



Australian Government

*Gazette*

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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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As per the notice in the *Chemical Gazette* of 6 February 2007 octaBDE is no longer a PEC as it was removed from the Australian Inventory of Chemical Substances (AICS). This means that manufacture and/or importation of octaBDE into Australia will require notification to and assessment of the chemical by NICNAS. Manufacture and importation of octaBDE is also not permitted under the NICNAS exemption categories except as laboratory standards for analytical determination. Persons importing octaBDE for analytical purposes must comply with annual reporting obligations as required under the Act.

Penalties apply under the Act if pentaBDE and octaBDE or mixtures containing these chemicals are manufactured or imported after 6 March 2007 (pentaBDE) and 6 February 2007 (octaBDE).

If you would like further information or wish to discuss any aspect of this activity please, contact Sneha Satya - Team Leader, Review & Treaties on (02) 8577 8880 or email: [sneha.satya@nicnas.gov.au](mailto:sneha.satya@nicnas.gov.au).

## **2 DATA COLLECTED BY NICNAS ON USES OF PERFLUOROOCTANE SULFONATE (PFOS), PERFLUOROALKYL SULFONATE (PFAS), PERFLUOROOCTANOIC ACID (PFOA) AND THEIR RELATED SUBSTANCES, AND PRODUCTS/MIXTURES CONTAINING THESE SUBSTANCES**

The Director of NICNAS sought information under section 48 of the *Industrial Chemicals (Notification and Assessment) Act 1989* (the Act) on the manufacture, importation and use of perfluorooctane sulfonate (PFOS), perfluoroalkyl sulfonate (PFAS), perfluorooctanoic acid (PFOA) and their related substances, and products/mixtures containing these substances. A notice calling for information was published in the Chemical Gazette of 7 March 2006.

Sixty-one associations and companies responded to the call for information. It was reported that no manufacture of these chemicals occurs in Australia. Ten importers and two formulators provided responses indicating import or formulation activities with PFAS, PFOA and/or PFCA (perfluorocarboxylic acid) related substances, while majority of the responses indicated that neither importation nor use of PFOS or PFOA had occurred since the last NICNAS call for information in 2003. In accordance with section 50A of the Act, summaries of the information collected are published in NICNAS Alerts 5 and 6, which can be accessed on the NICNAS website.

**Alert 5:** [PFOS and PFAS](#)

**Alert 6:** [PFOA and PFCA](#)

**3 SECONDARY NOTIFICATION OF NOTIFIED CHEMICAL  
ARACHIDYL GLUCOSIDE  
(LTD/1183)**

Under subsection 65(2) of the *Industrial Chemical (Notification and Assessment) Act 1989* (the Act), the Director requires the secondary notification of **Arachidyl glucoside** by:

Johnson & Johnson Pacific Pty Ltd  
45 Jones St  
Ultimo NSW 2007

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

Part C Toxicity

Human Health

- (a) the chemical's toxic effects after a single oral administration;
- (b) the chemical's toxic effects after a single dermal exposure;
- (d) the extent of dermal irritation caused by the chemical
- (e) the extent of eye irritation caused by the chemical;
- (g) the toxic effects of the chemical on administration for a period of 10 to 14 days;
- (k) any production by the chemical of chromosome damage in mammalian cells grown in vitro.

Any additional data available on toxicological and/or ecotoxicological effects of the chemical.

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

#### 4 VOLUNTARY CALL FOR INFORMATION

NICNAS is seeking information on uses and exposure to **methyldibromo glutaronitrile (CAS No: 35691-65-7)** (in raw form or in products), due to potential health concerns (particularly skin sensitisation).

The chemical identity of methyldibromo glutaronitrile is listed below:

**Chemical Name:** *Pentanedinitrile, 2-bromo-2-(bromomethyl)-*

Other Names/Trade Names: MDBGN  
1,2-Dibromo-2,4-Dicyanobutane (DBDCB)  
Tektamer or Tektamer 38  
Tuopai DM 01  
Bromothalonil

The following specific information is sought for this chemical:

- Estimate of the total quantity (tonnes/year) of MDBGN imported to Australia (in raw form or in products);
- Estimate of the total quantity (tonnes/year) of MDBGN manufactured in Australia (in raw form or in products);
- Uses of MDBGN or the products containing the chemical; and
- The types of products, concentration of MDBGN in the products and whether any products are available to the public.

NICNAS encourages all persons who have relevant information to provide this to NICNAS by **6 April 2007**.

Information should be sent to  
Lorma Gutierrez  
Rapid Risk Assessment  
NICNAS  
GPO Box 58  
Sydney NSW 2001

If you would like any further information or wish to discuss any aspect of this activity please contact Lorma Gutierrez by phone: (02) 8577 8863, fax: (02) 8577 8888 or email: [lorma.gutierrez@nicnas.gov.au](mailto:lorma.gutierrez@nicnas.gov.au).

## 5 RECENTLY PUBLISHED OECD CHEMICAL REPORTS

A number of Screening Information Data Set initial assessment reports (SIARs), conducted under the OECD's High Production Volume (HPV) Programme, have recently been published. The table below lists the chemicals.

Under the HPV programme, OECD member countries co-operatively undertake an initial assessment of HPV chemicals, to screen them and agree on the need for further work.

HPV chemicals include all chemicals manufactured or imported at levels greater than 1,000 tonnes per year in at least one Member country or in the European Union region.

Australia takes an active role in reviewing draft SIARS and participating in the forums where the conclusions and recommendations of the reports are discussed and agreed.

The SIARS are a useful source of chemical hazard information for both industry and the public.

The SIDS Initial Assessment Reports for these chemicals are available from the following website: <http://www.chem.unep.ch/irpte/sids/OECDIDS/INDEXCHEMIC.htm>

Chemicals	CAS N°	SIAM*
C10-13 Alkylbenzene sulfonic acid, sodium salt	68411-30-3	20
C10-13 Alkyl deriv benzene sulfonic acid, sodium salt	90194-45-9	20
4-C10-13-sec Alkyl deriv. benzene sulfonic acid, sodium salt	127184-52-5	20
C10-14 Alkyl deriv benzene sulfonic acid, sodium salt	69669-44-9	20
Ammonium chloride	12125-02-9	17
Ammonium persulfate	7727-54-0	20
Barium carbonate	513-77-9	20
Calcium Gluconate	299-28-5	18
$\epsilon$ -Caprolactone	502-44-3	19
1-Chloro-1,2,2,2-tetrafluoroethane	2837-89-0	16
p-Chlorotoluene	106-43-4	20
Copper monochloride	7758-89-6	21
Decylbenzene sulfonic acid, sodium salt	1322-98-1	20
Diallyl phthalate	131-17-9	19
N, N-Dicyclohexyl-2-benzothiazolesulfenamide	4979-32-2	18
Diethylmalonate	105-53-3	20
Dimethylmalonate	108-59-8	20
Dimethyl phosphonate	868-85-9	18
Diphenyl carbonate	102-09-0	19
Dodecylbenzene sulfonic acid, sodium salt	25155-30-0	19

Ethanol, 2-tert-butoxy-	7580-85-0	19
Ethylene Glycol Phenyl Ether	122-99-6	18
Ethyltriacetoxysilane	17689-77-9	21
2-Furanmethanol, tetrahydro	97-99-4	20
Gluconic acid	526-95-4	18
Glucono-Delta-Lactone	90-89-2	18
Hydroxyethyl acrylate	818-61-1	20
Hydroxypropyl acrylate	25584-83-2	20
$\beta$ -Ionone [(E)-4-(2,6,6-trimethyl-1-cyclohexen-1-yl)buten-2-one]	79-77-6	18
Iron dichloride	7758-94-3	19
Isobutyl isobutyrate	97-85-8	20
Isophytol	505-32-8	16
DL-Lactone	79-50-5	21
2-Methyl-2-butene	513-35-9	19
Methyltriacetoxysilane	4253-34-3	21
C10-14 Monoalkylbenzene sulfonic acid, sodium salt	85117-50-6	20
C10-16 Monoalkylbenzene sulfonic acid, sodium salt	68081-81-2	20
2-Naphthol	135-19-3	15
1,1,1,2,2-Pentafluoroethane	354-33-6	20
Phosphoryl trichloride	10025-87-3	19
Potassium gluconate	299-27-4	18
Propylene Glycol Phenyl Ether (minor isomer - primary alcohol)	4169-04-4	18
Propylene Glucol Phenyl Ether (commercial mixed isomer product)	41593-38-3	18
Propylene Glucol Phenyl Ether (major isomer - secondary alcohol)	770-35-4	18
Potassium persulfate	7727-21-1	20
Silane, trimethoxy[3-(oxiranylmethoxy)propyl]	2530-83-3	19
Silicic acid, aluminum sodium salt	1344-00-9	19
Silicic acid, calcium salt	1344-95-2	19
Silicon dioxide	7631-86-9	19
Silicon dioxide (synthetic amorphous silica)	112945-52-5	19
Silicon dioxide (synthetic amorphous silica)	112926-00-8	19
Sodium gluconate	527-07-1	18
Sodium persulfate	7775-27-1	20
Tetraethylene glycol butyl ether	1559-34-8	15
Tetraethylene glycol methyl ether	23783-42-8	15
1,2,3,4-Tetrahydronaphthalene	119-64-2	19
Tetrahydrothiophene-1,1-dioxide	126-33-0	19
Thiodiglycol	111-48-8	19

o-Toluidine	95-53-4	19
2,4,6-Tribromophenol	118-79-6	17
Tridecylbenzene sulfonic acid, sodium salt	26248-24-8	20
Tris(2-ethylhexyl)benzene-1,2,4-tricarboxylate	3319-31-1	14
Triethylene glycol butyl ether	143-22-6	15
Triphenyl phosphate	115-86-6	15
Tungsten Carbide	12070-12-1	21
Undecylbenzene sulfonic acid, sodium salt	27636-75-5	20
Sodium gluconate	527-07-1	18

\* SIDS Initial Assessment Meeting at which the report was discussed.

## 6 PUBLICATION SUMMARY REPORT

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### Tego Wet 500 Summary Report Reference No: LTD/1278

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International Sales & Marketing Pty Ltd (ABN 36 467 259 314) of 260 - 262 Highett Road Highett VIC 3190 has submitted a limited notification statement in support of their application for an assessment certificate for Tego Wet 500. The notified polymer is intended to be used as a low foam wetting agent in coatings, paints, and printing inks. One 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 can not be classified under the NOHSC *Approved Criteria for Classifying Hazardous Substances*.

The notified polymer contains ethylene glycol ethers that constitute a structural alert associated with a variety of adverse health effects.

##### Occupational Health and Safety

There is no significant 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*

##### Health Surveillance

- As the notified polymer may be of health concern, employers should carry out health surveillance for workers involved in handling of the notified polymer.

##### Occupational Health and Safety

- Employers should implement the following engineering controls to minimise occupational exposure to the notified polymer:
  - Local exhaust ventilation during reformulation and packaging.
  - Ventilation during paints and coating operations.
  - Local exhaust ventilation should be in place during all spraying operations.

- Employers should implement the following safe work practices to minimise occupational exposure during handling of the notified polymer:
  - Avoid skin, eye and inhalation exposure.
- Employers should ensure that the following personal protective equipment is used by workers to minimise occupational exposure to the notified polymer:
  - Safety glasses, gloves and protective industrial clothing during reformulation and when products are applied using roller
  - Respiratory protection, safety glasses, gloves, and protective industrial clothing during spraying operations.

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.
- The notified polymer should be handled in accordance with provisions of State and Territory legislation regarding the Handling of Combustible and Flammable Liquids.
- 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 incineration or landfill.

#### Storage

- The notified polymer should be stored in accordance with provisions of State and Territory legislation regarding the Storage of Combustible and Flammable Liquids.

#### Emergency procedures

- Spills or accidental release of the notified polymer should be handled by physical containment, whilst preventing entry to drains and waterways. Do not discharge to soil or subsoil. Collect spill with adsorbent material (eg sand, vermiculite or universal binder) and place in suitable 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 importation volume exceeds one tonne per annum notified polymer; or
- if the concentration of the notified polymer in final products exceeds 2%.

- repeat dose toxicity and/or developmental/reproductive toxicity data becomes available; or
- reporting of adverse health effects becomes available.

or

Under Section 64(2) of the Act:

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

The Director will then decide whether secondary notification is required.

## 7 PUBLICATION SUMMARY REPORT

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### Chemical in EFKA-5071 Summary Report Reference No: LTD/1281

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Ciba Specialty Chemicals Pty Ltd (ABN 97 005 061 469) of 235 Settlement Road, Thomastown Vic 3074 has submitted a limited notification statement in support of their application for an assessment certificate for Chemical in EFKA-5071. The notified chemical is intended to be used as a wetting and dispersing agent in solvent based automotive paints for use in crash repair shops. Up to 1 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

No toxicological data have been provided for the notified chemical and therefore the substance cannot be classified in accordance with the NOHSC *Approved Criteria for Classifying Hazardous Substances* (NOHSC, 2004)

##### Occupational Health and Safety

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

##### Public Health

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

##### Environmental Effects

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

#### RECOMMENDATIONS

##### *Control Measures*

##### Occupational Health and Safety

- Employers should implement the following safe work practices to minimise occupational exposure during handling of the notified chemical as introduced and in reformulated paint products:
  - Avoid contact with skin and eyes
  - Avoid splashes and spills
  - Do not breathe spray
  - Spray application of paint containing the notified chemical should be in accordance with the NOHSC *National Guidance Material for Spray Painting* (NOHSC, 1999b)

- Employers should ensure that the following personal protective equipment is used by workers to minimise occupational exposure to the notified chemical as introduced and in reformulated paint products:
  - Suitable protective clothing
  - Eye/face protection
  - Suitable gloves
  - Suitable respirators where inhalation exposure is possible
- Employers should implement the following engineering controls to minimise occupational exposure to the notified chemical as introduced and in the formulated paint product:
  - Avoid generation of aerosols during paint formulation and preparation
  - Spray application should be carried out in an enclosed automated spray booth where possible

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

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

#### Disposal

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

#### Emergency procedures

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

#### Secondary Notification

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
- the notified chemical is formulated in paints at a concentration of  $\geq 1\%$ ; or
- if any toxicological data on the notified chemical becomes available

or

Under Section 64(2) of the Act:

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

The Director will then decide whether secondary notification is required.

## 8 PUBLICATION SUMMARY REPORT

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### HiTEC 055 Summary Report Reference No: STD/1227

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Afton Chemical Asia Pacific LLC (ABN: 99 109 644 288) of Level 9, Berry Street, North Sydney NSW 2059 has submitted a standard notification statement in support of their application for an assessment certificate for HiTEC 055. The notified chemical is intended to be used as an additive in end-use lubricant products such as gear lubricant or vehicle transmission oil at concentration of 0.05-0.10%. Reformulation and use of the end-use lubricant products will take place throughout Australia. Up to two 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:

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

##### Environmental Effects

On the basis of the PEC/PNEC ratio:

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

#### RECOMMENDATIONS

##### *Regulatory Controls*

##### Hazard Classification and Labelling

- The Office of the ASCC, Department of Employment and Workplace Relations (DEWR), 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:
  - Conc  $\geq$ 20%: (Xi) R38 Irritating to skin

### *Control Measures*

#### Occupational Health and Safety

- Employers should implement the following safe work practices to minimise occupational exposure during handling of the notified chemical as introduced and in blended oil products:
  - Avoid skin and eye contact
- Employers should ensure that the following personal protective equipment is used as a precaution by workers to minimise occupational exposure to the notified chemical as introduced and in blended oil products:
  - Eye protection
  - Impervious gloves

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

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

#### Disposal

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

#### Emergency procedures

- For small spills, add absorbent (soil may be used in the absence of other suitable materials) and use a non-sparking or explosion-proof means to transfer material to a sealable, appropriate container for disposal. For large spills, dike spilled material or otherwise contain material to ensure run-off does not reach a waterway. Place spilled material in an appropriate container for disposal. Minimize contact of spilled material with soils to prevent run-off to surface waterways.

### **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.

## 9 PUBLICATION SUMMARY REPORT

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### Fluorosurfactant Polymer #2 in HP inkjet inks Summary Report Reference No: PLC/671

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Hewlett Packard Australia Pty Ltd (ABN 74 004 394 763) of 3 Richardson Place, North Ryde, NSW, has submitted a polymer of low concern (PLC) notification statement in support of their application for an assessment certificate for “Fluorosurfactant Polymer #2 in HP inkjet inks”. The notified polymer is intended to be used as a component of inkjet printing inks, Australia wide. Up to 50 kg 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

##### Occupational Health and Safety

The notified polymer does not pose a significant risk 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

Based on the notified polymer’s reported use pattern and the PEC/PNEC ratio, it is not considered to pose a risk to the environment.

#### RECOMMENDATIONS

##### *Control Measures*

##### Occupational Health and Safety

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

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

- Service personnel should wear cotton or disposable gloves and ensure adequate ventilation is present when removing spent printer cartridges containing the notified polymer and during routine maintenance and repairs.
- A copy of the MSDS should be easily accessible to employees.
- If products and mixtures containing the notified polymer are classified as hazardous to health in accordance with the NOHSC *Approved Criteria for Classifying Hazardous Substances*, workplace practices and control procedures consistent with provisions of State and Territory hazardous substances legislation must be in operation.

## Disposal

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

## Emergency procedures

- No special precautions necessary (cartridges).

## 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.
- other uses are proposed.
- further information becomes available regarding transformations and degradation of the notified polymer including any adverse health and environmental effects of the breakdown products. This information is to be provided to NICNAS as soon as practicable in order to determine if additional recommendations, if relevant, are required.

or

Under subsection 64(2) of the Act:

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

The Director will then decide whether secondary notification is required.

## 10 PUBLICATION SUMMARY REPORT

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### **Siloxanes and Silicones, di-Me, 3-hydroxypropyl Me, ethers with polyethylene-polypropylene glycol monobenzoate** **Summary Report** **Reference No: PLC/674**

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A.S. Harrison & Co. Pty Ltd (ABN 89 000 030 437) of 75 Old Pittwater Road, Brookvale NSW 2100 has submitted a polymer of low concern (PLC) notification statement in support of their application for an assessment certificate for Siloxanes and Silicones, di-Me, 3-hydroxypropyl Me, ethers with polyethylene-polypropylene glycol monobenzoate. The notified polymer is intended to be used at ~0.1% by weight to improve skin feel in a shaving cream formulation. 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. This is supported by toxicological endpoints observed in testing conducted on the notified polymer.

##### **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 of by authorised landfill.

#### Emergency procedures

- Spills and/or accidental release of the notified polymer should be handled by physical containment with subsequent adsorption with compatible material (sand, vermiculite etc). Transfer to suitable containers for disposal or reclamation.

#### **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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### Fluorosurfactant #1 in HP inkjet inks Summary Report Reference No: PLC/675

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Hewlett Packard (ABN: 74 004 394 763) of 3 Richardson Place, North Ryde NSW 2113 has submitted a polymer of low concern (PLC) notification statement in support of their application for an assessment certificate for Fluorosurfactant #1 in HP inkjet inks. The notified polymer is intended to be used as a component of inkjet printing inks in pre-packed cartridges. Up to 0.05 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 a product containing up to 85% notified polymer.

##### Occupational Health and Safety

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

##### Public Health

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

##### Environmental Effects

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

#### RECOMMENDATIONS

##### *Control Measures*

##### Occupational Health and Safety

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

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

- Service personnel should wear cotton or disposable gloves and ensure adequate ventilation is present when removing spent printer cartridges containing the notified polymer and during routine maintenance and repairs.
- A copy of the MSDS should be easily accessible to employees.

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

#### Disposal

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

#### Emergency procedures

- No special precautions necessary (cartridges).

#### 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.
- other uses are proposed.
- further information becomes available regarding transformations and degradation of the notified polymer including any adverse health and environmental effects of the breakdown products. This information is to be provided to NICNAS as soon as practicable in order to determine if additional recommendations, if relevant, are required.

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.

## 12 PUBLICATION SUMMARY REPORT

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### Polymer in HyJet IV-A Plus and HyJet V Summary Report Reference No: PLC/679

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Mobil Oil Australia Pty Ltd (ABN 88 004 052 984) of 12 Riverside Quay South Bank VIC 3006 has submitted a polymer of low concern (PLC) notification statement in support of their application for an assessment certificate for Polymer in HyJet IV-A Plus and HyJet V. The notified polymer is intended to be used as a viscosity index improver in aviation hydraulic fluids. Up to 4 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 No 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 authorised incineration.

Emergency procedures

- Spills and/or accidental release of the notified polymer should be handled by physical containment such as diking. Adsorb with inert material (diatomaceous earth, fire retardant treated saw dust, etc) and collect 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.

**13 PUBLICATION SUMMARY REPORT**

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**ModaFlow® 9200  
Summary Report  
Reference No: SAPLC/51**

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Cytec Australia Holdings Pty Ltd (ABN: 45 081 148 629) of Suite 1 level 1 21 Solent Circuit Baulkham Hills NSW 2153 has submitted a polymer of low concern (PLC) notification statement in support of their application for a self-assessed assessment certificate for MODAFLOW® 9200. The notified polymer is intended to be used as a flow and levelling agent for formulation in industrial spray coatings. MODAFLOW® 9200, containing ~100% notified polymer is imported via Sydney or Melbourne harbour in 25 kg or 210 kg steel drums. The drums will be transported by road to a warehouse for storage before being delivered to formulators without further repacking. The notified polymer will be poured from 25 kg steel containers into 1,000 L capacity stainless steel vats at the customer's production site. After other batch ingredients have been added, the formulation is mixed at room temperature. The spray paint (containing <10% notified polymer) is then piped into 1 or 5 L steel containers, to be sold to paint applicators. The paint is applied through spray onto substrate parts within a controlled environment. Less than 100 tonnes of the notified polymer will be imported per annum for each of the first five years.

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

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

**Occupational Health and Safety**

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

**Public Health**

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

**Environmental Effects**

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

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

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

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

- A copy of the MSDS should be easily accessible to employees.
- If products and mixtures containing the notified polymer are classified as hazardous to health in accordance with the 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.
- Spray painting should be in accordance with the NOHSC *National Guidance Material for Spray Painting*.

#### Environment

- The following control measures should be implemented by formulator to minimise environmental exposure during formulation of the notified polymer:
  - Bunding
- The following control measures should be implemented by end users (spray painters) to minimise environmental exposure during use of the notified polymer:
  - Exhaust ventilation with filter

#### Disposal

- The notified polymer should be disposed of by landfill or incinerated at an approved waste handler.

#### Storage

- The following precautions should be taken by the notifier and end-users regarding storage of the notified polymer.
  - Observe the general rules of industrial fire protection
  - Keep container tightly closed and dry in a cool, well-ventilated place

#### Emergency procedures

- Spills/release of the notified polymer should be handled by take up with absorbent material (eg sand, kieselguhr, universal binder)
  - When picked up, treat material as prescribed under heading "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.

## 14 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.

## 15 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
747 (Renewal)	La Biossthetique Australia Pty Ltd	2018	5-amino-6-chloro-o- cresol	Yes	Oxidative dye for hair dye formulations	31.1.2007
748 (Renewal)	Epson Australia Pty Ltd	2113	MJA-549(N)	Yes	Ink colourant for ink jet printer	8.02.2007

## 16 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
685 (RENEWAL)	A & I Coatings	2577	POLYMER IN UCECOAT 7849	Yes	4000 kg	Surface coating	2 yrs

## 17 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>
485	The Valspar (Australia) Corporation Pty Limited	Polymer in AK0979P	Component of paint formulations for industrial use
486	Cytec Holdings Pty Ltd	Polymer in Crylcoat 9246-0	Tackifier in PVC products
487	Cytec Holdings Pty Ltd	Polymer in GELVA GME AX 3312-22	Emulsion adhesive for clear filmic labels
488	Cytec Holding Pty Ltd	Synthacryl 700	Powder coating for application on consumer articles

**18 CONTROLLED USE PERMIT (EXPORT ONLY)**

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

**Table 4****Controlled Use Permit**

<b>PERMIT NUMBER</b>	<b>COMPANY NAME</b>	<b>CHEMICAL OR TRADE NAME</b>	<b>USE</b>
003	Swift & Company Ltd	Polyhexamethyl biguanide stearate	Ingredient in personal deodorants

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

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

**Table 5**

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

CHEMICAL NAME	MOLECULAR FORMULA	CAS NUMBER
Urea, monohydrochloride	CH <sub>4</sub> N <sub>2</sub> O.ClH	506-89-8
Fatty acids, C6-24 and C16-18-unsatd., esters with sucrose	Unspecified	93571-82-5
Pyrrolo[3,4-c]pyrrole-1,4-dione, 2,5-dihydro-3,6-bis[4-(octadecylthio)phenyl]-	C <sub>54</sub> H <sub>84</sub> N <sub>2</sub> O <sub>2</sub> S <sub>2</sub>	247089-62-9
1,4-Benzenedicarboxylic acid, polymer with (2E)-2-butenedioic acid, (chloromethyl)oxirane, 1,3-dihydro-1,3-dioxo-5-isobenzofurancarboxylic acid, formaldehyde, 1,3-isobenzofurandione, 4,4'-(1-methylethylidene)bis[phenol], .alpha.,.alpha.'-[(1-methylethylidene)di-4,1-phenylene]bis[.omega.-hydroxypoly[oxy(methyl-1,2-ethanediyl)]], oxirane and phenol	(C <sub>15</sub> H <sub>16</sub> O <sub>2</sub> .C <sub>9</sub> H <sub>4</sub> O <sub>5</sub> .C <sub>8</sub> H <sub>6</sub> O <sub>4</sub> .C <sub>8</sub> H <sub>4</sub> O <sub>3</sub> .C <sub>6</sub> H <sub>6</sub> O.C <sub>4</sub> H <sub>4</sub> O <sub>4</sub> .(C <sub>3</sub> H <sub>6</sub> O) <sub>n</sub> (C <sub>3</sub> H <sub>6</sub> O) <sub>n</sub> C <sub>15</sub> H <sub>16</sub> O <sub>2</sub> .C <sub>3</sub> H <sub>5</sub> Cl O.C <sub>2</sub> H <sub>4</sub> O.CH <sub>2</sub> O) <sub>x</sub>	268557-29-5
Fatty acids, C6-10, tetraesters with sorbitan	Unspecified	228573-47-5

## 20 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).

**Table 6**

In the March 2006 gazette the following chemical was incorrectly listed and the correct listing is as follows:

<b>Gazetted CAS number</b>	<b>Gazetted chemical name</b>	<b>Correct CAS number</b>
156559-12-5	1,3-Benzenedicarboxylic acid, polymer with 1,4-benzenedicarboxylic acid, hexanedioic acid, 1,6-hexanediol, 3-hydroxy-2-(hydroxymethyl)-2-methylpropanoic acid and 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane, compd. with 1-(dimethylamino)-2-propanol	163183-04-8

**21 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 7**

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

<b>CHEMICAL NAME</b>	<b>MOLECULAR FORMULA</b>	<b>CAS NUMBER</b>
Cyclohexanecarboxylic acid, 2,2-dimethyl-6-methylene-, methyl ester	C <sub>11</sub> H <sub>18</sub> O <sub>2</sub>	81752-87-6
2-Propenoic acid, C18-22-alkyl esters, polymers with styrene	Unspecified	816417-47-7
Siloxanes and Silicones, di-Me, 3-hydroxypropyl group-terminated, propoxylated	Unspecified	161755-53-9