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NICNAS

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

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1 SUMMARY OF DATA COLLECTED BY NICNAS ON USES OF PERFLUOROOCTANOIC ACID (PFOA) AND ITS DERIVATIVES

Introduction:

The Director of NICNAS sought information under section 48 of the *Industrial Chemicals (Notification and Assessment) Act 1989* (the Act) on perfluorooctanoic acid (PFOA) and its derivatives, including, telomers which may degrade to PFOA. A notice calling for the information was published in the *Chemical Gazette* of 6 June 2003. This notice can be accessed at: www.nicnas.gov.au/publications/gazette/pdf/2003jun_whole.pdf#page=65.

The call for information was directed to all persons who had manufactured or imported one or more of the chemicals or products containing these chemicals since January 2002 and to the date of this notice. Other persons with information on these chemicals including, users and past importers or manufacturers were also encouraged to provide information.

To assist the call for information, NICNAS identified from internal and commercial databases, industry associations and companies for which the call for information may be applicable. These industry associations and companies were contacted to ascertain whether or not they were importing, manufacturing or using PFOA and its derivatives, including, telomers which may degrade to PFOA.

PFOA-based chemicals and chemicals which could degrade to PFOA are of interest because PFOA may be hazardous to human health and the environment. A United States Environmental Protection Agency (US EPA) preliminary risk assessment of PFOA published in April 2003 states that PFOA and its salts are persistent in the environment.

PFOA, also known as perfluorooctanoic acid, perfluorooctanoate and 1-octanoic acid 2,2, 3,3, 4,4, 5,5 6,6, 7,7 8, 8-pentadecafluoro, is a fully fluorinated eight-carbon chain carboxylic acid (CAS Registry Number 335-67-1). Common derivatives of PFOA include the ammonium ("APFO"), sodium, potassium and silver salts of the acid.

Fluorinated telomers, also known as telomers, are small fluorine-containing polymers. Concerns have been raised that certain telomers may break down or degrade to form PFOA in the environment.

NICNAS notes it is likely that some importers and users may not know if products contain PFOA and its derivatives (including, telomers which may degrade to PFOA) because such chemical ingredients may not be mentioned on Material Safety Data Sheets.

Data Collected:

Eleven companies responded to the call for information. A summary of the information collected is provided below in accordance with section 50A of the Act.

Manufacture

No manufacture of PFOA, PFOA derivatives or telomer chemicals that may degrade to PFOA has been reported in Australia.

Importation and Use

Primer for non-stick metal cookware

The import of a liquid fluoropolymer surfactant dispersion product is reported. The importation equates to approximately 50 gm and 25 gm of PFOA in 2003 and 2004, respectively.

The factory-applied, oven-baked dispersion coating is used for coating metal cookware and is intended to impart a continuous solid non-stick coating to the metal surface. Volatilisation and destruction of PFOA is reported during the manufacturing process which fuses the fluoropolymer to the metal surface and involves a thermal step at 350-400° C.

Fluoropolymer dispersion- polymer in paints

The import of a fluoropolymer dispersion polymer for use in paints is reported. The importation equates to 10 kg annually of PFOA.

Fire-fighting foam

The import in the past of two fluorosurfactant products for use in the manufacture of Class B fire fighting foam is reported. The importation equated to approximately 48 gm and 0.6 gm of PFOA in 2002 and 2003, respectively. The importation and sale of the products in Australia was discontinued in 2003.

Textile and carpet protection

Textile and carpet protection products containing some fluoropolymers are imported into Australia. Information has been received from importers and suppliers that research is presently being undertaken internationally via the Telomer Research Program (in conjunction with the United States Environmental Protection Agency) to determine whether these products may degrade to PFOA.

Other uses of telomers

Additional polymers that include monomers based on perfluorinated telomers are reported. These chemicals have been assessed by the NICNAS New Chemicals program and are currently in use under certificate. These chemicals have applications in fabric protection, surface coating and printing. Under section 64(2)(e) of the *Industrial Chemicals Notification and Assessment Act 1989*, there is a requirement that introducers of these chemicals must notify the Director (NICNAS) of any additional information that has become available (within 28 days of the occurrence) as to the adverse health or environmental effects of these chemicals.

2 UPDATE ON THE ROTTERDAM CONVENTION ON THE PRIOR INFORMED CONSENT PROCEDURE FOR CERTAIN HAZARDOUS CHEMICALS AND PESTICIDES IN INTERNATIONAL TRADE AND SUBSEQUENT NATIONAL ACTIVITIES

The 11th Intergovernmental Negotiating Committee (INC) Meeting of the Rotterdam Convention was held on 18th September 2004 and the first Conference of the Parties (COP-1) from 20 to 24 September 2004 in Geneva.

The Conference of the Parties approved the listing of fourteen chemicals in Annex III of the Convention with a date of entry into force of 1 February 2005. Six of these are industrial chemicals. These are:

- Actinolite
- Tremolite
- Amosite
- Anthophyllite
- Tetraethyl lead and,
- Tetramethyl lead.

As a Party to the Convention, Australia has to determine if we wish to receive these chemicals into Australia and forward an “import response” to the PIC Secretariat. Australia needs to respond no later than 9 months from the effective date.

The first four chemicals are the amphibole forms of asbestos. The importation and use of amphibole asbestos are severely restricted in Australia. NICNAS will finalise an import response for tetraethyl and tetramethyl lead following consultation with Commonwealth and State and Territory governments and the chemical industry.

Persons importing, exporting or using tetraethyl and/or tetramethyl lead can contact Dr Sneha Satya phone 02 8577 8880 email sneha.satya@nicnas.gov.au for further information.

The text of the Rotterdam Convention can be accessed at www.pic.int
Information on the Rotterdam Convention is also available on the NICNAS website at <http://www.nicnas.gov.au/foreign/treaties/pic.asp>

3 TRAINING FOR CUSTOMS BROKERS

NICNAS has received numerous enquiries from Customs Brokers about training sessions on NICNAS Registration requirements and how to promote compliance with the *Industrial Chemicals (Notification and Assessment) Act 1989*.

During November and December, NICNAS will be running free Seminars in Sydney and Perth for Customs Brokers. The Seminars will cover the new registration requirements which affect all importers of industrial chemicals, and the new exporter requirements under the Rotterdam Convention on the Prior Informed Consent Procedure for Certain Hazardous Chemicals and Pesticides in International Trade (Rotterdam Convention).

These sessions are important for all Customs Brokers involved in importing and/or exporting industrial chemicals. Information about the Seminars and registration details are found on the NICNAS website at www.nicnas.gov.au

NICNAS is also seeking expressions of interest from other cities, as more sessions will be planned if numbers are sufficient.

4 COMMENT ON PROPOSED AMENDMENTS TO NATIONAL WORKPLACE EXPOSURE STANDARDS

The National Occupational Health and Safety Commission (NOHSC) invites public comment on proposed amendments to national workplace exposure standards. NOHSC is proposing to include skin notations in national exposure standards for the following substances:

Chloroform	Monochloroacetic acid
Cumene	Piperidine
Lindane [Gamma-HCH-hexachlorocyclohexane]	(2-Methoxymethylethoxy) propanol
Mercury: aryl compounds (as Hg)	1-Methoxy-2-propanol acetate
Mercury: inorganic monovalent compounds (as Hg)	Sulfotep
Toluene	2-Butoxyethyl acetate
1-Methyl-2-pyrrolidone	1,1-Dichloroethane

Exposure standards are guides to the safe use of chemicals in the workplace. The proposed standards give details on the acceptable concentration of substances in the worker's breathing zone, to limit the risk of adverse health effects.

When fast-track chemicals sourced from the British Health and Safety Executive batches 1-4 were released for public consultation, comment was not sought on the inclusion of a skin notation in relation to a number of the chemicals. A skin notation indicates that absorption through the skin may be a significant contribution to the overall exposure to a chemical. While comment was not specifically sought on the skin notation provisions, documentation relating to skin notation was incorporated in the original documents released for public comment.

A Public Consultation Paper which provides a description of the proposed amendments and details how to provide your comment, is available free of charge by downloading from the NOHSC Website at:

<http://www.nohsc.gov.au/PublicComment>

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

- Telephone Freecall 1800 552 488 – at the prompts speak slowly and clearly. State your name, postal address and the name of the publication you require; or
- Fax to (02) 6279 1150 – mark your fax 'Proposed amendments to *Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment* [NOHSC:1003(1995)]. Attention: Chemical Standards Team' and include your name and postal address; or
- Email to alan.yee@nohsc.gov.au – title your email 'Proposed amendments to the *Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment* [NOHSC:1003(1995)] in the subject line and include your name and postal address.

NOHSC will review the proposed amendments in light of public comment received and make final recommendations mid 2005. Following declaration by NOHSC, the final exposure standards will be considered for adoption by the Australian, State and Territory Governments for use in their legislative frameworks.

Public comment closes on 31 January 2005

5 NICNAS REGISTRATION TIER 1 EXTENSION ON RETURN DATE FOR FORMS

The date to return completed NICNAS Registration Tier 1 forms has been extended from 25 October 2004 to Tuesday 30 November 2004. For more information on NICNAS Registration and Tier 1 training, please refer to: <http://www.nicnas.gov.au/obligations/registration>.

5 PUBLICATION SUMMARY REPORT

X-93-532
Summary Report
Reference No: LTD/1137

Admil Adhesives Pty Ltd (ABN 85 092 730 562) of 5 Alimar Road, Glen Waverley, VIC, has submitted a limited notification statement in support of their application for an assessment certificate for X-93-532. The notified polymer is intended to be used as a curing agent present in silicone sealants. These are used in industries such as the electronics and construction industry. Up to three tonnes of the notified polymer will be imported per annum for each of the first five years.

ASSESSMENT OF PUBLIC, OCCUPATIONAL HEALTH AND SAFETY AND ENVIRONMENTAL EFFECTS

Hazard Assessment

No toxicity data were submitted, therefore, the notified polymer cannot be classified under the NOHSC *Approved Criteria for Classifying Hazardous Substances*.

Occupational Health and Safety

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

Public Health

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

Environmental Effects

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

RECOMMENDATIONS

Control Measures Occupational Health and Safety

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

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

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

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

Disposal

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

Emergency procedures

- Spills/release of the notified polymer should be handled by shutting off all ignition sources, containing the spill or leak, and scraping up with rag or other material and placing in container

Secondary Notification

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

Under subsection 64(2) of the Act:

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

The Director will then decide whether secondary notification is required.

No additional secondary notification conditions are stipulated.

6 PUBLICATION SUMMARY REPORT

X-31-1550
Summary Report
Reference No: LTD/1138

Admil Adhesives Pty Ltd (ABN 85 092 730 562) of 5 Alimar Road, Glen Waverley, VIC, has submitted a limited notification statement in support of their application for an assessment certificate for X-31-1550. The notified chemical is intended to be used as a curing agent present in silicone sealants. These are used in industries such as the electronics and construction industry. Up to one tonne of the notified chemical will be imported per annum for each of the first five years.

ASSESSMENT OF PUBLIC, OCCUPATIONAL HEALTH AND SAFETY AND ENVIRONMENTAL EFFECTS

Hazard Assessment

As the notified chemical is an organotin compound, it is subject to the NOHSC exposure standard for this class of chemicals and is therefore included on the List as a hazardous substance.

Occupational Health and Safety

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

Public Health

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

Environmental Effects

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

RECOMMENDATIONS

Regulatory Controls

Hazard Classification

- The notified chemical is a hazardous substance and all necessary controls and precautions under Australian hazardous substances legislations must be implemented.

AICS Listing

- When the notified chemical is added to the Australian Inventory of Chemical Substances (AICS), it should be annotated with the following condition of use:
 - for use in imported sealants at less than 3%.
- For all other types of introduction the notified chemical will be regarded under the Act as a new chemical, and therefore subject to notification and assessment.

Control Measures Occupational Health and Safety

- Employers should implement the following safe work practices to minimise occupational exposure during handling of the notified chemical as introduced.
 - Avoid contact with skin and eyes
- No specific engineering controls or personal protective equipment are required for the safe use of the notified chemical as introduced (<1% in product), however, these should be selected on the basis of all ingredients in the formulation.

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

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

Environment

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

Disposal

- The notified chemical should be incinerated in a suitable incineration plant observing local authority regulations.
- The waste material containing the notified chemical should be disposed of to landfill.

Emergency procedures

- In case of spill, contain the spill or leak. Scrape up with rag or dry inert material (e.g. sand, vermiculite) and place into appropriately labelled drums for disposal as chemical waste.

Secondary Notification

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

Under subsection 64(1) of the Act; if

- the importation volume exceeds one tonne per annum notified chemical; or
- the notified chemical is introduced at a concentration $\geq 3\%$

or

Under subsection 64(2) of the Act:

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

The Director will then decide whether secondary notification is required. For secondary notification a full suite of toxicological and ecotoxicological data for the notified chemical will be required.

7 PUBLICATION SUMMARY REPORT

Muscenone Delta Summary Report Reference No: LTD/1147

Firmenich Ltd (ACN 002 964 794) 73 Kenneth Road Balgowlah NSW 2093 has submitted a limited notification statement in support of their application for an assessment certificate for Muscenone Delta. The notified chemical is intended to be used as a fragrance ingredient in a variety of cosmetic and domestic products. Domestic products and cosmetics will be formulated with fragrance preparations containing the notified chemical is largely automated batch processes. The products will then be distributed to retail outlets. Less than 150 kg of the notified chemical will be imported per annum for each of the first five years.

ASSESSMENT OF PUBLIC, OCCUPATIONAL HEALTH AND SAFETY AND ENVIRONMENTAL EFFECTS

Hazard Assessment

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

R43: May cause sensitisation by skin contact

Occupational Health and Safety

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

Public Health

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

Environmental Effects

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

RECOMMENDATIONS

Regulatory Controls

Hazard Classification and Labelling

- The NOHSC Chemicals Standards Sub-committee should consider the following health hazard classification for the notified chemical:
 - R43: May cause sensitisation by skin contact
- Use the following risk phrases for products/mixtures containing the notified chemical:
 - > 1%: R43: May cause sensitisation by skin contact

Control Measures

Occupational Health and Safety

- Employers should implement the following engineering controls to minimise occupational exposure to the notified chemical as introduced:
 - Local exhaust ventilation should be provided at points of likely release during product formulation.
- Employers should ensure that the following personal protective equipment is used by workers to minimise occupational exposure to the notified chemical as introduced:
 - To preclude contact with hazardous components of the imported formulations containing the notified chemical, natural rubber gloves, safety goggles and protective clothing. Respiratory protection should be provided where general ventilation is inadequate.

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

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

Environment

Disposal

- The notified chemical should be disposed of to landfill and not discharged to drains, soil or the aquatic environment.

Storage

- The following precautions should be taken regarding storage of the notified chemical:
 - Store in closed, preferably full, containers away from heat sources and protected from extremes of temperature. Do not reuse the empty container.

Emergency procedures

- Spills/release of the notified chemical should be cleaned up by using any absorbent which should be disposed of promptly, preferably by incineration as some cases of spontaneous combustion of rags soaked with similar materials have been reported.
- Gross spillages should be contained by the use of sand or inert powder, and disposal should be to landfill in accordance with government regulations.

Secondary Notification

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

Under Section 64(1) of the Act; if

- the importation volume is predicted to exceed that notified;

or

Under Section 64(2) of the Act:

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

The Director will then decide whether secondary notification is required. If a significant increase in import volume is notified, the Director may require data on the chronic effects on fish and further data on terrestrial phytotoxicity at this time.

8 PUBLICATION SUMMARY REPORT

Polymer in EFKA-4300 Summary Report Reference No: LTD/1149

Ciba Specialty Chemicals Pty Ltd (ABN 97 005 061 469) of 235 Settlement Road, Thomastown VIC 3074 and Multichem Pty Ltd (ABN 47006 115 886) of Suite 6, 400 High Street, Kew VIC 3101 have submitted a limited notification statement in support of their application for an assessment certificate for Polymer in EFKA-4300. The notified polymer is intended to be used as an additive in solvent based automotive paints. The notified polymer will be imported as a component of EFKA-4300 and incorporated in paints that will be applied to automotive components by spraying. Up to 10 tonnes of the notified polymer will be imported per annum for each of the first five years.

ASSESSMENT OF PUBLIC, OCCUPATIONAL HEALTH AND SAFETY AND ENVIRONMENTAL EFFECTS

Hazard Assessment

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

Occupational Health and Safety

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

Public Health

There is Negligible Concern to public health when used as a paint additive.

Environmental Effects

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

RECOMMENDATIONS

Control Measures

Occupational Health and Safety

- Employers should implement the following isolation and engineering controls to minimise occupational exposure to the notified polymer:
 - Closed tanks and lines for formulation and filling of paint containing the notified polymer;
 - Use of engineering controls in spray painting to minimise exposure of workers.
- Employers should implement the following safe work practices to minimise occupational exposure during handling of the notified polymer;
 - Avoid splashing, spills and generation of aerosols during formulation and filling processes;

- Spray application of paint containing the notified polymer should be in accordance with the NOHSC *National Guidance Material for Spray Painting*
- Workers using spray products containing the notified polymer should be instructed in their proper handling and use, including information about the additional risks posed by spray application.
- Employers should ensure that the following personal protective equipment is used by workers to minimise occupational exposure to the notified polymer:
 - Protective gloves
 - Safety glasses or goggles
 - Industrial clothing
 - Respiratory protection during spray painting, or if aerosols are formed
 - Full body protection during spray painting

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

- The MSDS for EFKA-4300 containing the notified polymer should be altered to include information on possible health effects from a residual monomer that is a skin sensitiser. It is recommended that the Acute Health Effects –Skin section of the MSDS include the statement “May cause sensitisation by skin contact as low levels of a sensitising chemical are present” in place of the first sentence of that section, and the first word of the second sentence of the section.
- A copy of the MSDS should be easily accessible to employees.
- If products and mixtures containing the notified chemical are classified as hazardous to health in accordance with the NOHSC *Approved Criteria for Classifying Hazardous Substances*, workplace practices and control procedures consistent with provisions of State and Territory hazardous substances legislation must be in operation.

Environment

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

Disposal

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

Emergency procedures

- Spills/release of the notified polymer should be contained by soaking up with inert absorbent material and dispose of as special waste in compliance with local and State regulations as recommended in the MSDS.

- Use detergent in cleaning up.
- Prevent product from entering drains.

Secondary Notification

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

Under Subsection 64(1) of the Act; if

- Due to the potential cationic nature of the notified polymer, there are any changes to the use pattern which significantly increase the potential for aquatic exposure, whereby full ecotoxicity studies for fish, daphnia and algae would need to be submitted for assessment.

or

Under Subsection 64(2) of the Act:

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

The Director will then decide whether secondary notification is required.

9 PUBLICATION SUMMARY REPORT

Polymer in EFKA-4570 Summary Report Reference No: LTD/1150

Ciba Specialty Chemicals Pty Ltd (ABN 97 005 061 469) of 235 Settlement Road, Thomastown VIC 3074 and Multichem Pty Ltd (ABN 47006 115 886) of Suite 6, 400 High Street, Kew VIC 3101 have submitted a limited notification statement in support of their application for an assessment certificate for Polymer in EFKA-4570. The notified polymer is intended to be used as an additive in water and solvent based automotive paints. The notified polymer will be imported as a component of EFKA-4570 and incorporated in paints that will be applied to automotive components by spraying. Up to 10 tonnes of the notified polymer will be imported per annum for each of the first five years.

ASSESSMENT OF PUBLIC, OCCUPATIONAL HEALTH AND SAFETY AND ENVIRONMENTAL EFFECTS

Hazard Assessment

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

Occupational Health and Safety

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

Public Health

There is Negligible Concern to public health when used as a paint additive.

Environmental Effects

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

RECOMMENDATIONS

Control Measures

Occupational Health and Safety

- Employers should implement the following isolation and engineering controls to minimise occupational exposure to the notified polymer:
 - Closed tanks and lines for formulation and filling of paint containing the notified polymer;
 - Use of engineering controls in spray painting to minimise exposure of workers.
- Employers should implement the following safe work practices to minimise occupational exposure during handling of the notified polymer;
 - Avoid splashing, spills and generation of aerosols during formulation and filling processes;

- Spray application of paint containing the notified polymer should be in accordance with the NOHSC *National Guidance Material for Spray Painting*
- Workers using spray products containing the notified polymer should be instructed in their proper handling and use, including information about the additional risks posed by spray application.
- Employers should ensure that the following personal protective equipment is used by workers to minimise occupational exposure to the notified polymer:
 - Protective gloves
 - Safety glasses or goggles
 - Industrial clothing
 - Respiratory protection during spray painting, or if aerosols are formed
 - Full body protection during spray painting

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

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

Environment

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

Disposal

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

Emergency procedures

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

Secondary Notification

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

Under Subsection 64(1) of the Act; if

- Due to the potential cationic nature of the notified polymer, there are any changes to the use pattern which significantly increases the potential for aquatic exposure, whereby full ecotoxicity studies for fish, daphnia and algae would need to be submitted for assessment.

or

Under Subsection 64(2) of the Act:

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

The Director will then decide whether secondary notification is required.

10 PUBLICATION SUMMARY REPORT

**Polymer in EFKA-4580
Summary Report
Reference No: LTD/1151**

Ciba Specialty Chemicals Pty Ltd (ABN 97 005 061 469) of 235 Settlement Road, Thomastown VIC 3074 and Multichem Pty Ltd (ABN 47006 115 886) of Suite 6, 400 High Street, Kew VIC 3101 have submitted a limited notification statement in support of their application for an assessment certificate for Polymer in EFKA-4580. The notified polymer is intended to be used as an additive in water-based automotive paints. The notified polymer will be imported as a component of EFKA-4580 and incorporated in paints that will be applied to automotive components by spraying. Up to 10 tonnes of the notified polymer will be imported per annum for each of the first five years.

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

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

Occupational Health and Safety

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

Public Health

There is Negligible Concern to public health when used as a paint additive.

Environmental Effects

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

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

- Employers should implement the following isolation and engineering controls to minimise occupational exposure to the notified polymer:
 - Closed tanks and lines for formulation and filling of paint containing the notified polymer;
 - Use of engineering controls in spray painting to minimise exposure of workers.
- Employers should implement the following safe work practices to minimise occupational exposure during handling of the notified polymer;
 - Avoid splashing, spills and generation of aerosols during formulation and filling processes;

- Spray application of paint containing the notified polymer should be in accordance with the NOHSC *National Guidance Material for Spray Painting*;
- Workers using spray products containing the notified polymer should be instructed in their proper handling and use, including information about the additional risks posed by spray application.
- Employers should ensure that the following personal protective equipment is used by workers to minimise occupational exposure to the notified polymer:
 - Protective gloves
 - Safety glasses or goggles
 - Industrial clothing
 - Respiratory protection during spray painting, or if aerosols are formed
 - Full body protection during spray painting

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

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

Environment

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

Disposal

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

Emergency procedures

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

Secondary Notification

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

Under Subsection 64(1) of the Act; if

- Due to the potential cationic nature of the notified polymer, there are any changes to the use pattern which significantly increases the potential for aquatic exposure, whereby full ecotoxicity studies for fish, daphnia and algae would need to be submitted for assessment.

or

Under Subsection 64(2) of the Act:

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

The Director will then decide whether secondary notification is required.

11 PUBLICATION SUMMARY REPORT

Wolfwood Summary Report Reference No: LTD/1158

Firmenich Ltd (ABN 86 002 964 794) of 73 Kenneth Road, Balgowlah NSW 2093 has submitted a limited notification statement in support of their application for an assessment certificate for Wolfwood. The notified chemical is intended to be used as a fragrance ingredient in cosmetic and domestic products. It will be imported in liquid fragrances, which will be reformulated in Australia to produce consumer products. Up to 150 kilograms of the notified chemical will be imported per annum for each of the first five years.

ASSESSMENT OF PUBLIC, OCCUPATIONAL HEALTH AND SAFETY AND ENVIRONMENTAL EFFECTS

Hazard Assessment

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

R34 Causes burns

R43 May cause sensitisation by skin contact

The notified chemical is classified as a Class 9 Dangerous Good on the basis of its toxicity to aquatic organisms.

Occupational Health and Safety

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

Public Health

There is No Significant Concern to public health when used as an ingredient in consumer products as described in the notification.

Environmental Effects

The chemical is not considered to pose a risk to the environment based on its reported use pattern and PEC/PNEC ratio <1.

RECOMMENDATIONS

Regulatory Controls

Hazard Classification and Labelling

- The NOHSC Chemicals Standards Sub-committee should consider the following hazard classification for the notified chemical:
 - R34 Causes burns
 - R43 May cause sensitisation by skin contact
 - S24 Avoid contact with skin

- S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
- S36/37/39 Wear suitable protective clothing, gloves and eye/face protection
- S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)
- Use the following risk phrases for products/mixtures containing the notified chemical:
 - 1-5%: R43 May cause sensitisation by skin contact
 - 5-10%:
 - R43 May cause sensitisation by skin contact
 - R36/38 Irritating to eyes and skin
 - $\geq 10\%$:
 - R43 May cause sensitisation by skin contact
 - R34 Causes burns
- The notified chemical should be classified under the ADR code: Class 9 – Miscellaneous Dangerous Goods and Articles

Control Measures

Occupational Health and Safety

- Employers should implement the following engineering controls to minimise occupational exposure to the notified chemical:
 - Closed system during mixing and blending of the ingredients with fragrance preparations containing the notified chemical.
 - Local exhaust ventilation if the mixing vessel is open
- Employers should implement the following safe work practices to minimise occupational exposure during handling of the notified chemical:
 - Prevent splashes and spills.
- Employers should ensure that the following personal protective equipment is used by workers to minimise occupational exposure to the notified chemical during formulation of the fragrance preparations containing it with consumer products:
 - Chemical resistant gloves, protective overalls and goggles/faceshield

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

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

Disposal

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

Emergency procedures

Spills/release of the notified chemical should be contained as described in the MSDS (i.e. by sand or inert powder) and the material disposed of in accordance with Government regulations.

Secondary Notification

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

Under subsection 64(1) of the Act; if

- The importation volume exceeds one tonne per annum notified chemical; or
- The notified chemical is itself manufactured locally or imported

or

Under subsection 64(2) of the Act:

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

The Director will then decide whether secondary notification is required.

No additional secondary notification conditions are stipulated.

Should import levels rise above 1 tonne per annum, a chronic daphnia study should be submitted for assessment.

12 PUBLICATION SUMMARY REPORT

Helvetolide Summary Report Reference No: LTD/1159

Firmenich Ltd (ABN 86 002 964 794) of 73 Kenneth Road, Balgowlah NSW 2093 has submitted a limited notification statement in support of their application for an assessment certificate for Helvetolide. The notified chemical is intended to be used as a fragrance ingredient in cosmetic and domestic products. It will be imported in liquid fragrances, which will be reformulated in Australia to produce consumer products. Up to 350 kilograms of the notified chemical will be imported per annum for each of the first five years.

ASSESSMENT OF PUBLIC, OCCUPATIONAL HEALTH AND SAFETY AND ENVIRONMENTAL EFFECTS

Hazard Assessment

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

Occupational Health and Safety

There is Low Concern to occupational health and safety under the conditions of the occupational settings described, provided closed systems or personal respiratory equipment are used for any reformulation operations in which aerosols are likely to be formed.

Public Health

There is No Significant Concern to public health when used as an ingredient in consumer products as described in the notification.

Environmental Effects

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

RECOMMENDATIONS

Regulatory Controls

Hazard Classification and Labelling

- The notified chemical should be classified as follows under the ADG Code:
 - Class 9-Miscellaneous Dangerous Goods and Articles

Control Measures

Occupational Health and Safety

- Employers should implement the following engineering controls to minimise occupational exposure to the notified chemical:
 - Closed system during mixing and blending of ingredients with fragrance preparations containing the notified chemical, particularly if aerosol formation is likely.

- Local exhaust ventilation if the mixing vessel is open.
- Employers should implement the following safe work practices to minimise occupational exposure during handling of the notified chemical:
 - Prevent splashes and spills.
- Employers should ensure that the following personal protective equipment is used by workers to minimise occupational exposure to the notified chemical during formulation of fragrance preparations containing it into consumer products:
 - Chemical resistant gloves, protective overalls and goggles/faceshield.
 - Personal respiratory equipment if aerosols are produced in an open system.

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

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

Disposal

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

Emergency procedures

Spills/release of the notified chemical should be contained as described in the MSDS (i.e. by sand or inert powder) and collected in labelled sealable containers for disposal in accordance with Government regulations.

Secondary Notification

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

Under subsection 64(1) of the Act; if

- The importation volume exceeds one tonne per annum notified chemical; or
- The notified chemical is itself manufactured locally or imported

or

Under subsection 64(2) of the Act:

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

The Director will then decide whether secondary notification is required.

No additional secondary notification conditions are stipulated.

13 PUBLICATION SUMMARY REPORT

**Romascone
Summary Report
Reference No: LTD/1161**

Firmenich Ltd (ABN 86 002 964 794) of 73 Kenneth Road Balgowlah NSW 2093 has submitted a limited notification statement in support of their application for an assessment certificate for Romascone. The notified chemical is intended to be used as a fragrance ingredient in a variety of cosmetic and domestic products. The notified chemical will not be manufactured in Australia. It will be imported as a component of liquid compounded fragrances (maximum 1%), which will be reformulated in Australia to produce the final consumer products. In the consumer products, the concentration of the notified chemical will be a maximum of 0.2% in fine perfumes, and a maximum of 0.005% in other cosmetic products and domestic products. Less than 1 tonne of the notified chemical will be imported per annum for each of the first five years.

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

The notifier has indicated that the notified chemical is classified as hazardous. The classification and labelling details are:

R38 – Irritating to skin.

Occupational Health and Safety

There is Low Concern to occupational health and safety under the conditions of the occupational settings described, provided closed systems or personal respiratory equipment are used for any reformulation operations.

Public Health

There is No Significant Concern to public health when used as an ingredient in consumer products as described in the notification.

Environmental Effects

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

RECOMMENDATIONS

Regulatory Controls

Hazard Classification and Labelling

- Use the following risk phrases for products/mixtures containing the notified chemical:
 - $\geq 20\%$: R38 - Irritating to skin

Control Measures

Occupational Health and Safety

- Employers should implement the following engineering controls to minimise occupational exposure to the notified chemical:
 - Closed system during mixing and blending of ingredients with fragrance preparations containing the notified chemical, particularly if aerosol formation is likely.
 - Local exhaust ventilation during mixing and blending of ingredients with fragrance preparations containing the notified chemical.
- Employers should implement the following safe work practices to minimise occupational exposure during handling of the notified chemical:
 - Prevent splashes and spills.
- Employers should ensure that the following personal protective equipment is used by workers to minimise occupational exposure to the notified chemical during formulation of fragrance preparations containing it into consumer products:
 - Chemical resistant gloves, protective overalls and goggles/faceshield.
 - Personal respiratory equipment during mixing and blending of ingredients with fragrance preparations containing the notified chemical.

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

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

Disposal

- The notified chemical should be disposed of to landfill.

Emergency procedures

- Gross spillages should be contained by the use of sand or inert powder. Any absorbent rags used for cleaning up spills should be disposed of promptly, preferably by incineration.
- Do not discharge directly into drains, soil or the aquatic environment.

Secondary Notification

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

Under Section 64(1) of the Act; if

- the importation volume exceeds one tonne per annum notified chemical;
- or

Under Section 64(2) of the Act:

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

The Director will then decide whether secondary notification is required.

14 PUBLICATION SUMMARY REPORT

L-Tyrosine methyl ester hydrochloride Summary Report Reference No: STD/1113

Procter & Gamble Australia Pty Ltd (ABN 91 008 396 245) of 320 Victoria Road Rydalmere NSW 2116 has submitted a standard notification statement in support of their application for an assessment certificate for L-Tyrosine methyl ester hydrochloride. The notified chemical is intended to be used as a hair conditioning agent at maximum 0.014% in leave-on or rinse-off haircare formulations, which will be supplied in consumer size packages ready for retail sale. Up to 1125 kg of the notified chemical will be imported per annum for each of the first five years.

ASSESSMENT OF PUBLIC, OCCUPATIONAL HEALTH AND SAFETY AND ENVIRONMENTAL EFFECTS

Hazard Assessment

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

R36 – Irritating to eyes.

Occupational Health and Safety

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

Public Health

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

Environmental Effects

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

RECOMMENDATIONS

Regulatory Controls

Hazard Classification and Labelling

- The NOHSC Chemicals Standards Sub-committee should consider the following health hazard classification for the notified chemical:
 - R36 – Irritating to eyes.
- Use the following risk phrases for products/mixtures containing the notified chemical:
 - $\geq 20\%$: R36 (Obligatory) – Irritating to eyes.

Control Measures Occupational Health and Safety

- Employers should implement the following safe work practices to minimise occupational exposure during handling of the notified chemical as introduced in the lubricant additive package:
 - Adequate training for staff in safe handling procedures;

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

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

Disposal

- The notified chemical should be disposed of to landfill.

Emergency procedures

- Spills/release of the notified chemical should be handled by containing, adsorbing with inert, damp, non-combustible material and flushing the area with flooding amounts of water.
- Do not contaminate drainage or waterways.
- Avoid direct discharge into drains.

Secondary Notification

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

Under Section 64(2) of the Act:

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

The Director will then decide whether secondary notification is required.

No additional secondary notification conditions are stipulated.

15 PUBLICATION SUMMARY REPORT

**Z-54
Summary Report
Reference No: PLC/455**

Lubrizol International Inc (ABN 52 073 495 603) of 28 River Street Silverwater NSW 2128 has submitted a synthetic polymer of low concern (PLC) notification statement in support of their application for an assessment certificate for Z-54. The notified polymer is intended to be used as a detergent in passenger car and heavy-duty diesel engine oils. Less than 1000 tonnes of the notified polymer will be imported per annum for each of the first five years.

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

The notified polymer meets the PLC criteria and can therefore be considered to be of low hazard. The toxicological studies undertaken with notified polymer indicate that it has low acute oral toxicity and is not genotoxic nor mutagenic. No toxicological significant changes were observed in a subchronic repeat dose study.

Occupational Health and Safety

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

Public Health

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

Environmental Effects

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

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

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

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

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

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

Disposal

- The notified chemical will be a component of waste oil. It should be disposed of by recycling as waste oil or incinerated in accordance with approved State or Territory waste management regulations. Emptied containers (1-4 L) should be sent to landfill for disposal. Emptied drums should be sent to drum recyclers for steam cleaning prior to re-use, with wastewater treated and oil component concentrated prior to recycling as waste oil by licensed waste contractors. Every effort should be made to prevent the notified chemical from entering waterways.

Emergency procedures

- Spills/release of the notified chemical should be handled by stopping the source of the spill where possible. Then containing the release to prevent further contamination of soil, surface water or ground water. Clean up spill as soon as possible by applying non-combustible adsorbent materials in disposable containers and dispose of in a manner consistent with government regulations.

Secondary Notification

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

Under subsection 64(1) of the Act; if

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

or

Under subsection 64(2) of the Act:

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

The Director will then decide whether secondary notification is required.

16 PUBLICATION SUMMARY REPORT

**Polymer in Dynapol LS 436-12
Summary Report
Reference No: PLC/457**

Degussa Coatings & Colorants Pty Ltd (ABN 16 079 823 313) of 30 Commercial Drive Dandenong VIC 3175 has submitted a synthetic polymer of low concern (PLC) notification statement in support of their application for an assessment certificate for Polymer in Dynapol LS 436-12. The notified polymer will be imported as a 60% elastifying component of the product Dynapol LS 436-12 for use in the manufacture of solvent based pigment dispersions (which will then be incorporated into coloured inks and paints) and industrial can coatings. Up to 30 tonnes of the notified polymer will be imported per annum for each of the first five years.

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

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

Occupational Health and Safety

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

Public Health

There is Low Concern to public health when used in accord with directions printed on the label of consumer size paint products.

Environmental Effects

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

RECOMMENDATIONS**Control Measures
Occupational Health and Safety**

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

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

- In the interest of occupational health and safety, the following guidelines and precautions should be observed for use of Dynapol LS 436-12 and its end use products:
 - Adequate local and general ventilation in areas of formulation and application of paints, including the spray booth;
 - Documented standard operating instructions and procedures;
 - Adequate training for staff in handling paint products, including enforcing the adherence of industrial spray painters to the National Guidance Material for Spray Painting;
 - Implementation of general health surveillance and monitoring programs as required.
- A copy of the MSDS should be easily accessible to employees.
- If products and mixtures containing the notified polymer are classified as hazardous to health in accordance with the NOHSC *Approved Criteria for Classifying Hazardous Substances*, workplace practices and control procedures consistent with provisions of State and Territory hazardous substances legislation must be in operation.

Environment

- The following control measures should be implemented by the formulators to minimise environmental exposure during formulation and application of the paint containing the notified polymer:
 - Do not allow the notified polymer and paint products containing it to enter sewer or containers to contaminate drains, waterways or server.

Disposal

- The notified polymer wastes generated during industrial application should be disposed of through a licensed waste contractor.

Emergency procedures

- Spills/release of the notified polymer should be handled by qualified personnel. Do not flush into surface water or sanitary sewer system. Take up the spills mechanically or with an adsorbent material, either sand, diatomaceous earth, universal adsorbent or saw dust and dispose of appropriately.

Secondary Notification

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

Under subsection 64(1) of the Act; if

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

or

Under subsection 64(2) of the Act:

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

The Director will then decide whether secondary notification is required.

17 PUBLICATION SUMMARY REPORT

Infineum C9535 Summary Report Reference No: PLC/492

Infineum Australia Pty Ltd (ABN 24084881863) of 2/6 Riverside Quay, Southbank, VIC has submitted a synthetic polymer of low concern (PLC) notification statement in support of their application for an assessment certificate for Infineum C9535. The notified polymer is intended to be used as a cold flow additive for use in diesel fuels. One to two hundred tonnes of the notified polymer will be imported per annum for each of the first five years.

ASSESSMENT OF PUBLIC, OCCUPATIONAL HEALTH AND SAFETY AND ENVIRONMENTAL EFFECTS

Hazard Assessment

Based on the available toxicological data, the notified polymer is expected to display low acute oral and dermal toxicity, low repeated-dose toxicity and low potential for *in vitro* mutagenicity or clastogenicity. In addition, the notified polymer meets the PLC criteria and can therefore be considered to be of low hazard.

Occupational Health and Safety

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

Public Health

There is Negligible Concern to public health based on its reported use pattern.

Environmental Effects

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

RECOMMENDATIONS

Control Measures

Occupational Health and Safety

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

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

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

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

Disposal

- The notified polymer should be disposed of by incineration

Emergency procedures

Land spill

- If the notified polymer is spilled outside the workplace, the liquid should be prevented from entering sewers, watercourses or low areas. The liquid should be contained with sand or earth and recovered by pumping or by absorption into sand or earth before being disposed in an approved manner.

Water spill

- The spill should be removed from the surface of the water by skimming or with suitable absorbent. If appropriate, sinking and/or dispersants may be used in non-confined waters.

Secondary Notification

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

Under subsection 64(1) of the Act; if

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

or

Under subsection 64(2) of the Act:

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

The Director will then decide whether secondary notification is required.

18 ACCESS TO FULL PUBLIC REPORT

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

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

19 LOW VOLUME CATEGORY PERMITS

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

Table 1
Low Volume Category Permits

PERMIT NUMBER	COMPANY NAME	COMPANY POSTCODE	CHEMICAL OR TRADE NAME	HAZARDOUS SUBSTANCE	USE	DATE
665	Toyo Inks Australia Pty Ltd	3137	Silane Hexyltrimethoxy	Yes	Component of ink for testing	28/9/04
666	Chemetall (Australia) Pty Ltd	3153	HN-130	No	Surface coating	30/9/04
667	Epson Australia Pty Ltd	2113	Liojet WD Yellow 008C	No	Component of printing ink	30/9/04
669	Epson Australia Pty Ltd	2113	Liojet WD Magenta 008C	No	Component of printing ink	30/9/04

20 COMMERCIAL EVALUATION CATEGORY PERMIT

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

Table 2
Commercial Evaluation Category Permits

PERMIT NUMBER	COMPANY NAME	COMPANY POSTCODE	CHEMICAL OR TRADE NAME	HAZARDOUS SUBSTANCE	QUANTITY	USE	PERIOD APPROVED
596	Baker Petrolite	3195	FLO Alkene Copolymer	No	2000 kg	Hydrocarbon fluid additive	1 year
597	Mitsui & Co (Aust) Ltd	2000	FSH	Yes	2500 kg	Component of thermoset system	1 year

21 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 3

Chemicals Eligible for Listing on the Australian Inventory of Chemical Substances

CHEMICAL NAME	CAS NUMBER	MOLECULAR FORMULA
Cyclohexaneacetaldehyde, alpha-methyl-	2109-22-0	C ₉ H ₁₆ O
2-Propenoic acid, 2-methyl-, methyl ester, polymer with ethyl 2-propenoate, N-[(2-methylpropoxy)methyl]-2-propenamide and 2-propenoic acid	54640-88-9	(C ₈ H ₁₅ NO ₂ .C ₅ H ₈ O ₂ .C ₅ H ₈ O ₂ .C ₃ H ₄ O ₂) _x
1-Naphthalenamine, N-[(1,1,3,3-tetramethylbutyl)phenyl]-, reaction products with diphenylamine and 2,4,4-trimethylpentene	174514-04-6	Unspecified
1,3-Benzenedicarboxylic acid, polymer with 1,4-benzenedicarboxylic acid, decanedioic acid, 1,2-ethanediol and hexanedioic acid	28902-18-3	(C ₁₀ H ₁₈ O ₄ .C ₈ H ₆ O ₄ .C ₈ H ₆ O ₄ .C ₆ H ₁₀ O ₄ .C ₂ H ₆ O ₂) _x
Fatty acids, C14-18 and C16-18-unsatd., maleated	85711-46-2	Unspecified
Phenol, 4,4'-(1-methylethylidene)bis-, polymer with (chloromethyl)oxirane and oxirane, reaction products with N-(1,3-dimethylbutylidene)-N'-[2-[(1,3-dimethylbutylidene)amino]ethyl]-1,2-ethanediamine and 2-(methylamino)ethanol, hydrolyzed, acetates (salts)	744198-64-9	Unspecified
Isocyanic acid, polymethylenepolyphenylene ester, polymer with 2-ethyl-2-(hydroxymethyl)-1,3-propanediol and 1,2-propanediol,2-butoxyethanol- and 2-(2-butoxyethoxy)ethanol- and iso-Bu alc.- and 1-methoxy-2-propanol-blocked	744198-65-0	Unspecified

Propanoic acid, 2-hydroxy-, reaction products with bisphenol A-N-(1,3-dimethylbutylidene)-N'-[2-[(1,3-dimethylbutylidene)amino]ethyl]- 1,2-ethanediamine-2-(methylamino)ethanol polymer and hydrolyzed bisphenol A-epichlorohydrin polymer ether with polyethylene glycol	744198-60-5	Unspecified
Fatty acids, C10-20 and C16-18-unsatd., reaction products with triethanolamine, di-Me sulfate-quaternized	91995-81-2	Unspecified
Phenol, 4,4'-(1-methylethylidene)bis-, polymer with alpha-(2-aminomethylethyl)-omega-(2-aminomethylethoxy)poly[oxy(methyl-1,2-ethanediyl)], (chloromethyl)oxirane and alpha-(oxiranylmethyl)-omega-(oxiranylmethoxy)poly[oxy(methyl-1,2-ethanediyl)], monoacetate (salt)	740801-64-3	$(C_{15}H_{16}O_2 \cdot (C_3H_6O)_n C_6H_{16}N_2O \cdot (C_3H_6O)_n C_6H_{10}O_3 \cdot C_3H_5ClO)_x \cdot C_2H_4O_2$
1-Phenanthrenecarboxylic acid, 1,2,3,4,4a,4b,5,6,10,10a-decahydro-1,4a-dimethyl-7-(1-methylethyl)-, calcium salt, (1R,4aR,4bR,10aR)-	13463-98-4	$C_{20}H_{30}O_2 \cdot \frac{1}{2}Ca$
4H-3,1-Benzoxazin-4-one, 2,2'-(1,4-phenylene)bis-	18600-59-4	$C_{22}H_{12}N_2O_4$
2-[Bis(2-hydroxyethyl)amino]-1,3,5-triazin-4,6-diylbis{4-[2-(4-iminophenyl)vinyl-N-methylpyridinium dichloride	163661-77-6	$C_{35}H_{38}N_8O_2 \cdot 2Cl$
2,5-Furandione, polymer with (1-methyethenyl)benzene, sodium salt	60092-15-1	$(C_9H_{10} \cdot C_4H_2O_3)_x \cdot xNa$
2-Propenoic acid, telomer with 1-dodecanethiol and 2-ethylhexyl 2-propenoate	95038-69-0	$C_{12}H_{26}S \cdot (C_{11}H_{20}O \cdot 2 \cdot C_3H_4O_2)_x$
1,3-Benzenedicarboxylic acid, polymer with 2,2-dimethyl-1,3-propanediol, 2-ethyl-2-(hydroxymethyl)-1,3-propanediol, 2,5-furandione and hexanedioic acid	56045-52-4	$(C_8H_6O_4 \cdot C_6H_{14}O_3 \cdot C_6H_{10}O_4 \cdot C_5H_{12}O \cdot 2 \cdot C_4H_2O_3)_x$