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NATIONAL INDUSTRIAL CHEMICALS NOTIFICATION AND ASSESSMENT SCHEME



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## 1 PUBLICATION SUMMARY REPORT

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### Polymer in Rezsol 8240A Summary Report Reference No: NA/806

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BetzDearborn Australia Pty Limited (ABN 84 001 221 941) of 69-77 Williamson Road, Ingleburn, NSW 2565 has submitted a limited notification statement in support of their application for an assessment certificate for Polymer in Rezsol 8240A. The notified polymer is intended to be used as an aid in the production of tissue and towelling paper products. At the notifier's Ingleburn site the imported solution may be diluted with water prior to shipping to site in South Australia where it is applied by spraying to paper products. Less than 50 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 polymer is not classified as hazardous under the NOHSC *Approved Criteria for Classifying Hazardous Substances*.

#### Occupational Health and Safety

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

#### Public Health

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

#### Environmental Effects

On the basis of the PEC/PNEC ratio, the notified polymer poses a significant risk to aquatic organisms in the environment when released into Lake Bonney through the intended use pattern.

### RECOMMENDATIONS

#### *Control Measures*

- 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*

- It is recommended that the quarterly monitoring of the treatment plant effluent, which is discharged into Lake Bonney be continued, and if any increase in the toxicity of the effluent noticed after introduction of the new polymer, this information should be immediately conveyed to NICNAS.

#### Emergency procedures

- Spills/release of the notified polymer should be contained with absorbent material and placed in a waste disposal container for disposal in accordance with local or state regulations.

#### **Secondary Notification**

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

Under Section 64(1) of the Act; if

- if use at other paper mills is proposed, then details of the on site and post site sewage treatment and volumes should be supplied to allow the calculation of the specific hazard. An algal test result as well as information on the likely extent of adsorption to soils and sediments should also be provided or

Under Section 64(2) of the Act:

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

The Director will then decide whether secondary notification is required.

## 2 PUBLICATION SUMMARY REPORT

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### Polymer in Rezsol 8223 Special Summary Report Reference No: NA/807

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BetzDearborn Australia Pty Limited (ABN 84 001 221 941) of 69-77 Williamson Road, Ingleburn, NSW 2565 has submitted a limited notification statement in support of their application for an assessment certificate for Polymer in Rezsol 8223 Special. The notified polymer is intended to be used as an aid in the production of tissue and towelling paper products. At the notifier's Ingleburn site the imported solution may be diluted with water prior to shipping to site in South Australia where it is applied by spraying to paper products. Less than 50 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 polymer is not classified as hazardous under the NOHSC *Approved Criteria for Classifying Hazardous Substances*.

#### Occupational Health and Safety

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

#### Public Health

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

#### Environmental Effects

On the basis of the PEC/PNEC ratio, the notified polymer poses a significant risk to aquatic organisms in the environment when released into Lake Bonney through the intended use pattern.

### RECOMMENDATIONS

#### *Control Measures*

- 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*

- It is recommended that the quarterly monitoring of the treatment plant effluent, which is discharged into Lake Bonney be continued, and if any increase in the toxicity of the effluent noticed after introduction of the new polymer, this information should be immediately conveyed to NICNAS.

### Emergency procedures

- Spills/release of the notified polymer should be contained with absorbent material and placed in a waste disposal container for disposal in accordance with local or state regulations.

### **Secondary Notification**

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

Under Section 64(1) of the Act; if

- if use at other paper mills is proposed, then details of the on site and post site sewage treatment and volumes should be supplied to allow the calculation of the specific hazard. An algal test result as well as information on the likely extent of adsorption to soils and sediments should also be provided or

Under Section 64(2) of the Act:

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

The Director will then decide whether secondary notification is required.

### 3 PUBLICATION SUMMARY REPORT

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#### Tungsten Boride Summary Report Reference No: LTD/1042

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Brenco Thermal Coating Technology Pty Ltd (ACN 050 692 987) of 171-173 Fairbairn Road Sunshine VIC 3020 has submitted a limited notification statement in support of their application for an assessment certificate for tungsten boride. The notified chemical will be imported as a 30% component of a thermal spray powder product, Amperit 539.054, for use in improvement of metal surface properties. It will come in purpose-built bottles ready for fitting into an automatic spray equipment available at one industrial site. Up to 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 NOHSC exposure standards for tungsten, soluble and insoluble compounds (as W), and its inclusion on the *List of Designated Hazardous Substances*, the notified chemical should be classified as hazardous.

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

#### RECOMMENDATIONS

##### *Control Measures*

##### Occupational Health and Safety

- Employers should implement the following engineering controls to minimise occupational exposure to the imported product, Amperit 539.054:
  - Adequate general and local ventilation and an extraction system in the vicinity of the spray booth to remove fumes and dust generated by overspray. Worker exposure to tungsten compounds should be maintained below the relevant NOHSC Exposure Standards.
- Employers should ensure that the following personal protective equipment is used by workers to minimise occupational exposure when handling/fitting the powder spray

bottles of Amperit 539.054 into spray equipment, inspecting or cleaning the sprayed surfaces:

- Coveralls/laboratory coats;
- Chemical resistant gloves;
- Goggles or safety glasses;
- Vapour respirators if required, especially relevant for spray applicators.

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.
- For 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 the user to minimise environmental exposure during use of the notified chemical:
  - Well maintained collection and extraction systems in spray booths;
  - Good handling procedures to minimise spills.

#### Disposal

- The notified chemical should be disposed of to secure landfill where dust suppression methods are in-place (such as mist sprays) and where the material can be covered with soil immediately. This product is not suitable for incineration.

#### Emergency procedures

- Spills/release of the notified chemical should be handled by sweeping or vacuuming. The collected material should then be placed in a sealable container and clearly labelled. The material should be prevented from entering drains or water bodies.

#### **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.

## 4 PUBLICATION SUMMARY REPORT

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### Ozofleur Summary Report Reference No: LTD/1044

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International Flavours and Fragrances (Australia) Pty Ltd of 310 Frankston South VIC 3175 has submitted a limited notification statement in support of their application for an assessment certificate for Ozofleur. The notified chemical is intended to be used in cosmetic and household products (body lotion, creams, suncreams, hairsprays, shampoos, dishwashing liquid, fabric washing liquid, surface cleaners, deodorant sprays, air refreshers, soap bars, foam baths and toilet waters). Up to 100 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:

R38                      Irritating to skin

There are no regulatory requirements in Australia with regard to environmental classification. However, if this chemical were to be classified according to the Globally Harmonised System of Classification and Labelling (GHS), the following would apply:

Category: Acute I 'hazardous to the aquatic environment'

Ozofleur is classified as dangerous for the environment in accordance with the EU with the following risk phrases:

R50            Very toxic to aquatic organisms  
R53            May cause long term adverse effects

The notifier classified Ozofleur as a Class 9 Dangerous Goods- Miscellaneous Dangerous Goods and Articles

#### Occupational Health and Safety

There is medium Concern to occupational health and safety under the conditions of the occupational settings described during reformulation if blending processes are open. However during end use the concern to workers is considered to be low.

#### Public Health

There is Low Concern to public health when used in the proposed manner at a maximum of 0.01%.

## Environmental Effects

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

## RECOMMENDATIONS

### *Regulatory Controls*

#### Hazard Classification and Labelling

- The NOHSC Chemicals Standards Sub-committee should consider the following health hazard classification for the notified chemical:
 

R38	Irritating to skin
S36	Wear suitable protective clothing
S37	wear suitable gloves
S39	wear eye/face protection
  
- Use the following risk phrases for products/mixtures containing the notified chemical:
 

Products containing $\geq 20\%$	R38
---------------------------------	-----
  
- There are no regulatory requirements in Australia with regard to environmental classification. However, if this chemical were to be classified according to the Globally Harmonised System of Classification and Labelling (GHS), the following would apply:
 

Category: Acute I 'hazardous to the aquatic environment'
  
- The National Drugs and Poisons Standing Committee (NDPSC) should consider the notified chemical for listing on the SUSDP.

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 the ingredients with the notified chemical.
  - Local exhaust ventilation should be provided 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 concentrate and 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.

#### Environment

#### Disposal

The notified chemical should be disposed of into the sewer or landfill.

#### Emergency procedures

Spills/release of the notified chemical should be contained as described in the MSDS (ie. covered with inert material and transfer to a sealable waste container) and the resulting waste disposed of in 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

- (a) The notified chemical itself is manufactured locally or imported;
- (b) Additional information becomes available on adverse environmental effects of this chemical; or,
- (c) Annual import levels of the notified chemical exceed one tonne.

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.

## 5 PUBLICATION SUMMARY REPORT

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**RO 1525**  
**Summary Report**  
**Reference No: LTD/1055**

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Henkel Australia Pty Ltd of 135-141 Canterbury Road Kilsyth Vic 3137 (ABN: 82 001 302 996) has submitted a limited notification statement in support of their application for an assessment certificate for RO 1525. The notified chemical is intended to be used as a component of permanent hair dye at a concentration of <5%. Five hundred 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 Classification**

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

T: R25 Toxic if swallowed

Xi: R36 Irritating to eyes

#### **Environmental Risk Assessment**

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

#### **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 associated with the use of this chemical if used in accordance with product instructions.

#### **Recommendations**

##### *Regulatory Controls*

##### Hazard Classification and Labelling

- The NOHSC Chemicals Standards Sub-committee should consider the following health hazard classification for the notified chemical:
  - T: Toxic. R25 Toxic if swallowed
  - Xi: Irritant. R36 Irritating to eyes

##### *Control Measures*

##### Occupational Health and Safety

- Employers should implement the following safe work practices to minimise occupational exposure during handling of products containing the notified chemical:

- Equipment and work stations should be designed to minimise contact with the product containing the notified chemical.
- If accidental contact occurs, the product containing the notified chemical should be removed from the skin or eye immediately
- Employers should ensure that the following personal protective equipment is used by workers to minimise occupational exposure to products containing the notified chemical:
  - Gloves, safety glasses  
Guidance in selection of personal protective equipment can be obtained from Australian, Australian/New Zealand or other approved standards.
- A copy of the MSDS should be easily accessible to employees.
- If products and mixtures containing the notified chemical are classified as hazardous to health in accordance with the NOHSC *Approved Criteria for Classifying Hazardous Substances*, workplace practices and control procedures consistent with provisions of State and Territory hazardous substances legislation must be in operation.

#### Public Health

- The following measures should be taken by the notifier to minimise public exposure to the notified chemical:
  - Label for the product containing the notified chemical should carry the Warning Statement 88, Appendix F of the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP): “This product is not recommended for dyeing eyelashes or eyebrows. To do so may be injurious to the eye.”
  - The concentration of the notified chemical in hair dye formulations should not exceed 5%.

#### Disposal

- The notified chemical should be disposed of through household garbage.

#### Emergency procedures

- Spills/release of the notified chemical is unlikely given the nature of the packaging. The small container size would limit any release to the 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 subsection 64(1) of the Act; if

- The concentration of the notified chemical in the product exceeds 5%.
- Other toxicological data becomes available, e.g. a 90-day repeat dose toxicity study.

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.

## 6 PUBLICATION SUMMARY REPORT

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### Tricyclo[3,3,1,1<sup>3,7</sup>]decan-2-ol, 4-methyl-8-methylene-, acetate Summary Report Reference No: LTD/1057

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International Flavours & Fragrances (Australia) Ltd (ABN 77 004 269 658) 310 Frankston-Dandenong Rd Dandenong VIC 3175 has submitted a limited notification statement in support of their application for an assessment certificate for tricyclo[3,3,1,1<sup>3,7</sup>]decan-2-ol, 4-methyl-8-methylene-, acetate. The notified chemical is intended to be used as a fragrance component in personal and household products. The notified chemical is imported as a component of a fragrance oil which is blended with other components into the various 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 notified chemical was of low acute oral and dermal toxicity in rats, was a moderate skin irritant and a slight eye irritant in rabbits and was a skin sensitiser in guinea pigs. However, the notified chemical was neither irritant nor sensitising in human repeat insult patch tests at concentrations up to 5%. Therefore, the fragrance oil, containing the notified chemical at a maximum of 1%, would not be expected to be a skin irritant or a skin sensitiser.

The notified chemical was neither mutagenic in bacteria nor genotoxic in mouse bone marrow cells. In a 28-day oral repeat dose study the NOAEL was determined to be 55 mg/kg bw/day.

##### 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 low volumes used (ie. 1000 kg/year) and nationwide and diffuse use of the notified chemical, it is not considered to pose an unacceptable risk to the environment based on its reported use pattern and likely potential re-use/disposal 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:
  - R38: Irritating to skin
  - R43: May cause sensitisation by skin contact
  - S36: Wear suitable protective clothing
  - S37: Wear suitable gloves
  - S39: Wear eye/face protection
- The notified chemical should be classified and labelled as follows under the OECD (2002) Globally Harmonised System for the Classification and Labelling of Chemicals: Chronic Hazard Category 2: Toxic to Aquatic Life with long Lasting Effects
- Use the following risk phrases for products/mixtures containing the notified chemical:
 

Products containing  $\geq 20\%$  R38,  $\geq 5\%$  R43
- The National Drugs and Poisons Standing Committee (NDPSC) should consider the notified chemical for listing on the SUSDP.
- 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 as introduced:
  - Local exhaust ventilation, closed blenders
- 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 concentrate and 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.

#### Environment

- The following concentration limits should be implemented for release of the notified chemical to the environment:
  - 0.0053 mg/L (based on PNEC calculations).
- The following control measures should be implemented by the notifier to minimise environmental exposure during (manufacture, formulation, use) of the notified chemical:
  - Adherence to the *Australian Code for the Transport of Dangerous Goods by Road and Rail*.
- The following monitoring should be conducted by the notifier to measure environmental release during (manufacture, formulation, use) of the notified chemical:
  - Adherence to the *Australian Code for the Transport of Dangerous Goods by Road and Rail*.

#### Disposal

- The notified polymer should be disposed of to sewer or landfill in accordance with the methods described in the Material Safety Data Sheet, including by licensed waste contractor and in accordance with local jurisdiction waste management guidance.

#### Storage

- The following precautions should be taken the notifier regarding storage of the notified chemical:
  - Adherence to the *Australian Code for the Transport of Dangerous Goods by Road and Rail* for 205 L drums.

#### Emergency procedures

- Spills/release of the notified polymer should be handled by trained personnel in accordance with the material safety data sheet provided by the manufacturer.
- Spills/release of the notified chemical should be contained using sand or inert powder and earth. Collect and seal in properly labelled drums for disposal to landfill in accordance with relevant Government regulations.

- Avoid disposing to natural waterways or stormwater.

#### Transport and Packaging

- Australian Code for the Transport of Dangerous Goods by Road and Rail.
- International Maritime Dangerous Goods Code.

#### Secondary Notification

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

Under Section 64(1) of the Act; if

- If over 1 tonne per annum of the notified chemical is expected to be imported, a chronic *Daphnia* toxicity test report, an alga toxicity test report and a further evidence for a lack of bioaccumulation potential, preferably a test report for the notified chemical, are required to be submitted.
- Products available for public use exceed 0.1% notified chemical
- The notified chemical itself is manufactured locally

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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### Fluorosurfactant FC-4430 Summary Report Reference No: LTD/1058

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3M Australia Pty Ltd (ACN 000 100 096) of 2-74 Dunheved Circuit St Marys NSW 2760 has submitted a limited notification statement in support of their application for an assessment certificate for Fluorosurfactant FC-4430. The notified polymer is intended to be used as a surfactant in a variety of coatings and carpet product. Up to 10 tonnes of the notified polymer will be imported per annum for 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 hazardous under the NOHSC *Approved Criteria for Classifying Hazardous Substances*.

Based on the available data, the notified polymer is classified as “Harmful to aquatic life” under the globally harmonised system of classification and labelling of chemicals (GHS).

#### 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 under the conditions described.

#### Environmental Assessment

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

### RECOMMENDATIONS

#### *Control Measures*

##### Occupational Health and Safety

- Employers should implement the engineering controls and safe work practices in the NOHSC National Guidance Material for Spray Painting to minimise occupational exposure during the spray application of products containing the notified polymer.
- Employers should ensure that the following personal protective equipment is used by workers to minimise occupational exposure to the notified polymer:
  - Protective clothing
  - Gloves

- Safety goggles/glasses
- Respirators (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 end users to minimise environmental exposure of the notified polymer:
  - Where possible, waste (including overspray) should be collected for disposal by incineration or to landfill.

#### Disposal

- Material should not be discharged to the open environment. Where possible, it is recommended that disposal be through incineration rather than discharge to sewage treatment plants. This material is unlikely to degrade significantly and could pass through the STP. Alternatively, disposal of solid waste to landfill is acceptable.

#### Emergency procedures

- In the event of spillage, cover with absorbent material. Place in a metal container and seal the container. Incinerate in an industrial or commercial facility in the presence of a combustible material. Combustion products will contain hydrogen fluoride. The incinerator should be equipped with suitable controls for combustion of halogenated materials.

#### **Secondary Notification**

The US EPA has sought additional testing for the ultimate fate product from the notified polymer and placed a Consent Order on the notified polymer. There are US EPA restrictions on the use or manufacture of the substance and there are Consent Orders from the US EPA on all subsequent substances involving this chemistry. These orders link back to completion of the original testing for the ultimate fate product, so when 3M complete the testing, all consent orders should be cleared.

The Director of Chemicals Notification and Assessment must be notified in writing with 28 days by the notifier once testing is complete, and the associated reports forwarded to the Director.

The Director of Chemicals Notification and Assessment must also 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.

## 8 PUBLICATION SUMMARY REPORT

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### Arctical Summary Report Reference No: LTD/1063

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International Flavours & Fragrances (Australia) Ltd (ABN 77 004 269 658) of 310 Frankston-Dandenong Rd Dandenong VIC 3175. has submitted a limited notification statement in support of their application for an assessment certificate for Arctical. The notified chemical is intended to be used as a fragrance component in personal and household products. The notified chemical is imported as a component of a fragrance oil which is blended with other components into the various products. One hundred 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

The notified chemical is of low acute oral toxicity in rats, is a moderate skin irritant in rabbits, a slight eye irritant in rabbits, is not a skin sensitiser in humans or guinea pigs and is not mutagenic in bacteria.

The notified chemical would be classified as a hazardous substance according to the NOHSC *Approved Criteria for Classifying Hazardous Substances* and assigned the risk phrase R38: Irritating to skin.

#### Occupational Health and Safety

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

#### Public Health

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

#### Environmental Effects

The chemical is not considered to pose a risk to the environment based on its reported use pattern and at an import volume of no greater than 100 kg per annum.

### RECOMMENDATIONS

Regulatory Controls  
Hazard Classification and Labelling

- The NOHSC Chemicals Standards Sub-committee should consider the following health hazard classification for the notified chemical:
  - R38: Irritating to skin

- Use the following risk phrases for products/mixtures containing the notified chemical:

Products containing  $\geq 20\%$  R38

#### 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, closed blenders
- 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 concentrate and 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.

##### 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 resulting from spills to enter drains, sewers or water courses.

##### Disposal

- The notified chemical should be disposed of to landfill where practicable.

##### Emergency procedures

Gross spills/release of the notified chemical should be contained by sand or inert powder and earth. Collect and seal in properly labelled drums for disposal in landfill.

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 import volume increases above 250 kg per annum, the notifier should provide results and test reports for vapour pressure, adsorption/desorption, hydrolysis as a function of pH and aquatic ecotoxicity data for fish, Daphnia and algae for the notified chemical or quantitative data on removal of the chemical in sewage treatment plants.

Under section 64(2) of the Act:

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

The Director will then decide whether secondary notification is required.

No additional secondary notification conditions are stipulated.

## 9 PUBLICATION SUMMARY REPORT

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### Component of Additiv 104 Summary Report Reference No: STD/1025

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Castrol Australia Pty Ltd (ABN 20 003 663 474), 132 McCreadie Rd Guildford NSW 2161 has submitted a standard notification statement in support of their application for an assessment certificate for Component of Additiv 104. The notified chemical is intended to be used as a grease and oil additive. The notified chemical is mainly imported as a component of greases and gear oils for industrial machinery but a proportion of the import volume is in a gear oil concentrate which is blended with base oil. Less than 2 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

Additiv 104, containing more than 50% notified chemical, was used for a number of toxicological endpoints. Additiv 104 was found to exhibit low acute oral and dermal toxicity in rats, was a moderate skin irritant and a slight eye irritant in rabbits and was neither mutagenic in bacteria nor clastogenic in mammalian cells in vitro. Evidence of skin sensitisation was found in a guinea pig maximisation test. The 28-day oral repeat dose study in rats suggested the notified chemical had mainly local (probably irritant) effects on the forestomach with a NOEL of 200 mg/kg/day bw.

#### Occupational Health and Safety

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

#### Public Health

There is Negligible Concern to public health under the conditions of use 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

- R38 Irritating to skin
  - S24/25: Avoid contact with skin and eyes
  - S37: Wear suitable gloves
- The notified chemical should be classified and labelled as follows under the OECD (2002) Globally Harmonised System for the Classification and Labelling of Chemicals: Acute Hazard Category 3: Harmful to aquatic organisms and Chronic Hazard Category 3: Harmful to Aquatic Life with long Lasting Effects
  - Use the following risk phrases for products/mixtures containing the notified chemical:
    - ≥ 0.05%, R43
    - ≥ 20%, R38, R43

### *Control Measures*

#### Occupational Health and Safety

- Employers should implement the following safe work practices to minimise occupational exposure during reformulation 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 gear oil concentrate:
  - Chemical resistant gloves, protective overalls, and goggles/faceshield.
- Copies of 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 not be disposed of into drains or onto the ground, but should be recycled or disposed of in accordance with State EPA regulations. Do not allow spills or used lubricants to enter drains, sewers, water courses or soil.

#### Emergency procedures

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

## **Secondary Notification**

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

Under Section 64(1) of the Act; if

- The concentration of the notified chemical exceeds 2% in the final products
- The final products become available for use by the public

Under Section 64(2) of the Act:

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

The Director will then decide whether secondary notification is required.

## 10 PUBLICATION SUMMARY REPORT

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### SC721-3 Summary Report Reference No: PLC/338

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Sharp Corporation of Australia Pty Ltd of 1 Huntingwood Drive, Blacktown NSW 2148 (ABN 40 003 039 405) has submitted a synthetic polymer of low concern (PLC) notification statement in support of their application for an assessment certificate for SC721-3. The notified polymer is intended to be used as component of a photocopy toner. 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 Classification**

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

##### **Environmental Risk Assessment**

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

##### **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 the manner described.

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

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

#### Disposal

- The notified polymer should be disposed of in accordance with the methods described in the Material Safety Data Sheet, including by licensed waste contractor and in accordance with local jurisdiction waste management guidance.

#### Emergency procedures

Spills/release of the notified polymer should be handled by wiping off with a clean cloth. Do not use a vacuum cleaner when large amount is released, as the toner is capable of creating a dust explosion.

### **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.

No additional secondary notification conditions are stipulated.

## 11 PUBLICATION SUMMARY REPORT

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### Substance HPA8B Summary Report Reference No: PLC/344

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Orica Australia Pty Ltd of 1 Nicholson Street, Melbourne, Victoria 3000 (ABN 04 117 828) has submitted a synthetic polymer of low concern (PLC) notification statement in support of their application for an assessment certificate for Substance HPA8B. The notified polymer is intended to be used as a polymeric dispersant in water based decorative (architectural) and industrial tinters and coatings. It is estimated that up to 10 tonnes of the notified chemical will be imported per annum for each of the first five years.

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

##### Hazard Classification

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

##### Public Health

There is low concern to public health when used in the manner described.

##### Occupational Health and Safety

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

##### Environmental Risk Assessment

Due to the limited exposure, 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.
- Service personnel should wear impervious gloves, coveralls and goggles and ensure adequate ventilation is present during routine manufacture and applications. Where the coating is to be sprayed, cartridge type respirators may also be worn.
- 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 in accordance with the methods described in the Material Safety Data Sheet, including by licensed waste contractor and in accordance with local jurisdiction waste management guidance.

#### Emergency procedures

- Spills/release of the notified polymer should be handled by containing and absorbing with sand and soil. The waste can then be collected and sealed in appropriately labelled drums for disposal. Personnel involved in the clean up procedure should wear protective clothing to avoid skin and eye contact.

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

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.

No additional secondary notification conditions are stipulated.

## 12 PUBLICATION SUMMARY REPORT

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### 811-S Polyester Alkyd Resin Summary Report Reference No: PLC/352

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Degussa Coatings & Colorants Pty Ltd of 30 Commercial Drive Dandenong VIC 3175. (ABN 16 079 823 313) has submitted a synthetic polymer of low concern (PLC) notification statement in support of their application for an assessment certificate for 811-S Polyester Alkyd Resin. The notified polymer is intended to be used as a binder vehicle in the manufacture of solvent based pigment dispersions, which are incorporated into coloured paints. Up to 30 tonnes of the notified chemical will be imported per annum for each of the first five years.

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

##### **Hazard Classification**

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

##### **Environmental Risk Assessment**

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

##### **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.

#### **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

- Wastes generated during industrial application should be disposed of through a licensed waste contractor. Wastes generated during domestic use should be disposed of according to the following instructions: “Do not pour unwanted paint down the drain. Keep unwanted paint in sealed containers for disposal via special chemical waste collections. Empty paint containers should be left open in a well-ventilated area to dry out. When dry, recycle steel containers via steel can recycling programs. Disposal of empty paint containers via domestic recycling programs may differ between local authorities. Check with your local council first.”

### Emergency procedures

- Spills and leaks of the notified polymer should be contained by absorbing with inert material.
- Collect and place waste material in secure closed container and treat or dispose of in accordance with all local, state/provincial and national requirements.

### 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.

No additional secondary notification conditions are stipulated.

### **13 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](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 8816 or fax: (02) 8577 8888.

## 14 COMMERCIAL EVALUATION CATEGORY PERMIT

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

**Table 1**  
**Commercial Evaluation Category Permits**

PERMIT NUMBER	COMPANY NAME	COMPANY POSTCODE	CHEMICAL OR TRADE NAME	HAZARDOUS SUBSTANCE	QUANTITY	USE	PERIOD APPROVED
561	Chevron Oronite Australia	3000	OLOA 289M(1)	Yes	120 kg	Additive in gear oil	1 year
562	Chevron Oronite Australia	3000	OLOA 289M(2)	Yes	300 kg	Additive in gear oil	1 year
563	Chevron Oronite Australia	3000	OLOA 289M(3)	Yes	180 kg	Additive in gear oil	1 year
565	Johnson & Johnson Pacific Pty Ltd	2007	1,4:3,6 dianhydro-2,5-di-o-methyl-D-glucitol	No	500 kg	Skin emollient in cosmetic products	1 year
566	Croda Singapore Pty Ltd	2163	Fatty acids C <sub>10</sub> -C <sub>20</sub> and C <sub>16</sub> -C <sub>18</sub> unsaturated, reaction products with triethanolamine, di-Me sulfate-quaternized	ND	1000 kg	Hair conditioning agent	1 year
567	Henkel Australia Pty Ltd	2086					
568	Dow Corning Australia Pty Ltd	2113	9509 Silicone Elastomer	No	2000 kg	Cosmetic ingredient	2 years

599	Lord Chemicals Australia Pty Ltd	3043	Component of Photoglaze J179	ND	1000 kg	Screenprinting ink	1 year
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## 15 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 2**  
**Low Volume Category Permits**

PERMIT NUMBER	COMPANY NAME	COMPANY POSTCODE	CHEMICAL OR TRADE NAME	HAZARDOUS SUBSTANCE	USE	DATE
520	Vantico Pty Ltd	3074	ZKRM 2098	Yes	Component of an adhesive	20.03.2003
521	Vantico Pty Ltd	3074	Adduct RGW	Yes	Component of a hardener	20.03.2003
522	Castrol Australia Pty Ltd	2161	Decanoic acid, mixed esters with heptanoic acid, isoronanoic acid, octanoic acid and pentaerythritol	No	Component of grease	04.04.2003
523	Castrol Australia Pty Ltd	2161	Hatcol 1570	No	Component of gear oil	04.04.2003
524	Canon Australia Ltd	2113	DP3002	No	Dispersant for printing ink	06.05.2003
525	DuPont (Australia) Ltd	2164				

526	DuPont (Australia) Ltd	2164	DP7003	No	Dispersant for printing ink	06.05.2003
527	Hewlett- Packard Australia Pty Ltd	2164				
528	Canon Australia Pty Ltd	2113	DP3001	ND	Component for printing ink	06.05.2003
529	DuPont (Australia) Ltd	2164				

**16 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
Diglycidyl-9,9'-bis(4-hydroxyphenyl)fluorene	47758-37-2	$C_{31}H_{26}O_4$
1,3 benzenedicarboxylic acid, 5-sulpho-, 1,3-dimethylester, sodium salt, polymer with dimethyl 1,4-benzene dicarboxylate, dimethyl pentanedioate and 1,2-ethanediol	65072-10-8	$(C_{10}H_{10}O_7S.C_{10}H_{10}O_4.C_7H_{12}O_4.C_2H_6O_2.Na)_x$
2-Butenedioic acid, polymer with 2-methyl-1-propene and octadecene, sodium salt	191175-18-5	$(C_{18}H_{36}.C_4H_8.C_4H_4O_4)_x.xNa$
Dicesium pentachloronitrisylsimate	22615-69-6	$Cl_5NOOs.2Cs$
2-propenoic acid, 2-methyl-, hydroxypropyl ester, polymer with 2-propenoic acid, 2-methyl-, butyl ester, 2-propenoic acid, 2-methyl-, methyl ester, 2-propenoic acid 2-methyl and ethenylbenzene	58998-54-2	$(C_8H_{14}O_2.C_8H_8.C_7H_{12}O_3.C_5H_8O_2.C_4H_6O_2)_x$
2-Propenoic acid, 2-methyl-, hydroxyethyl ester, polymer with 2-propenoic acid, 2-methyl-, methyl ester, ethenylbenzene, 2-propenoic acid, 2-methyl-, isodecyl ester and 2-propenoic acid, butyl ester	182479-07-2	$(C_{14}H_{26}O_2.C_8H_8.C_7H_{12}O_2.C_6H_{10}O_3.C_5H_8O_2)_x$
Tetradecanamide, N-[3[[4-[[2-[[2-2,4-bis(1,1-dimethylpropyl)phenoxy]-1-oxobutyl]amino]phenyl]thio]-4,5-dihydro-5-oxo-1-(2,4,6-trichlorophenyl)-1H-pyrazol-3-yl]amino]-4-chlorophenyl]	150779-67-2	$C_{55}H_{71}Cl_4N_5O_4S$
Butanoic acid, 3-oxo-, 2-[(2-methyl-1-oxo-2-propenyl)oxy]ethyl ester, polymer with butyl 2-methyl-2-propenoate, ethenylbenzene, 2-ethylhexyl 2-methyl-2-propenoate and 2-hydroxyethyl 2-methyl-2-propenoate, pentyl ethaneperoxoate-initiated	440361-56-8	Unspecified

## 17 NOTICE OF AMENDMENTS TO THE AUSTRALIAN INVENTORY OF CHEMICAL SUBSTANCES

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

1. The following amendment to the Inventory has been made:

**Table 4 Amendment to AICS**

CHEMICAL NAME	AICS NUMBER	MOLECULAR FORMULA
3-Chloro-2-methylpropene, reaction product with octanoic acid and tetraethylenepentamine, acetic acid salts	710-40-7A	C <sub>33</sub> H <sub>64</sub> N <sub>5</sub> O <sub>3</sub>

2. The following chemical has been added to AICS.

CHEMICAL NAME	CAS NUMBER	MOLECULAR FORMULA
Linseed oil, polymer with bisphenol A, bisphenol A diglycidyl ether, diethylenetriamine, formaldehyde, glycidyl Ph ether and pentaethylenehexamine	68915-81-1	(C <sub>21</sub> H <sub>24</sub> O <sub>4</sub> .C <sub>15</sub> H <sub>16</sub> O <sub>2</sub> .C <sub>10</sub> H <sub>28</sub> N <sub>6</sub> .C <sub>9</sub> H <sub>10</sub> O <sub>2</sub> .C <sub>4</sub> H <sub>13</sub> N <sub>3</sub> .CH <sub>2</sub> O.Unspecified) <sub>x</sub>

**18      SECONDARY NOTIFICATION OF NOTIFIED CHEMICAL**  
**PROSOFT TQ 1003**  
**(NA/956)**

Under Sub-Section 65(2) of the *Industrial Chemical (Notification and Assessment) Act 1989* (the Act), the Director requires the secondary notification of **Prosoft TQ 1003** by:

Hercules Chemical Solutions Pte Ltd  
1612-1638 Centre Road  
Springvale VIC 3207

The data required, referring to the relevant sections of the schedule to the Act, are as follows:

Part A Summary of Notification

2. Summary of Health and Environmental Effects

Part B Identity, Properties and Uses

3. Use
5. Manufacture/Import Volume
6. Occupational Health and safety
7. Environmental Impact
8. Public Health
9. Physical and Chemical Data
11. Label
12. MSDS
13. Emergency procedures

Part C Toxicity

- Acute Toxicity
- Ecotoxicity
- Biodegradation

The data requested include any occupational health and safety, public health and environmental effects of the notified chemical raised after the certificate issuing, any new test studies performed, and information regarding the extra volumes and new use pattern. In addition, the notifier is requested to provide results and test reports for fixation rates of the notified chemical to paper, and the results of recent quarterly monitoring of the treatment plant effluent.

The information required should be provided to the Director of Chemical Notification and Assessment within 28 days of the publication of this notice.

## 19 DECLARATION OF TRICLOSAN AS A PRIORITY EXISTING CHEMICAL

In accordance with section 51 of the *Industrial Chemicals (Notification and Assessment) Act, 1989* (the Act) as amended, notice is given that the Parliamentary Secretary to the Minister for Health and Ageing has declared **phenol, 5-chloro-2-(2,4-dichlorophenoxy)-**, Chemical Abstracts Service number 3380-34-5, as a Priority Existing Chemical (PEC) for full risk assessment.

This notice details the scope and purpose of the assessment of phenol, 5-chloro-2-(2,4-dichlorophenoxy)-, commonly known as **triclosan**, and what is required of manufacturers, importers, formulators and industrial users of the chemical.

### REASONS FOR DECLARATION

The reported uses of triclosan in Australia are in some personal care products, plastics, textiles, carpet underlay/foam, PVC swimming pool liners, and in certain types of cleaning products.

Widespread use of triclosan provides a number of ways for the chemical to enter the environment. In tests, triclosan has been shown to be toxic to aquatic species, with very high toxicity exhibited in algae. The chemical properties of triclosan indicate that it may be bioaccumulative and persistent in the environment. Additionally, there are reports that suggest incineration of textile products containing triclosan may result in the formation of dioxin like substances.

### SCOPE AND PURPOSE OF THE ASSESSMENT

The assessment will identify the health and environmental hazards and the potential for exposure to triclosan in Australia, so that the risks of adverse effects to the environment, workers, and the public can be determined. Based on the findings of the risk assessment, the report will make recommendations on how to reduce any identified risks and promote the safe use of the chemical.

Use of triclosan and/or products containing triclosan may continue while it remains a PEC.

The issue of antimicrobial resistance following use of triclosan has been reviewed recently in the EU and found not to be of concern under current conditions of use: this report will be referred to in the NICNAS assessment. Additionally, a EU hazard evaluation of triclosan for physical-chemical properties, health and environmental effects is ongoing, and a risk assessment on the biocidal uses of triclosan in the EU is to be conducted in the near future. A watching brief will be kept on the progress of these EU assessments and, if available, the findings taken into consideration in this report.

### MATTERS TO BE TAKEN INTO ACCOUNT IN THE ASSESSMENT

The matters that will be taken into account in preparing the assessment report on triclosan are as follows:

- (a) physico-chemical properties of triclosan, including purity/impurities;
- (b) uses of triclosan;
- (c) extent of occupational, public and environmental exposure to triclosan;

- (d) any adverse human or environmental effects of triclosan;
- (e) risks to people and the environment resulting from exposure to triclosan;
- (f) extent to which any risk is capable of being reduced.

## **REQUIREMENT TO APPLY FOR ASSESSMENT**

Triclosan will remain a PEC from 6 May 2003 until a summary assessment report is published.

In accordance with the Act (section 55), all those who wish to manufacture or import triclosan during the period that it is a PEC **must apply** in writing using the PEC application form. Importers of products/mixtures containing triclosan must also apply for assessment. There are no application fees. However, there is a penalty for manufacturing or importing a PEC without first applying for assessment of the chemical. Persons who have applied for assessment may continue to import or manufacture triclosan and/or triclosan containing products while it is a PEC.

Applications are required before **3 June 2003**. Two or more persons may make joint applications. Persons other than importers or manufacturers **may apply** for assessment.

Potential applicants are requested to contact the Contact Officer (details below) to obtain a PEC information package, which contains the necessary forms and explanatory material.

## **REQUIREMENT TO PROVIDE INFORMATION**

Importers, manufacturers, formulators and users of triclosan play an important role in the assessment process by providing information. The Act (sections 51 and 58) enables collection of this information. The information being requested is detailed below.

Where information is listed below as being required, this means there is a penalty under the Act for non-compliance.

Confidentiality may be claimed for certain items of information. Details on what items may be granted confidentiality and how to make a formal application for confidentiality are included in the information package. Note that a formal application and a fee of \$500 are required for claims of confidentiality.

## **SUBMISSION OF INFORMATION**

The closing date for provision of information is **28 July 2003**.

Applicants are required to provide the following information:

- a) annual quantities of the chemical which have been manufactured in the calendar years 2001, 2002 and in 2003 to date and the quantities proposed to be manufactured during the remainder of 2003;
- b) annual quantities of the chemical imported (as 'pure' triclosan and/or in products/mixtures) in the calendar years 2001, 2002 and 2003 to date along with the

concentrations of triclosan in the products/mixtures and the product names; and, the quantities proposed to be imported during the remainder of 2003,

- c) annual quantities of the chemical which have been formulated into products/mixtures by the applicant in the calendar years 2001, 2002 and 2003 to date, the concentration of triclosan in these products/mixtures and the product names; and, quantities proposed to be formulated during the remainder of 2003,
- d) uses or potential uses of triclosan known to the applicant;
- e) methods used or proposed to be used by the applicant in handling, storing, manufacturing and disposal of triclosan;
- f) copies of Material Safety Data Sheets (MSDS) and labels for triclosan and its products;
- g) any unpublished studies relevant to human and environmental toxicity and risks associated with triclosan and any other published and unpublished information relevant to the assessment;
- h) contact details of the persons to whom the applicant has supplied or intends to supply triclosan or products/mixtures containing triclosan. This is important information which enables NICNAS to contact downstream users for information necessary for assessment. Customer lists are kept confidential.

Applicants are required to provide any relevant new information that becomes available while the chemical is a PEC.

Persons who are not applicants and who have manufactured and/or imported triclosan in the two years prior to this notice are required to provide the following information:

- a) annual quantities of the chemical which were manufactured in the calendar years 2001 and 2002;
- b) annual quantities of the chemical and/or products/mixtures containing the chemical which were imported in the calendar years 2001 and 2002;
- c) end use of triclosan and/or products/mixtures containing the chemical

Persons (who are not applicants) who are formulating or intend to formulate products/mixtures containing triclosan while it is a PEC are required to provide the following information by the due date or whenever it becomes known:

- a) annual quantities of the chemical which have been formulated into products/mixtures by the formulator in the calendar years 2001, 2002 and 2003 to date, the concentration of triclosan in these products/mixtures and the product names;
- b) uses or potential uses of triclosan known to the formulator;

- c) methods used or proposed to be used by the formulator in handling, storing, manufacturing and disposal of triclosan;
- d) copies of Material Safety Data Sheets (MSDS) and labels for products/mixtures containing triclosan;
- e) any unpublished studies relevant to the human and environmental toxicity and risks associated with triclosan and any other published and unpublished information relevant to the assessment;
- f) contact details of the persons to whom the formulator has supplied or intends to supply products/mixtures containing triclosan. This is important information which enables NICNAS to contact downstream users for information necessary for assessment. Customer lists are kept confidential.

Any other persons who have relevant information, such as users of triclosan, are encouraged to provide this information.

**Contact Officer:** Paul Harvey, ph (02) 8577 8892, fax (02) 8577 8888 or email: [paul.harvey@nicnas.gov.au](mailto:paul.harvey@nicnas.gov.au)

## 20 NICNAS PFOS ALERT 2

In September 2002 the National Industrial Chemicals Notification and Assessment Scheme called for information on uses of perfluoroalkyl sulfonate (PFAS) chemicals in Australia - including information on the specific PFAS chemical perfluorooctane sulfonate (PFOS).

PFOS is a member of the PFAS group of chemicals. The September 2002 call for information updated an earlier call for information by NICNAS in July 2000 on PFOS uses in Australia and was subsequent to a voluntary phase out of PFOS in Australia by 3M since 2000.

The hazards of the PFAS group of chemicals and in particular PFOS have been of international interest. Australia, via NICNAS and Environment Australia, participated in an Organisation for Economic Co-operation and Development (OECD) hazard assessment of PFOS. Based on the OECD report and information from the two data calls by NICNAS, the NICNAS PFOS Alert 1 [http://www.nicnas.gov.au/publications/pdf/Alert\\_1\\_PFOS.pdf](http://www.nicnas.gov.au/publications/pdf/Alert_1_PFOS.pdf) has been updated. PFOS Alert 2 can be accessed on the NICNAS website at [http://www.nicnas.gov.au/publications/pdf/Alert\\_2\\_PFOS.pdf](http://www.nicnas.gov.au/publications/pdf/Alert_2_PFOS.pdf)

If you would like any further information please contact Dr Jane Weder ph: 02 8577 8895; fax: 02 8577 8888 or email [jane.weder@nicnas.gov.au](mailto:jane.weder@nicnas.gov.au)

## 20 NATIONAL INDUSTRIAL CHEMICALS NOTIFICATION AND ASSESSMENT SCHEME (NICNAS )

### LOW REGULATORY CONCERN CHEMICALS (LRCC)

#### PUBLIC DISCUSSION PAPER

#### CALL FOR COMMENT

The LRCC Public Discussion Paper for NICNAS's reform initiative will be released on 7 May 2003 for public comment. The LRCC Public Discussion Paper has been developed under the auspices of the LRCC Task Force. It has been compiled with the assistance of LRCC technical working groups consisting of members from government, industry and the community. The document includes outcomes from consultations with invited individuals from a range of industry, government and community groups.

The proposed reforms aim to introduce flexibility and optimise resource allocation in the industrial chemicals risk assessment process. This will enable faster introduction of certain chemicals of low risk (including chemicals of low hazard or low or controlled exposure) or previously assessed chemicals, without compromising public health, worker safety or the environment.

The document will be available from the NICNAS website [www.nicnas.gov.au](http://www.nicnas.gov.au) from 7 May 2003.

In addition, [www.nicnas.gov.au](http://www.nicnas.gov.au) contains papers on the background to the reform initiative and other relevant information. A hardcopy can be made available upon request. Please call Freecall 1800 638 528 with your details.

#### **Please send comments in writing to:**

NICNAS  
LRCC Reform  
GPO Box 58  
Sydney NSW 2001

or

Email: [lrcc@nicnas.gov.au](mailto:lrcc@nicnas.gov.au)

or

Fax (02) 8577 8888

#### ***Enquiries***

Dusanka Sabic 02 8577 8870

**The closing date for comments is Friday 30 May 2003.**

## 22 AICS A STEP CLOSER TO RELEASE ON THE WEB

A significant milestone in the history of the Australian Inventory of Chemical Substances (AICS) was reached on 5 May 2003 when a Deed was executed between NICNAS and the American Chemical Society Chemical Abstract Service (CAS). The Deed clears the way for the AICS to be placed on the web. The AICS contains some CAS information and NICNAS was previously restricted to distributing this information within Australia.

**Contact for further information:**

Phillip Lee, Team Leader Innovation and Compliance

Phone: (02) 8577 8830

Email: [phillip.lee@nicnas.gov.au](mailto:phillip.lee@nicnas.gov.au)