and spills
 - Automated processes
- Based on the presence of a residual monomer that is possibly carcinogenic, employers should implement the following safe work practices to minimise occupational exposure during handling of the notified polymer as introduced and in the formulated coating product:
 - Avoid skin contact
 - Workers must have adequate education and training before handling the notified chemical
 - Avoid spills and splashing during use.
 - After exposure, any contaminated PPE should be thoroughly cleaned before re-use.
- Based on the presence of a residual monomer that is possibly carcinogenic, employers should ensure that the following personal protective equipment is used by workers to minimise occupational exposure to the notified polymer as introduced and in the formulated coating product:
 - Impervious gloves and coveralls

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 should be disposed of to landfill or be incinerated during the container recycling processes.

Emergency procedures

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

Regulatory Obligations

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

- (1) Under Section 64(1) of the Act; if
 - the notified polymer is introduced in a chemical form that does not meet the PLC criteria.

or

- (2) Under Section 64(2) of the Act; if
 - the function or use of the notified polymer has changed from a component of fire retardant industrial coatings, or is likely to change significantly;
 - the amount of notified polymer being introduced has increased, or is likely to increase, significantly;
 - the notified polymer 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.

Material Safety Data Sheet

The MSDS of the resin containing the notified polymer provided by the notifier was reviewed by NICNAS. The accuracy of the information on the MSDS remains the responsibility of the applicant.

15 PUBLICATION SUMMARY REPORT

Polymer 11 in Autospeed Paint Summary Report Reference No: PLC/832

Orica Australia Pty Ltd (ABN 99 004 117 828) of 1 Nicholson Street, Melbourne VIC 3000 has submitted a polymer of low concern (PLC) notification statement in support of their application for an assessment certificate for Polymer 11 in Autospeed Paint. The notified polymer is intended to be used as component of paint at < 20% for automotive refinishing. Up to 10 tonnes of the notified polymer will be imported per annum for each of the first five years.

Hazard Classification

No toxicological data were submitted. The notified polymer meets the PLC criteria and can therefore be considered to be of low hazard.

Human Health Risk Assessment

Under the conditions of the occupational settings described, the notified polymer is not considered to pose an unacceptable risk to the health of workers.

When used in the proposed manner, the notified polymer is not considered to pose an unacceptable risk to public health.

Environmental Risk Assessment

Based on the reported use pattern, the notified polymer is not considered to pose a risk to the environment.

Recommendations

Control Measures

Occupational Health and Safety

- Specific engineering controls, work practices or personal protective equipment 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.

- Spray application should be carried out in accordance with the *National Guidance Material for Spray Painting*.
- 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 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.

Regulatory Obligations

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

- (1) Under Section 64(1) of the Act; if
 - the notified polymer is introduced in a chemical form that does not meet the PLC criteria.

or

- (2) Under Section 64(2) of the Act; if
 - the function or use of the notified polymer has changed from component of paint at < 20% for automotive refinishing, or is likely to change significantly;
 - the amount of notified polymer being introduced has increased, or is likely to increase, significantly;
 - the notified polymer 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.

Material Safety Data Sheet

The MSDS of products containing the notified polymer provided by the notifier was reviewed by NICNAS. The accuracy of the information on the MSDS remains the responsibility of the applicant.

16 PUBLICATION SUMMARY REPORT

Polymer in R9915 Polyester Resin Summary Report Reference No: PLC/834

The Valspar (Australia) Corporation Pty Limited (ABN: 82 000 039 396) of 203 Power Street Glendenning NSW 2761 has submitted a polymer of low concern (PLC) notification statement in support of their application for an assessment certificate for Polymer in R9915 Polyester Resin. The notified polymer is intended to be used as a component of industrial coating formulations. Up to 500 tonnes of the notified polymer will be imported per annum for each of the first five years.

Hazard Classification

No toxicological data were submitted. The notified polymer meets the PLC criteria and can therefore be considered to be of low hazard.

Human Health Risk Assessment

Under the conditions of the occupational settings described, the notified polymer is not considered to pose an unacceptable risk to the health of workers.

When used in the proposed manner, the notified polymer is not considered to pose an unacceptable risk to public health.

Environmental Risk Assessment

Based on the reported use pattern, the notified polymer is not considered to pose a risk to the environment.

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.

Disposal

- The notified polymer should be disposed of to landfill or be incinerated during container or metal substrate recycling processes.

Emergency procedures

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

Regulatory Obligations

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

- (1) Under Section 64(1) of the Act; if
 - the notified polymer is introduced in a chemical form that does not meet the PLC criteria.

or

- (2) Under Section 64(2) of the Act; if
 - the function or use of the notified polymer has changed from a component of industrial coating formulations, or is likely to change significantly;
 - the amount of notified polymer being introduced has increased, or is likely to increase, significantly;
 - the method of manufacture of the notified polymer in Australia has changed, or is likely to change, in a way that may result in an increased risk of an adverse effect of the notified polymer on occupational health and safety, public health, or the environment;
 - 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.

Material Safety Data Sheet

The MSDS of the R9915 Polyester Resin containing the notified polymer provided by the notifier was reviewed by NICNAS. The accuracy of the information on the MSDS remains the responsibility of the applicant.

17 PUBLICATION SUMMARY REPORT

**M Polymer
Summary Report
Reference No: PLC/835**

Epson Australia Pty Ltd (ABN 91 002 625 783) of 3 Talavera Road North Ryde NSW 2113 has submitted a polymer of low concern (PLC) notification statement in support of their application for an assessment certificate for M Polymer. The notified polymer is intended to be used as component of printer ink. Up to 1 tonne of the notified polymer will be imported per annum for each of the first five years.

Hazard Classification

No toxicological data were submitted. The notified polymer meets the PLC criteria and can therefore be considered to be of low hazard.

Human Health Risk Assessment

Under the conditions of the occupational settings described, the notified polymer is not considered to pose an unacceptable risk to the health of workers.

When used in the proposed manner, the notified polymer is not considered to pose an unacceptable risk to public health.

Environmental Risk Assessment

Based on the reported use pattern, the notified polymer is not considered to pose a risk to the environment.

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.

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 collection using sponges, cloths etc. Rinse area with damp cloth. Place clean up materials into an appropriate closed container for disposal.

Regulatory Obligations

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

- (1) Under Section 64(1) of the Act; if
 - the notified polymer is introduced in a chemical form that does not meet the PLC criteria.

or

- (2) Under Section 64(2) of the Act; if
 - the function or use of the notified polymer has changed from a component of printer ink, or is likely to change significantly;
 - the amount of notified polymer being introduced has increased, or is likely to increase, significantly;
 - the notified polymer has begun to be manufactured in Australia;
 - 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.

Material Safety Data Sheet

The MSDS of the product containing the notified polymer provided by the notifier was reviewed by NICNAS. The accuracy of the information on the MSDS remains the responsibility of the applicant.

18 PUBLICATION SUMMARY REPORT

**Chemical in CP 8055
Summary Report
Reference No: EX/119**

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.

Since the assessment certificate has been granted for the above notified chemical, Perkal Pty Ltd (Trading as Statewide Oil Distributors) of 14 Beete St Welshpool WA 6106 has submitted an application for extension of the assessment certificate (Nos. 2563, STD/1251), together with a written agreement of the holders of the original certificate (Oronite Australia Pty Ltd) for importing up to 86 tonnes of the notified chemical per annum for use as a detergent additive in formulations for marine engine oils.

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 notified chemical is not considered to pose an unacceptable risk to the health of workers.

Public Health

When used in the proposed manner, the notified chemical is not considered to pose an unacceptable risk to public health.

Environmental Effects

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

Risk Assessment Relating to Extension Application

The proposed use, introduction volume and fate of the notified chemical will not change significantly under the proposed extension. The circumstances in the extension application are not expected to impact on the original human health and environment risk assessment.

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:

- (1) 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;
 - 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.

19 PUBLICATION SUMMARY REPORT

**Polymer in Infineum C9290
Summary Report
Reference No: EX/126**

Infineum Australia Pty Ltd (ABN 24 084 881 863) of Level 2, 6 Riverside Quay, Southbank VIC 3006 has submitted a polymer of low concern (PLC) notification statement in support of their application for an assessment certificate for Polymer in Infineum C9290. The notified polymer is intended to be used as a lubricant additive component and is used together with other components to formulate engine oil. It is present at concentrations at < 10% in engine oil. Up to 20000 tonnes of the notified polymer will be imported per annum for each of the first five years.

Since the assessment certificate has been granted for the above notified polymer, Shell Company of Australia Ltd (ABN 46 004 610 459) of 8 Redfern Rd Hawthorn East VIC 3128 has submitted an application for extension of the assessment certificate (No. 2795, PLC/798), together with a written agreement of the holder of the original certificate, Infineum Australia Pty Ltd, for importing less than 3 tonnes of the notified polymer per annum for use as a lubricant additive component. The notified polymer will be used together with other components to formulate engine oil.

Since the previous extension assessment certificate has been granted for the above notified polymer, Valvoline Australia Pty Ltd (ABN 86 000 446 855) of 30 Davis Road Wetherill Park NSW 2164 has submitted an application for extension of the assessment certificate (No. 2795, /PLC/798), together with a written agreement of the holder of the original certificate, Infineum Australia Pty Ltd. The notified polymer is intended to be used as a lubricant component for engine oils at < 5%. Up to 50 tonnes of the notified polymer will be imported per annum for each of the first five years.

Hazard Characterisation

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 a 30–70% concentration.

Human Health Risk Assessment

Under the conditions of the occupational settings described, the notified polymer is not considered to pose an unacceptable risk to the health of workers.

When used in the proposed manner, the notified polymer is not considered to pose an unacceptable risk to public health.

Environmental Risk Assessment

Based on the reported use pattern, the notified polymer is not considered to pose a risk to the environment.

Risk Assessment (extension applications)

Previous Extension Applicant:

The proposed use, introduction volume and fate of the notified polymer will not change significantly under the proposed extension. The circumstances in the extension application are not expected to impact on the original human health and environment risk assessment.

Current Extension Applicant:

The proposed use and fate of the notified polymer will not change under the proposed extension. The circumstances in the extension application are not expected to impact on the original human health and environment risk assessment. Therefore there are no changes required in the risk assessment.

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

- The following control measures should be implemented by the customers' site to minimise environmental exposure during use of the notified polymer:
 - Bunding

Disposal

- The notified polymer should be disposed of by supervised incineration at very high temperatures to prevent formation of undesirable combustion products. Accidental leaks and spillage should be cleaned up promptly with absorbent material and put into containers for disposal. The empty drums and their residues should be disposed in accordance with government regulations.

Emergency procedures

- Spills/release of the notified polymer should be handled by recovery and/or confinement of spills where possible.
 - For small land spills, absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. If liquid is too viscous for pumping, shovel it up into a suitable container for recycle or disposal.
 - For water spills, confine spill immediately with booms. Warn other shipping. Remove from the surface by skimming or with suitable absorbent. Report spills as required to appropriate authorities.

Regulatory Obligations

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

- (1) Under Section 64(1) of the Act; if
 - the notified polymer is introduced in a chemical form that does not meet the PLC criteria.

or

- (2) Under Section 64(2) of the Act; if
 - the function or use of the notified polymer has changed from a lubricant component in engine oil at < 10% w/w, or is likely to change significantly;
 - the amount of notified polymer being introduced has increased from 20,000 tonnes, or is likely to increase, significantly;
 - if the notified polymer 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.

Material Safety Data Sheet

The MSDS of the notified polymer and products containing the notified polymer provided by the notifier were reviewed by NICNAS. The accuracy of the information on the MSDS remains the responsibility of the applicant.

Previous Extension Application:

The applicant for extension application has provided MSDS as part of the notification statement. The accuracy of the information on the MSDS remains the responsibility of the applicant.

Current Extension Application:

The MSDS of the product containing the notified polymer provided by the notifier were reviewed by NICNAS. The accuracy of the information on the MSDS remains the responsibility of the applicant.

20 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.

21 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 1
Commercial Evaluation Category Permits

PERMIT NUMBER	COMPANY NAME	COMPANY POSTCODE	CHEMICAL OR TRADE NAME	HAZARDOUS SUBSTANCE	QUANTITY	USE	PERIOD APPROVED
740	PPG Industries Australia Pty Limited	3168	Polymer in D8260-Activator for WB Engine Bay Converter	Yes	1000 kg	Hardener product for water-based automotive refinish paint	2 yrs

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

22 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 2

Chemicals Eligible for Listing on the Australian Inventory of Chemical Substances

CHEMICAL NAME	MOLECULAR FORMULA	CAS NUMBER
2-Propenoic acid, polymer with butyl 2-propenoate and 2,5-furandione, gamma-omega-perfluoro-C8-14-alkyl esters, potassium salts, tert-Bu benzenecarboperoxoate-initiated	Unspecified	524729-93-9
2-Propenoic acid, 2-ethylhexyl ester, polymer with ethenylbenzene and 2-methyl-2-[(1-oxo-2-propenyl)amino]-1-propanesulfonic acid, di-Me 2,2'-azobis[2-methylpropanoate]-initiated	Unspecified	502618-47-5
2-Propenoic acid, butyl ester, polymer with ethenylbenzene, tert-Bu 2,2-dimethylpropaneperoxoate-initiated	Unspecified	502496-15-3
2-Propenoic acid, 2-methyl-, methyl ester, polymers with Bu acrylate, 2-hydroxyethyl acrylate and methylated formaldehyde-6-phenyl-1,3,5-triazine-2,4-diamine polymer	Unspecified	255875-91-3
Amines, polyethylenepoly-, reaction products with succinic anhydride polyisobutenyl derivs., terephthalates	Unspecified	253441-36-0
2-Propenoic acid, 2-methyl-, polymers with acrylic acid, Me acrylate and polyethylene glycol methacrylate C18-22-alkyl ethers	Unspecified	247041-55-0
D-glucopyranoside, hexyl	C ₁₂ H ₂₄ O ₆	54549-24-5
Zinc, [29H,31H-phthalocyaninato (2-)-kappaN29, kappaN30, kappaN31, kappaN32]-, (SP-4-1)-	C ₃₂ H ₁₆ N ₈ Zn	14320-04-8
Dimethyl isosorbide	C ₈ H ₁₄ O ₄	5306-85-4
Nickelate(6-), bis[.mu.-[5-[2-[2-(hydroxy-.kappa.O)-3,7-disulfo-1-naphthalenyl]diazanyl-.kappa.N2]-1H-1,2,4-triazole-3-carboxylato(5-)-.kappa.N1:.kappa.N2]]di-, hydrogen (1:6)	C ₂₆ H ₈ N ₁₀ Ni ₂ O ₁₈ S ₄ .6H	1023309-94-5
Quaternary ammonium compounds, coco alkylbis(hydroxyethyl)methyl, ethoxylated, [29H,31H-phthalocyanine-C,C-disulfonato(4-)-.kappa.N29,.kappa.N30,.kappa.N31,.kappa.N32]cuprate(2-) (2:1)	Unspecified	1140527-05-4

Terpenes and Terpenoids, turpentine-oil, limonene fraction, polymers with 1-methyl-4-(1-methylethenyl)cyclohexene, styrene and turpentine-oil .alpha.-pinene fraction terpenes	Unspecified	1140527-06-5
Alkenes, C7-16, polymers with C11-20 alkenes	Unspecified	1140526-93-7
1,3-Benzenedicarboxylic acid, polymer with 2,2-dimethyl-1,3-propanediol, dodecanedioic acid, 2-ethyl-2-(hydroxymethyl)-1,3-propanediol, 1,3-isobenzofurandione, 2-methyl-1,3-propanediol and 1,2-propanediol	(C ₁₂ H ₂₂ O ₄ .C ₈ H ₆ O ₄ . C ₈ H ₄ O ₃ .C ₆ H ₁₄ O ₃ . C ₅ H ₁₂ O ₂ .C ₄ H ₁₀ O ₂ .C ₃ H ₈ O ₂)x	180150-77-0
Siloxanes and Silicones, di-Me, 3-hydroxypropyl Me, ethers with polyethylene glycol mono(hydrogen sulfobutanedioate), sodium salts	Unspecified	143959-38-0

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

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

Table 3

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

CHEMICAL NAME	MOLECULAR FORMULA	CAS NUMBER
Nonitol, 1,2,3-trideoxy-4,6:5,7-bis-O-[(4-propylphenyl)methylene]-	C ₂₉ H ₄₀ O ₆	882073-43-0
Alcohols C12-C14 secondary, beta-(2-hydroxyethoxy), ethoxylated	Unspecified	146340-15-0

24 NOTICE OF AMENDMENTS TO THE AUSTRALIAN INVENTORY OF CHEMICAL SUBSTANCES

Notice is given, in accordance with subsection 20(b) of the *Industrial Chemicals (Notification and Assessment) Act 1989* that the following amendments have been made to the Australian Inventory of Chemical Substances.

Table 4

Amendment to the Australian Inventory of Chemical Substances

1. The AICS contains the following listing:

CHEMICAL NAME	MOLECULAR FORMULA	CAS NUMBER
Diatomaceous silica, calcined	Unspecified	61790-53-2

After amendment the AICS listing is:

CHEMICAL NAME	MOLECULAR FORMULA	CAS NUMBER
Kieselguhr, calcined	Unspecified	91053-39-3
Associated Name: calcined diatomaceous earth		

The amendment is made to correct the registry number and the chemical name for the chemical "Diatomaceous silica, calcined" which was originally nominated during the establishment of the AICS.

If you have been introducing this chemical, please update your MSDS to reflect the amended chemical name and registry number.

The chemical with CAS registry number 61790-53-2 is now listed under the CAS chemical name, Kieselguhr (Associated names: Celite, Diatomaceous earth).

2. A correction of the CAS registry number for the chemical published in the 5 May 09 Chemical Gazette:

- 2-Propenoic acid, polymer with N,N-dimethyl-2-propenamide, 2-methyl-2-[(1-oxo-2-propenyl)amino]-1-propanesulfonic acid monosodium salt and sodium 2-propenoate.

On page 48, the chemical registry number "187775-30-0" should read "187725-30-0".