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**Australian Government**  

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**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 HAZARDOUS SUBSTANCES INFORMATION SYSTEM (HSIS) UPGRADE

The Hazardous Substances Information System (HSIS) was first released by the National Occupational Health and Safety Commission in January 2005. It has now been upgraded to fit the look and feel of the Australian Safety and Compensation Council (ASCC) website and to be compliant with IT requirements within the Department of Workplace Relations (DEWR).

Although the basic structure and operation of the HSIS will be very similar to the first version, a number of new features and improvements have been introduced. New features include:

- Simplified search screens that can be expanded to an "Advanced Search" screen when required
- Ability to enter CAS numbers with or without dashes
- Improved searching where chemical names have a prefix (for example "3-" or "tert-"). The previous system was unable to search directly for a prefix.
- Ability to search for records that were amended within a specified date range
- A guide to abbreviations and notes used within a particular column of results can be accessed by clicking on the column heading
- Access to pdf documents that contain all of the hazardous substance records in the database. The consolidated lists will be updated each time there is a change to the records in the searchable database.
- Ability to specify the number of search results displayed on the screen
- Ability to print search results in pdf format

The new version is supported by a revised User Instruction Manual and updated guidance material. A dedicated email box for providing feedback on HSIS is available at [feedback.HSIS@dewr.gov.au](mailto:feedback.HSIS@dewr.gov.au)

## 2 PHTHALATE HAZARD ASSESSMENTS AND HAZARD COMPENDIUM – CALL FOR COMMENTS

Phthalates are the most common group of chemicals used as plasticisers (plastic softeners) worldwide. They are employed in a diverse range of industrial and domestic applications and can be present in soft plastics at concentrations up to 35-45%.

In response to concerns over potential adverse human health effects from exposure to phthalates, NICNAS conducted general data searches and a call for information on phthalates from Industry in 2004 and has identified 25 individual phthalate chemicals (Table 1) potentially in use in Australia.

### Hazard Assessments and Hazard Compendium

Draft human health hazard (toxicity) assessments for these phthalates have been conducted and NICNAS is now seeking comment on these hazard assessments. For all assessments, NICNAS has utilised information, where available, from peer reviewed overseas assessment reports updated with recent literature surveys.

Table 1. Twenty-five Phthalate Chemicals Subject to Human Health Hazard Assessments

Common Abbreviation	Common Name	CAS #
DEHP*	Diethylhexyl phthalate	117-81-7
DIDP*	Diisodecyl phthalate	26761-40-0, 68515-49-1
DMP*	Dimethyl phthalate	131-11-3
DINP*	Diisononyl phthalate	28553-12-0, 68515-48-0
DBP*	Dibutyl phthalate	84-74-2
BBP*	Butylbenzyl phthalate	85-68-7
DnOP*	Di-n-octyl phthalate	117-84-0
DEP*	Diethyl phthalate	84-66-2
DMEP*	Bis(2-methoxyethyl) phthalate	117-82-8
DAP	Diallyl phthalate	131-17-9
DCHP	Dicyclohexyl phthalate	84-61-7
DIBP	Diisobutyl phthalate	84-69-5
Di-C6-10-phthalate	Di-C6-10-phthalate	68515-51-5
Di-C7-9-phthalate	Di-C7-9-phthalate	68515-41-3
Di-C9-11-phthalate	Di-C9-11-phthalate	68515-43-5
DIHepP	Diisoheptyl phthalate	71888-89-6
DIHP	Diisohexyl phthalate	68515-50-4, 71850-09-4
DIOP	Diisooctyl phthalate	27554-26-3
DTDP	Ditridecyl phthalate	119-06-2

DIUP	Diisoundecyl phthalate	85507-79-5
DMT	Dimethyl terephthalate	120-61-6
DnHP	Di-n-hexyl phthalate	84-75-3
DNP	Dinonyl phthalate	84-76-4
DITDP	Diisotridecyl phthalate	68515-47-9
DUP	Diundecyl phthalate	3648-20-2

\* additionally declared as Priority Existing Chemicals for public health risk assessments

In addition to these 25 individual phthalate hazard assessments for which comments are sought, the hazard profiles for all 25 phthalates have been compiled into a draft Phthalate Hazard Compendium providing a comparative analysis of key toxicity endpoints for these phthalates. Comment is also sought on this Phthalate Hazard Compendium.

All 25 draft hazard assessments and the Phthalate Hazard Compendium are now available as separate documents downloadable from the NICNAS website at <http://www.nicnas.gov.au/>. In addition, on request, these documents are available free of charge in pdf format on a CD-ROM directly from NICNAS.

In accordance with discussions with industry and community stakeholders in December 2006, NICNAS is scheduling a 3-month comment period. Comments on any or all of these draft documents must be provided by 1 August 2007 and should be sent to:

Vivian Chan  
Rapid Risk Assessment  
NICNAS  
GPO Box 58  
Sydney NSW 2001  
Fax (02) 8577 8888  
Email [vivian.chan@nicnas.gov.au](mailto:vivian.chan@nicnas.gov.au)

Requests for CDROMs containing these draft reports should be sent to:

Ms Virginia Parish  
Review and Treaties  
NICNAS  
GPO Box 58  
Sydney NSW 2001  
Fax (02) 8577 8888  
Email [virginia.parish@nicnas.gov.au](mailto:virginia.parish@nicnas.gov.au)

### **Risk Assessments**

Consumer products such as soft plastic articles and cosmetics are potentially sources of repeated and long-term exposure to phthalates through migration and leaching. Within this group of 25 phthalate chemicals, 9 phthalate chemicals (highlighted in Table 1) were additionally declared as Priority Existing Chemicals (PECs) on 7 March 2006 for full public health risk assessments for the following specific consumer applications:

- Children's toys;
- Childcare articles; and
- Cosmetics

Following the consideration of comments, the hazard assessments for these 9 phthalates will be used to conduct public health risk assessments for these phthalates in these applications.

If you have any questions regarding the hazard assessments or the assessment processes, please contact Dr Graham Harvey, tel: (02) 8577 8851 fax: (02) 8577 8888 or email: [graham.harvey@nicnas.gov.au](mailto:graham.harvey@nicnas.gov.au).

### 3 NEW DATA ON CASTOR OIL, MONOMALEATE

Castor oil, monomaleate was assessed by NICNAS as LTD/1255 and a public report published in July 2006. ISP (Australasia) Pty Ltd recently submitted an additional study report "A local lymph node assay" for the notified chemical, castor oil, monomaleate. This study was not available at the time of assessment of castor oil, monomaleate as a new chemical.

A summary of the new study is provided below. The summary will be appended to the LTD/1255 public report.

#### Study summary

The study was performed according to the OECD Test Guideline 429: Skin Sensitisation: Local Lymph node Assay. The study was conducted in groups of 5 female mice that received 0, 2.5, 5 or 10 % triclosan in acetone/olive oil (4/1, v/v) and also included a positive control. There were no deaths during the study. No signs of systemic toxicity were observed in the test or control animals during the study. The body weight changes of the test animals between Day 0 and Day 5 were comparable to those observed in the corresponding control group animals over the same period. Slight erythema was seen in all animals receiving 10 % triclosan from day 1 to 5. The observed proliferation response and corresponding stimulation index are shown below.

Concentration (% w/w)	Proliferative response (DPM/lymph node)	Stimulation Index (Test/Control Ratio)
<b>Test Substance</b>		
0 (vehicle control)	403	
2.5	574	1.4
5	765	1.9
10	1173	2.9
<b>Positive Control</b>		
5	Not given	2.4
10	Not given	2.5
25	Not given	9.0

The DPM/lymph node counts and stimulation index values presented above are the mean for each test concentration, though individual DPM/lymph node counts were also determined for each animal. This allowed statistical analysis of the data. This analysis indicated that, compared to controls, a statistically significant increase was seen at 10 %. Furthermore examination of the individual DPM/lymph node counts in animals receiving 10 % test material indicated an outlier: stimulation index of 0.7 compared to 2.5, 2.8, 3.8 and 4.7. Elimination of this outlier resulted in a mean stimulation index of 3.5. Thus, there was evidence of induction of a lymphocyte proliferative response indicative of skin sensitisation to castor oil, monomaleate.

As the local lymph node assay does not change the present hazard classification of castor oil, monomaleate with R43 ("*May cause sensitisation by skin contact*"), this additional study

does not trigger a secondary notification, according to Section 64(2)(e) of the *Industrial Chemicals (Notification and Assessment) Act 1989*.

#### 4 NDPSC CONSIDERS ISSUE OF DERIVATIVE FOR SCHEDULING

At the recent National Drugs and Poisons Schedule Committee (NDPSC) Meeting 49, held on 20-22 February 2007, there was consideration of the usage of the term “derivative” in the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP).

As detailed in the NDPSC Record of Reasons (available on the NDPSC website at this url: <http://www.tga.gov.au/ndpsc/records.htm>) the NDPSC agreed to amend the “Principles of Scheduling” section of the SUSDP to clarify the intent of the Committee in using derivative in the context of a schedule entry as follows:

##### **PRINCIPLES OF SCHEDULING - READING THE SCHEDULES – Amendment (new paragraph to be added)**

- It is important to note that a substance is not classed as a derivative on the basis of a single, prescriptive set of criteria. Classification of a substance as a derivative of a Scheduled poison relies on a balanced consideration of factors to decide if a substance has a similar nature (e.g. structurally, pharmacologically, toxicologically) to a Scheduled poison or is readily converted (either physically or chemically) to a Scheduled poison. However, a substance is only considered a derivative of a Scheduled poison if it is not individually listed elsewhere in the Schedules, or captured by a more restrictive group or class entry. Additionally, some entries specifically exclude derivatives. Once a substance is determined to be a derivative of a Scheduled poison, the same scheduling requirements as the Scheduled poison, including limits on access, supply and availability, will apply.

In accordance with subsection 52D (4) of the *Therapeutic Goods Act 1989*, a notice advising of the amendment to the SUSDP was published in the Commonwealth of Australia Gazette on 11 April 2007.

The amendments arising from this notice will be incorporated into SUSDP 22 Amendment 1 effective 1 September 2007, which should be available for purchase from National Mailing and Marketing Pty Ltd in August 2007, telephone (02) 6269 1035 (or using the subscription order form available at the following webpage <http://www.tga.gov.au/ndpsc/susdp.htm>).

Stakeholders are reminded that the NDPSC regularly considers issues regarding the scheduling of chemicals, and that pre- and post-meeting notices, as well as the Record of Reasons for NDPSC meetings, are available from the NDPSC website (<http://www.tga.gov.au/ndpsc>). Should stakeholders wish to remain up to date on scheduling matters it is highly advised that these documents be monitored.

Any queries or questions can be addressed to the NDPSC Secretariat (e-mail [NDPSC@health.gov.au](mailto:NDPSC@health.gov.au), phone 02 6160 3200 or Facsimile 02 6160 3299).

## 5 LEAD COMPOUNDS IN COSMETICS - CALL FOR INFORMATION

The Director of the National Industrial Chemicals Notification and Assessment Scheme (NICNAS) is seeking information, under section 48 of the *Industrial Chemicals (Notification and Assessment) Act 1989* (the Act), on cosmetic products containing lead compounds and any lead compounds used in the manufacture of cosmetics.

Lead compounds used in cosmetics are of interest because they are hazardous to human health and the environment. Information is sought on all cosmetic products that contain lead to determine if any further regulatory action is required for cosmetics containing lead.

The notice is directed to all persons who have manufactured or imported lead compounds for use in cosmetics or imported cosmetic products containing lead compounds in the calendar years 2005 and 2006. Any other persons with information on these chemicals including users, past importers or manufacturers are also encouraged to provide information on the chemicals.

The following information is required on lead compounds manufactured in or imported into Australia and used to formulate cosmetic products:

- Chemical name and CAS number of the lead compound;
- Quantities imported and/or manufactured in Australia in the calendar years 2005 and 2006 for use in cosmetics;
- Specific function of the lead compound in the cosmetic product, and
- Name of the cosmetic product/mixture the compound is used in.

Information required on imported cosmetic products/mixtures containing lead compounds include:

- Product/mixture name;
- Chemical name and CAS number of the lead compound present in the product;
- Concentration of the chemical in the product/mixture;
- Specific use(s) of the product/mixture containing the chemical, and
- Quantities of the product/mixture imported and/or manufactured in Australia in the calendar years 2005 and 2006.

In accordance with section 50 of the Act, the information may be accompanied by an application that some or all of the information provided be treated as exempt information. The form for *Application for Exempt Information* is available on the NICNAS website at [www.nicnas.gov.au/Forms/Existing\\_Chemicals/Form3\\_PDF.pdf](http://www.nicnas.gov.au/Forms/Existing_Chemicals/Form3_PDF.pdf)

A cosmetic product is defined as 'A substance or preparation intended for placement in contact with any external part of the human body, including the mucous membranes of the oral cavity and the teeth; with a view to: altering the odours of the body; or changing its appearance; or cleansing it; or maintaining it in good condition; or perfuming it; or protecting it.' Examples of cosmetic products include, personal hygiene products, hair and skin care products, face and nail care products and face paints.

This is not an exhaustive list of potential cosmetic products, but is indicative of the types of products which are of interest in this call for information.

Currently one lead compound has an assigned INCI name (Lead acetate).

For further information on cosmetic products contact Sami Syed on (02) 8577 8845 or by e-mail at [sami.syed@nicnas.gov.au](mailto:sami.syed@nicnas.gov.au)

Response forms to assist industry in providing the relevant information are attached.

**Please complete the appropriate forms by 1 June 2007 and forward to:**

Sami Syed  
Review and Treaties  
NICNAS  
G P O Box 58  
Sydney, NSW 2001



**Attachment: Survey forms**

**Table 1: Importation / manufacture of lead compounds for use in cosmetics:**

- Do you manufacture lead compounds for use in cosmetics? **YES/NO**
- Do you import lead compounds for use in cosmetics? **YES/NO**
- Please fill in the table below for each chemical you import or manufacture.

Lead Compound Name / CAS No.	Name of Product Containing the Lead Compound	Import / Manufact. Volume of Product (kg)		Concentration of Lead Compound in the Product	Known Uses of the Substance
		2005	2006		

**Table 2: Importation / manufacture of products/mixtures containing lead compounds for use in cosmetics**

- Do you manufacture products/mixtures containing lead compounds for cosmetic use? **YES/NO**
- Do you import products/mixtures containing lead compounds for cosmetic use? **YES/NO**
- Please fill in the table below for each product/mixture you import or manufacture.

Product/mixture Name	Lead Compound in the Product/mixture Name / CAS No.	Import/Manufact. Volume Range of Product/mixture (kg)		Conc. of Lead Compound in Product/mixture	Known Uses of the Product/mixture
		2005	2006		

## 6 PUBLICATION SUMMARY REPORT

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### Chemical 1 in Petro Products Summary Report Reference No: LTD/1128

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Akzo Nobel Chemicals Pty Ltd of Suite 10, 89 High St Kew VIC 3101 has submitted a limited notification statement in support of their application for an assessment certificate for Chemical 1 in Petro Products. The notified chemical is intended to be used in hard surface (e.g. floors), metal, carpet and brewery cleaners and as a rinse aid (e.g. dishwashing machines). The notified chemical will be reformulated into a number of products which are then used as is or diluted for use. Less than 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

Based on the available data, the notified chemical is cannot be classified as a hazardous substance in accordance with the NOHSC *Approved Criteria for Classifying Hazardous Substances*.

##### Occupational Health and Safety

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

##### Public Health

There is No Significant Concern to public health when used 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

##### Control Measures

Occupational Health and Safety

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

## Disposal

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

## Emergency procedures

- Spills/release of the notified chemical should be physically contained, collected and disposed of in an appropriate manner.

## **Secondary Notification**

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

Under Section 64(2) of the Act:

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

The Director will then decide whether secondary notification is required.

No additional secondary notification conditions are stipulated.

## 7 PUBLICATION SUMMARY REPORT

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**Stock 3336  
Summary Report  
Reference No: LTD/1273**

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Mobil Oil Australia Pty Ltd (ABN 88 004 052 984) of 12 Riverside Quay, Southbank VIC 3006 has submitted a limited notification statement in support of their application for an assessment certificate for Stock 3336. The notified polymer is intended to be used as an additive for industrial gear oils (<0.3% (w/w)). Up to 1 tonne of the notified polymer will be imported per annum for each of the first five years.

### **ASSESSMENT OF PUBLIC, OCCUPATIONAL HEALTH AND SAFETY AND ENVIRONMENTAL EFFECTS**

#### **Hazard Assessment**

Based on the available data the notified polymer cannot be classified as hazardous under the NOHSC *Approved Criteria for Classifying Hazardous Substances*.

#### **Occupational Health and Safety**

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

#### **Public Health**

There is No Significant Concern to public health when 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 *Control Measures*

#### Occupational Health and Safety

- Where prolonged contact with the skin is unavoidable, wearing of personal protective equipment is recommended in accordance with good industrial hygiene practices.

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

Disposal

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

Emergency procedures

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

### **Secondary Notification**

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

Under Section 64(1) of the Act; if

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

or

Under Section 64(2) of the Act:

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

The Director will then decide whether secondary notification is required.

## 8 PUBLICATION SUMMARY REPORT

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### Hexafluorotitanic Acid Summary Report Reference No: LTD/1313

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Chemetall (Australasia) Pty Ltd (ABN 25 074 869 015) of 17 Turbo Drive, Bayswater North VIC 3153 has submitted a limited notification statement in support of their application for an assessment certificate for Hexafluorotitanic acid. The notified chemical is intended to be used in industrial in metal coating formulations. 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

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:

- R26/27/28 Very toxic by inhalation, in contact with skin and if swallowed
- R35 Causes severe burns.
- S7/9 Keep container tightly closed and in a well-ventilated place.
- 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).

##### Occupational Health and Safety

The notified chemical poses an acceptable risk to occupational health and safety under the conditions of the occupational settings described.

##### Public Health

The notified chemical poses a negligible risk to public health when used as an ingredient of industrial metal coating formulations.

##### Environmental Effects

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:
  - R26/27/28 Very toxic by inhalation, in contact with skin and if swallowed
  - R35 Causes severe burns.
  - S7/9 Keep container tightly closed and in a well-ventilated place.
  - 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:
  - $\geq 10\%$ : R26/27/28 Very toxic by inhalation, in contact with skin and if swallowed; R35 Causes severe burns.
  - $7\% \leq \text{conc} < 10\%$ : R26/27/28 Very toxic by inhalation, in contact with skin and if swallowed; R34 Causes burns.
  - $5\% \leq \text{conc} < 7\%$ : R23/24/25 Toxic by inhalation, in contact with skin and if swallowed; R34 Causes burns.
  - $1\% \leq \text{conc} < 5\%$ : R23/24/25 Toxic by inhalation, in contact with skin and if swallowed; R36/38 Irritating to eyes and skin.
  - $0.1\% \leq \text{conc} < 1\%$ : R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
- The notified chemical should be classified as follows under the ADG Code:
  - Class 8 – Corrosive (Subsidiary: Class 6.1)
  - Packaging Group II
- Suppliers should label the notified chemical as a Class 8 dangerous good with the signal word Corrosive and the risk and safety phrases listed above.

#### Exposure Standard

- The NOHSC exposure standards for hydrogen fluoride (as F) of 3 ppm or 2.6 mg/m<sup>3</sup> (TWA), and fluoride (as F) of 2.5 mg/m<sup>3</sup> should be observed during handling and use of the notified chemical.

### *Control Measures*

#### Occupational Health and Safety

- Employers should implement the following engineering controls to minimise occupational exposure to the notified chemical as introduced:

- Local and general exhaust ventilation should be applied wherever vapours of HF or the notified chemical may be expected to occur.
- Wherever possible, direct handling of the notified chemical should be avoided; rather, some remote handling apparatus should be used.
- Employers should implement the following safe work practices to minimise occupational exposure during handling of the notified chemical as introduced:
  - Avoid contact with skin, eyes and clothing.
  - Avoid breathing vapours or mists.
  - A shower and eyewash station should be available.
  - Avoid spills and splashing during use.
  - After exposure, any contaminated PPE should be thoroughly cleaned before re-use.
- Employers should ensure that the following personal protective equipment is used by workers to minimise occupational exposure to the notified chemical as introduced:
  - HF-resistant gloves
  - Face-shield
  - Acid resistant clothing which protects the body, arms, legs and feet
  - Respiratory protection suitable for inorganic acid vapours
  - Full-body encapsulation, including face and respiration, is recommended in areas where high-level exposure is probable.

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

- Atmospheric monitoring should be conducted to measure workplace concentrations during formulation and use 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 NOHSC *Approved Criteria for Classifying Hazardous Substances*, workplace practices and control procedures consistent with provisions of State and Territory hazardous substances legislation must be in operation.

#### Environment

- Do not allow material or contaminated containers to enter drains, sewers or watercourses.

#### Disposal

- The notified chemical in its oxide form should be disposed of to landfill.

#### Emergency procedures

- For small spillages, absorb or contain liquid with sand, earth or spill control material. Shovel up and place in a labelled, sealable container for subsequent disposal. Put

leaking containers in a labelled drum or overdrum. Scrub contaminated surfaces with detergent solution. Retain washings as contaminated waste.

- For large spillages, transfer to a labelled, sealable container for product recovery or safe disposal.

### **Secondary Notification**

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

Under Section 64(1) of the Act; if

- the importation volume exceeds one tonne per annum notified chemical.

or

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.

## 9 PUBLICATION SUMMARY REPORT

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### Chemical 2 in Petro Products Summary Report Reference No: STD/1088

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Akzo Nobel Chemicals Pty Ltd of Suite 10, 89 High St Kew Victoria 3101 has submitted a standard notification statement in support of their application for an assessment certificate for Chemical 2 in Petro Products. The notified chemical is intended to be used in hard surface (e.g. floors), metal, carpet and brewery cleaners and as a rinse aid (e.g. dishwashing machines). The notified chemical will be reformulated into a number of products which are then used as is or diluted for use. Thirty to 100 tonnes of the notified chemical will be imported per annum for each of the first five years.

#### ASSESSMENT OF PUBLIC, OCCUPATIONAL HEALTH AND SAFETY AND ENVIRONMENTAL EFFECTS

##### Hazard Assessment

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

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

and

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

Acute toxicity	Hazard category: 4	Hazard statement: Harmful if swallowed
Eye irritation	Hazard category: 1	Hazard statement: Irreversible effects on the eye
Skin Sensitisation	Hazard category: 1	Hazard statement: May cause allergic skin reaction

With respect to the environment, the notified chemical is classified as Chronic Category 3.

##### Occupational Health and Safety

There is Low Concern to occupational health and safety for formulation activities due to the adequate engineering controls but High Concern for use of cleaning products by spraying as use of adequate respiratory protection is unlikely in all cases.

##### Public Health

There is High Concern to public health when products are used in spray applications.

## 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:
  - R22: Harmful if swallowed
  - R41: Risk of serious eye damage
  - R43: May cause sensitisation by skin contact
- Use the following risk phrases for products/mixtures containing the notified chemical:
  - $\geq 25\%$ : R22: Harmful if swallowed
  - $\geq 10\%$ : R41: Risk of serious eye damage
  - $5\% \leq \text{conc} \leq 10\%$ : R36: Irritating to eyes
  - $\geq 1\%$ : R43: May cause sensitisation by skin contact
- The National Drugs and Poisons Standing Committee (NDPSC) should consider the notified chemical for listing on the SUSDP.
- Products containing more than the percentage specified of notified chemical and available to the public must carry the following warning statements and safety directions on the label:
  - 5%: Irritant, Avoid contact with eyes
  - 1%: (Repeated) exposure may cause sensitisation, Avoid contact with skin; Wear protective gloves when mixing or using
  - Any percentage: Breathing spray mist is harmful and may cause an asthma-like reaction, Avoid breathing spray mist.

### Control Measures

#### Occupational Health and Safety

- Employers should implement the following engineering controls to minimise occupational exposure to the notified chemical as introduced and in formulated products:
  - Local exhaust ventilation should be employed at sites of potential dust cloud or aerosol generation.
- Employers should implement the following safe work practices to minimise occupational exposure during handling of the notified chemical as diluted for use and in formulated products:

- Cleaning by spray should be conducted in areas of good general ventilation
- Spills should be cleaned up promptly and placed in containers for disposal
- Employers should ensure that the following personal protective equipment is used by workers to minimise occupational exposure to the notified chemical as introduced, as diluted for use, and in formulated products:
  - Respiratory protection against imported powders where dust can be generated or in the absence of local exhaust ventilation;
  - Impervious gloves;
  - Safety goggles or face shields

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

- Atmospheric monitoring should be conducted periodically by formulators of cleaning products to measure workplace concentrations of dust during formulation 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 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 by incineration or to landfill.

#### Emergency procedures

- Spills/release of the notified chemical should be physically contained, collected and disposed of in an appropriate manner.

### **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.

## 10 PUBLICATION SUMMARY REPORT

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### Irgasta P16 and Polymer in Irgasta P18 Summary Report Reference No: PLC/654

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Ciba Specialty Chemicals Pty Ltd (ABN 97 005 061 469) of 235 Settlement Road, Thomastown Victoria 3074 has submitted a polymer of low concern (PLC) notification statement in support of their application for an assessment certificate for Irgastat P 16 and Polymer in Irgastat P 18. The notified polymer is intended to be used as a component in thermoplastic polymers to form finished articles (e.g. computer housing). 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

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

##### Occupational Health and Safety

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

##### Public Health

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

##### Environmental Effects

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

#### RECOMMENDATIONS

##### Control Measures

###### Occupational Health and Safety

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

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

- A copy of the MSDS should be easily accessible to employees.
- If products and mixtures containing the notified polymer are classified as hazardous to health in accordance with the 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 with domestic refuse according to local regulations.
- Contaminated packaging should be recycled once completely emptied.

#### Emergency procedures

Spills/release of the notified polymer should be handled by sweeping or shoveling up. The collected material should be placed in a sealable, labeled container and recycled if possible or disposed of to landfill.

#### **Secondary Notification**

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

Under subsection 64(1) of the Act; if

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

or

Under subsection 64(2) of the Act:

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

The Director will then decide whether secondary notification is required.

## 11 PUBLICATION SUMMARY REPORT

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### Aqualoc HS-1 Summary Report Reference No: PLC/666

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Grace Australia Pty Ltd (41 080 660 117) of 1126 Sydney Road, Fawkner VIC 3060, has submitted a polymer of low concern (PLC) notification statement in support of their application for an assessment certificate for Aqualoc HS-1. The notified polymer is intended to be used as concrete additive. Up to 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. This is supported by toxicological data on 46% aqueous solution of the notified polymer. All results were indicative of low hazard. The occurrence of lung congestion in the acute toxicity study is considered not to be related to the notified polymer, as the route of exposure in the study was oral. High molecular weight polymers can cause lung damage (USEPA) but this is less likely in the case of this polymer as it is water-soluble.

##### **Occupational Health and Safety**

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

##### **Public Health**

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

##### **Environmental Effects**

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

#### **RECOMMENDATIONS**

##### **Control Measures**

###### Occupational Health and Safety

- No specific engineering controls, work practices or personal protective equipment are required for the safe use of the notified polymer as described.
- If aerosols are formed during the use of the notified polymer, engineering and PPE controls should be used to prevent inhalation exposure.
- Specific engineering controls, work practices or personal protective equipment may be required and should be selected on the basis of all ingredients in the formulation containing the notified polymer.

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

Disposal

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

Emergency procedures

- Spills and/or accidental release of the notified polymer should be handled by physical containment, with subsequent adsorption onto inert material such as sand (not sawdust). Collect for disposal. Do not flush to sewer.

### **Secondary Notification**

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

Under subsection 64(1) of the Act; if

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

The Director will then decide whether secondary notification is required.

## 12 PUBLICATION SUMMARY REPORT

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### Sekisui Techpolymer MBX Series Summary Report Reference No: PLC/669

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Cintox Pty Ltd (ABN 85 096 197 885) of 121 Carlton Crescent, Summer Hill NSW, has submitted a polymer of low concern (PLC) notification statement in support of their application for an assessment certificate for “Sekisui Techpolymer MBX series”. The notified polymer is intended to be used as an additive in paint, ink and plastic articles, to alter their light scattering and reflective characteristics. Five to ten tonnes of the notified polymer will be imported per annum for each of the first five years.

#### ASSESSMENT OF PUBLIC, OCCUPATIONAL HEALTH AND SAFETY AND ENVIRONMENTAL EFFECTS

##### Hazard Assessment

No toxicology data have been provided for the notified polymer, but as it is notified under the PLC criteria, it can be considered to be of low hazard. The notified polymer is likely to be not bioavailable and non-toxic, due to its probable very high molecular weight, cross-linking and water insolubility. The main risk of adverse health effects presented by the notified polymer is from its small particle size.

The notified polymer is comprised primarily of inhalable particle sizes (<100 µm), with most grades containing smaller particle sizes in the respirable range (<10 µm). The health effects of inhalation exposure to the notified polymer are unknown. The notified polymer is unlikely to be absorbed from the lung, so deposition in the deep lung is probable, combined with an inability of the lungs to dislodge the particles. Inhaled particulates are known to interfere with cell function in the airways, causing inflammatory-like reactions. Therefore, bronchial or pulmonary irritation is possible following inhalation exposure to particles containing the notified polymer, arising from deposition of water-insoluble particles in the lung.

##### Occupational Health and Safety

The notified polymer is not considered to pose a risk 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*

- Employers should implement the following engineering controls to minimise occupational exposure to powders containing the notified polymer during handling:
  - Local exhaust ventilation and adequate general ventilation should be applied at sites where powders are handled.
- Employers should implement the following safe work practices to minimise occupational exposure during the handling of powders containing the notified polymer:
  - Avoid the formation of airborne dusts.
- Employers should ensure that the following personal protective equipment is used by workers to minimise occupational exposure to powders containing the notified polymer:
  - safety glasses, gloves and overalls.
  - dust mask (adequate for respirable particle sizes).
- Guidance in selection of personal protective equipment can be obtained from Australian, Australian/New Zealand or other approved standards.
- A copy of the MSDS should be easily accessible to employees.
- If products and mixtures containing the notified polymer are classified as hazardous to health in accordance with the NOHSC *Approved Criteria for Classifying Hazardous Substances*, workplace practices and control procedures consistent with provisions of State and Territory hazardous substances legislation must be in operation.

#### Disposal

- The notified polymer should be disposed of to landfill.

#### Emergency procedures

- Spills/release of powders containing the notified polymer should be collected by vacuum and bagged or placed in a sealed container.
- Spills/release of plastic pellets containing the notified polymer should be collected with a broom and bagged.

#### Secondary Notification

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

Under subsection 64(1) of the Act; if

- The notified polymer is introduced in a chemical form that does not meet the PLC criteria.
- The notified polymer is proposed for introduction in the form of porous particles, where any proportion of the particle size is of respirable diameters (<10 µm).

- The workplace environment (including the use of protective equipment) where respirable powders of the notified polymer will be handled differs significantly to the conditions described in the notification statement.
- The notified polymer is intended for use in a product for cosmetic or personal use.

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.

## 13 PUBLICATION SUMMARY REPORT

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### Polymer in Lotader 4503 and Lotader 3430 Summary Report Reference No: PLC/686

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Arkema Pty Ltd (ABN 44 000 330 772) of Ground Floor, 600 Victoria Street, Richmond VIC has submitted a polymer of low concern (PLC) notification statement in support of their application for an assessment certificate for "Polymer in Lotader 4503 and Lotader 3430". The notified polymer is intended to be used as an adhesion modifier for extrusion plastics in the manufacturing of packaging, Australia-wide. Less than 200 tonnes of the notified polymer will be imported per annum for each of the first five years.

#### ASSESSMENT OF PUBLIC, OCCUPATIONAL HEALTH AND SAFETY AND ENVIRONMENTAL EFFECTS

##### Hazard Assessment

No toxicological data were submitted under the PLC notification category, and the notifier has declared that they hold no information in regards to its possible toxicity. As the notified polymer meets the PLC criteria, it can be considered to be of low hazard.

##### Occupational Health and Safety

The notified polymer is not expected to pose a significant risk to occupational health and safety under the conditions of the occupational settings described.

##### Public Health

The notified polymer presents no significant risk to public health when used in the proposed manner.

##### Environmental Effects

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

#### RECOMMENDATIONS

##### Control Measures

###### *Occupational Health and Safety*

- No specific engineering controls, work practices or personal protective equipment are required for the safe use of the notified polymer itself, however, these should be selected on the basis of all ingredients in the formulation.
- If the notified polymer is used in circumstances where respirable dusts containing it may be formed, the appropriate engineering and personal respiratory protective equipment should be implemented to prevent inhalation exposure of workers, according to the hierarchy of controls.

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 authorised landfill.

#### Emergency procedures

- Spills and/or accidental release of the notified polymer should be handled by physical collection and re-use to the maximum extent practicable. Residues may be swept, whilst avoiding creating dust.

#### Secondary Notification

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

Under subsection 64(1) of the Act; if

- the notified polymer is introduced in a chemical form that does not meet the PLC criteria.
- the number-average molecular weight (Mn) of the imported polymer is <10,000 Da.

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.

## 14 PUBLICATION SUMMARY REPORT

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### Polymer in AD0979P Summary Report Reference No: PLC/692

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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 AK0979P. The notified polymer is intended to be used as a component of paint formulations for industrial use at one site in NSW. Up to 100 tonnes of the notified polymer will be manufactured per annum for each of the first five years.

#### ASSESSMENT OF PUBLIC, OCCUPATIONAL HEALTH AND SAFETY AND ENVIRONMENTAL EFFECTS

##### Hazard Assessment

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

##### Occupational Health and Safety

There is low concern to occupational health and safety under the conditions of the occupational settings described.

##### Public Health

There is negligible concern to public health when used in the proposed manner.

##### Environmental Effects

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

#### RECOMMENDATIONS

##### Control Measures

###### Occupational Health and Safety

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

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

- A copy of the MSDS should be easily accessible to employees.
- If products and mixtures containing the notified polymer are classified as hazardous to health in accordance with the 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 licensed hazardous waste disposal.

## Emergency procedures

- Spills and/or accidental release of the notified polymer should be handled physical containment, preventing entry into waterways. Adsorb using inert adsorbent (sand, earth, vermiculite etc) and transfer to suitable drums for disposal.

## Secondary Notification

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

Under subsection 64(1) of the Act; if

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

or

Under subsection 64(2) of the Act:

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

The Director will then decide whether secondary notification is required.

## 15 PUBLICATION SUMMARY REPORT

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### Degalan LP 65/12 Summary Report Reference No: PLC/694

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Degussa Australia Pty Ltd (ABN 16 079 823 313) of 30 Commercial Drive, Dandenong VIC 3175 has submitted a polymer of low concern (PLC) notification statement in support of their application for an assessment certificate for DEGALAN LP 65/12. The notified polymer is intended to be used as Coating component. Up to 300 tonnes of the notified polymer will be imported per annum for each of the first five years.

#### ASSESSMENT OF PUBLIC, OCCUPATIONAL HEALTH AND SAFETY AND ENVIRONMENTAL EFFECTS

##### Hazard Assessment

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

##### Occupational Health and Safety

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

##### Public Health

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

##### Environmental Effects

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

#### RECOMMENDATIONS

##### Control Measures

###### Occupational Health and Safety

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

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

- A copy of the MSDS should be easily accessible to employees.
- If products and mixtures containing the notified polymer are classified as hazardous to health in accordance with the 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 polymer should be disposed of by incineration or to landfill.

Emergency procedures

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

### **Secondary Notification**

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

Under subsection 64(1) of the Act; if

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

or

Under subsection 64(2) of the Act:

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

The Director will then decide whether secondary notification is required.

**16 PUBLICATION SUMMARY REPORT**

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**Aqualoc HW-1B  
Summary Report  
Reference No: PLC/695**

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Grace Australia Pty Ltd (41 080 660 117) of 1126 Sydney Road, Fawkner VIC 3060 has submitted a polymer of low concern (PLC) notification statement in support of their application for an assessment certificate for AQUALOC HW-1B. The notified polymer is intended to be used as Concrete additive. Up to 300 tonnes of the notified polymer will be imported per annum for each of the first five years.

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

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 and analogue polymer that contains same monomers.

**Occupational Health and Safety**

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

**Public Health**

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

**Environmental Effects**

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

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

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

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

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

Environment  
Disposal

- The notified polymer should be disposed of to landfill.

Emergency procedures

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

**Secondary Notification**

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

Under subsection 64(1) of the Act; if

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

or

Under subsection 64(2) of the Act:

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

The Director will then decide whether secondary notification is required.

## 17 PUBLICATION SUMMARY REPORT

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### Permapol 97-125 Summary Report Reference No: SAPLC/56

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PPG Industries Australia Pty Ltd (ABN: 82 055 500 939) of McNaughton Rd Clayton VIC 3168 has submitted a polymer of low concern (PLC) notification statement in support of their application for a self-assessed assessment certificate for Permapol 97-125. The notified polymer is intended to be used as a coating for applications in the aerospace industry. Up to 3 tonnes of the notified polymer will be imported per annum for each of the first five years.

#### ASSESSMENT OF PUBLIC, OCCUPATIONAL HEALTH AND SAFETY AND ENVIRONMENTAL EFFECTS

##### Hazard Assessment

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

##### Occupational Health and Safety

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

##### Public Health

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

##### Environmental Effects

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

#### RECOMMENDATIONS

##### Control Measures

###### Occupational Health and Safety

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

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

- A copy of the MSDS should be easily accessible to employees.
- If products and mixtures containing the notified polymer are classified as hazardous to health in accordance with the 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 polymer should be disposed of by licensed waste contractor to incineration or land fill.

### Emergency procedures

- Spills/release of the notified polymer should be prevented from entering watercourses.

### **Secondary Notification**

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

Under subsection 64(1) of the Act; if

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

or

Under subsection 64(2) of the Act:

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

The Director will then decide whether secondary notification is required.

**18 PUBLICATION SUMMARY REPORT**

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**Permapol P3.1E  
Summary Report  
Reference No: SAPLC/58**

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PPG Industries Australia Pty Ltd (ABN 82 055 500 939) of McNaughton Rd, Clayton VIC 3168 has submitted a polymer of low concern (PLC) notification statement in support of their application for a self-assessed assessment certificate for Permapol P3.1E. The notified polymer is intended to be used as sealants applied to aircraft in an industrial environment. Up to 5 tonnes of the notified polymer will be imported per annum for each of the first five years.

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

The notified polymer meets the PLC criteria and can therefore be considered to be of low hazard. This is supported by toxicological endpoints observed in testing conducted on the notified polymer or analogue chemical.

**Occupational Health and Safety**

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

**Public Health**

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

**Environmental Effects**

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

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

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

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

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

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

#### Environment

#### Disposal

- The notified polymer should be disposed of by licensed waste contractor to incineration or land fill.

#### Emergency procedures

- Spills and/or accidental release of the notified polymer should be prevented from entering watercourses.

#### **Secondary Notification**

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

Under subsection 64(1) of the Act; if

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

or

Under subsection 64(2) of the Act:

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

The Director will then decide whether secondary notification is required.

**19 PUBLICATION SUMMARY REPORT**

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**Polymer in Daicure DG-4K  
Summary Report  
Reference No: SAPLC/63**

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DIC Australia Pty. Ltd.(ABN 12 000 079 550) of 323 Chisholm Rd Auburn NSW 2144 has submitted a polymer of low concern (PLC) notification statement in support of their application for a self-assessed assessment certificate for Polymer in Daicure DG-4K. The notified polymer is intended to be used as a component of a range of UV curable printing inks. The notified polymer will not be manufactured in Australia. It will be imported by sea as a component (15-30% (w/w)) of a range of UV curable printing inks. The finished printing inks will be imported in 1 kg slip lid metal cans. Upon arrival at ports in Sydney and/or Melbourne the notified polymer will be transported by road to the notifier's warehouse where it will be stored under cover until such time that it is transported to up to five companies throughout Australia. During use, printing workers will manually transfer inks to ducts on the printing unit. Up to 3 tonnes of the notified polymer will be imported per annum for each of the first five years.

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

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

**Occupational Health and Safety**

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

**Public Health**

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

**Environmental Effects**

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

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

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

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

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

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

#### Disposal

- The notified polymer should be disposed of to landfill or incinerated.
- Empty containers should be sent to local recycling or waste disposal facilities.

#### Emergency procedures

- Spills/release of the imported product containing the notified polymer not be allowed into drains or waterways. Spills should be handled by absorbing with sand or other inert absorbent material and put into suitable container for disposal.

#### Secondary Notification

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

Under subsection 64(1) of the Act; if

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

or

Under subsection 64(2) of the Act:

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

The Director will then decide whether secondary notification is required.

## 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 LOW VOLUME CATEGORY PERMITS

The permits listed in Table 1 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
752	La Biothetique Australia Pty Ltd	2018	Polyquaternium-59	Yes	Component in Hair Care Product	22/3/07
753	Symrise Pty Ltd	2099	2H-2,4a-Methanonaphthalene, 1,3,4,5,6,7-hexahydro-7-methoxy-1,1,5,5-tetramethyl-	Yes	Fragrance in domestic and cosmetic end-use products	26/3/07
754	Symrise Pty Ltd	2099	Cyclohexadecenone	Yes	Fragrance in domestic and cosmetic end-use products	26/3/07
755	Symrise Pty Ltd	2099	4,7-Methano-1H-indenecarboxaldehyde, 3a,4,5,6,7,7a-hexahydro-, reaction products with Me Et ketone, acid-isomerised, reduced	ND	Fragrance in domestic and cosmetic end-use products	26/3/07
756	Givaudan Australia Pty Limited	2128	3-Cyclooctene-1-methanol, $\alpha$ -ethyl-	Yes	Fragrance ingredient	11/04/07

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

## 22 COMMERCIAL EVALUATION CATEGORY PERMIT

The permits listed in Table 2 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
686	Hawker de Havilland Aerospace Pty Ltd	3207	Benzenamine, 4,4'-methylenebis[2-methyl-6-(1-methylethyl)-	Yes	4000 kg	Component of epoxy resin	2 years
687	Cytec Australia Holdings Pty Ltd	2153	Polymer in VIAPAL VUP 4693 E/68	ND	4000 kg	Component of putty for the after-market automotive industry	1 year
688	DIC Graphics Australia Pty Ltd	2144	Oxetane, 3,3'[oxybis(methylene)]bis[3-ethyl-	Yes	4000 kg	Component of ink	2 years
689	3M Australia Pty Ltd	2073	Component of 3M™ General Purpose and Neutral Cleaners	Yes	4000 kg	Component of cleaning products	1 year
690	Pacific Resins Pty Ltd	2130	Chemical in Additol® XL 270	ND	2000 kg	Component of paint for industrial outdoor application	1 year

## 23 EARLY INTRODUCTION PERMITS FOR NON-HAZARDOUS INDUSTRIAL CHEMICALS

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

**Table 3**

### Early Introduction Permits

<b>PERMIT NUMBER</b>	<b>COMPANY NAME</b>	<b>CHEMICAL OR TRADE NAME</b>	<b>USE</b>
493	Cintox Pty Ltd	Acrybase FCA-N3	Component of photocopier and printer toner
494	The Valspar (Australia) Corporation Pty Ltd	Polymer in AK1038P	Component of paint formulations for industrial use

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

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

**Table 4**

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

CHEMICAL NAME	MOLECULAR FORMULA	CAS NUMBER
2-Propenoic acid, telomer with N-(1,1-dimethylethyl)-2-propenamide, sodium 2-methyl-2-[(1-oxo-2-propen-1-yl)amino]-1-propanesulfonate (1:1) and sodium P-phenylphosphinate (1:1)	$(C_7H_{13}NO_4S.C_7H_{13}NO.C_3H_4O_2.Na)_x.C_6H_7O_2P.Na$	927396-30-3
2-Propenoic acid, telomer with sodium P-phenylphosphinate (1:1), sodium salt	$C_6H_7O_2P.(C_3H_4O_2)_x.xNa$	927396-66-5
Benzenesulfonic acid, mono- and di-C14-20-branched alkyl derivs., calcium salts	Unspecified	920526-46-1
Formaldehyde, polymer with (chloromethyl)oxirane, 2,2'-[1,2-ethanediylbis(oxy)]bis[ethanethiol], 4,4'-(1-methylethylidene)bis[phenol] and phenol	$(C_{15}H_{16}O_2.C_6H_{14}O_2S_2.C_6H_6O.C_3H_5ClO.CH_2O)_x$	268214-80-8
Ethanethiol, 2,2'-[1,2-ethanediylbis(oxy)]bis-	$C_6H_{14}O_2S_2$	14970-87-7
Ammonium (S,S')-ethylenediamine-N,N'-disuccinato(4-)-ferrate(1-)	$C_{10}H_{12}FeN_2O_8.H_4N$	158706-40-2
1,3-propanediamine, N, N''-1,2-ethanediylbis-, reaction products with cyclohexane and peroxidised n-butyl-2,2,6,6-tetramethyl-4-piperidinamine-2,4,6-trichloro-1,3,5-triazine reaction products	Unspecified	191680-81-6
Docosanoic acid, 2-(1-carboxyethoxy)-1-methyl-2-oxoethyl ester, sodium salt	$C_{28}H_{52}O_6.Na$	27847-75-2
2-propenoic acid, 2-ethylhexyl ester, polymer with ethenylbenzene and 2-methyl-2-[(1-oxo-2-propenyl) amino]-1-propanesulfonic acid, 2,2'-azobis[2-methylbutanenitrile]-initiated	Unspecified	141091-65-8
2-propanol, 1,1',1''-nitrilotris-, acetate (salt)	$C_9H_{21}NO_3.C_2H_4O_2$	148691-66-1
1H-Benzotriazole, sodium salt	$C_6H_5N_3.Na$	15217-42-2

1,3-Benzenedicarboxylic acid, polymer with hexanedioic acid, 2,2'-oxybis[ethanol] and 1,2-propanediol	$(C_8H_6O_4.C_6H_{10}O_4.C_4H_{10}O_3.C_3H_8O_2)_x$	67939-66-6
Sulfamic acid, 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	Unspecified	744198-58-1
2-Propenoic acid, telomer with sodium hydrogen sulfite, ester with .alpha.-methyl-.omega.-hydroxypoly(oxy-1,2-ethanediyl), sodium salt, reaction products with polyethylene glycol 2-aminoethyl Me ether	Unspecified	251567-48-3
Formaldehyde, polymer with 1,2-benzenediol	$(C_6H_6O_2.CH_2O)_x$	25213-44-9
5-[4-(7-amino-1-hydroxy-3-sulpho-naphthalene-2-ylazo)-2,5-bis-(2-hydroxyethoxy)-phenylazo]-isophthalic acid, lithium salt	$C_{28}H_{25}N_5O_{12}S.xLi$	762263-42-3
2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymer with butyl 2-propenoate, 2-ethylhexyl 2-methyl-2-propenoate, 4-hydroxybutyl 2-propenoate and 2-methoxyethyl 2-propenoate	$(C_{12}H_{22}O_2.C_8H_{15}NO_2.C_7H_{12}O_3.C_7H_{12}O_2.C_6H_{10}O_3)_x$	900791-24-4

**25 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 5**

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

<b>CHEMICAL NAME</b>	<b>MOLECULAR FORMULA</b>	<b>CAS NUMBER</b>
2-Naphthalenesulfonic acid, 7-amino-4-hydroxy-8-[[2-sulfo-4-[[2-(sulfooxy)ethyl]sulfonyl]phenyl]azo]-, potassium sodium salt, coupled with diazotized 2-[(4-amino-5-methoxy-2-methylphenyl)sulfonyl]ethyl hydrogen sulfate	Unspecified	577954-20-2
2-Naphthalenesulfonic acid, 7-amino-4-hydroxy, coupled with diazotized 2-[(4-aminophenyl)sulfonyl] ethyl hydrogen sulfate and diazotized 2-amino-5-[[2-(sulfooxy) ethyl] sulfonyl] benzenesulfonic acid, potassium sodium salts	Unspecified	214362-06-8
benzenesulfonic acid, 2,4-diamino-3-[[4-[[2-(sulfooxy)ethyl]sulfonyl]-phenyl]azo]-5-[[2-sulfo-4-[[2-(sulfooxy)ethyl]sulfonyl]phenyl]azo]-, potassium sodium salt	$C_{22}H_{24}N_6O_{18}S_6 \cdot xK \cdot xNa$	187026-95-5
Benzoic acid, 3,5-diamino-2-[(2-sulfophenyl)azo]-, disodium salt, reaction products with diazotized 2-[(4-aminophenyl)sulfonyl]ethyl hydrogen sulfate, sodium salts	Unspecified	481066-69-7
Siloxanes and Silicones, di-Me, 3-[dimethyl[2-(trimethylammonio)ethyl]ammonio]propyl Me, mono[[1-(3-hydroxypropyl)-1,3,3,3-tetramethyldisiloxanyl]oxy]-terminated, ethers with polyethylene glycol mono-Me ether, p-toluenesulfonates	Unspecified	849775-79-7