



Australian Government

Gazette

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Notification and Assessment Scheme - NICNAS

CHEMICAL

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Australian Government

Department of Health and Ageing
NICNAS

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

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1 VOLUNTARY CALL FOR INFORMATION ON CHEMICALS

The National Industrial Chemicals Notification and Assessment Scheme (NICNAS) is seeking assistance from companies and organisations in providing information on 12 chemicals which can be utilised in the manufacture of explosives. Information on import or manufacture, quantities, uses, concentration of these chemicals in products, transport and container sizes of these chemicals are requested for 12 chemicals. NICNAS is collating the information on behalf of the Australian Government Attorney General's Department (AGD).

The notice is directed to all persons who have manufactured, imported or acquired one or more of the chemicals (whether in its pure form or as part of a mixture) listed in Attachment 1 from 1 January 2007 to 31 March 2009 inclusive.

The specific information sought on the chemicals listed in Attachment 1 are:

- quantities of each chemical imported into and/or manufactured in Australia for the calendar years 1 January 2007 to 31 December 2007, 1 January 2008 to 31 December 2008 and 1 January 2009 to 31 March 2009;
- all uses of the chemicals;
- if the chemicals are present at greater than 2% in products, the concentration of the chemicals in these products, and the total volume of the chemicals imported. The concentrations of nitric acid, perchloric acid and hydrogen peroxide should also be specified;
- container sizes used for these chemicals or products containing the chemicals;
- mode of transport of the chemicals or products containing the chemicals; and
- Company Names and contact details of end-users using these chemicals or products containing these chemicals at greater than 2%.

Survey forms will be forwarded by NICNAS to all identified end-users of these chemicals to obtain information on downstream use, with end-users of nitric acid and hydrogen peroxide surveyed first.

To assist with the recording of relevant information NICNAS has developed a response template which can be downloaded from http://www.nicnas.gov.au/Media/Latest_News/Expl_Precursor_Survey_XLS.xls

All information received will be treated as confidential and there is no intention to make any information publicly available.

The information is to be provided by **19 May 2009**.

This call for information is supported by the following organisations:

ACCORD Australasia
Australian Chamber of Commerce and Industry
Australian Paint Manufacturers' Federation
Fertilizer Industry Federation of Australia
The Plastics and Chemicals Industries Association
Minerals Council of Australia
Universities Australia
Australian Explosives Industry and Safety Group

Australian National Retailers Association
Australian Retailers Association
Hair and Beauty Industry Association
Hardware Federation of Australia
Australian Council of Trade Unions

All manufacturers, importers and end-users of the chemicals listed in Attachment 1 are encouraged to provide the requested information.

If you would like further information or wish to discuss any aspect of this activity please contact Phillip Sharp by phone: (02) 8577 8820, fax: (02) 8577 8888 or email: phillip.sharp@nicnas.gov.au .

Please send the information requested above to:

Lorelie Flood
Existing Chemicals
NICNAS
GPO Box58
Sydney NSW 2001

email: lorelie.flood@nicnas.gov.au

Attachment 1.

Voluntary call for information on the following chemicals

Chemical Name	CAS No.	Common Names
Ammonium perchlorate	7790-98-9	Perchloric acid, ammonium salt
Hydrogen peroxide	7722-84-1	Dihydrogen dioxide Hydrogen dioxide Hydroperoxide
Nitric acid	7697-37-2	Azotic acid Fumic acid Hydrogen nitrate Nitryl hydroxide
Nitromethane	75-52-5	Methane, Nitro- Nitrocarbonyl
Perchloric acid	7601-90-3	Hydronium perchlorate
Potassium Chlorate	3811-04-9	Chloric acid, potassium salt Potash chlorate Chlorate of potash Potassium oxymuriate
Potassium Nitrate	7757-79-1	Nitric acid, potassium salt Saltpeter Niter
Potassium Perchlorate	7778-74-7	Perchloric acid, potassium salt Potassium hyperchloride Potassium hyperchlorate
Sodium azide	26628-22-8	Hydrazoic acid, sodium salt Sodium nitride
Sodium chlorate	7775-09-9	Chloric acid, sodium salt Soda chlorate
Sodium perchlorate	7601-89-0	Perchloric acid, sodium salt
Sodium Nitrate	7631-99-4	Nitric acid, sodium salt Nitrate of soda

2 LRCC EVALUATION – INDUSTRY SURVEY: ONLINE IN LATE APRIL

The Low Regulatory Concern Chemicals (LRCC) Reforms were introduced by NICNAS in 2004 to encourage the introduction of new and safer chemicals, present options for access to industrial chemicals already assessed, and provide greater access to chemical safety information. A number of these reform initiatives were implemented in 2004-05, and are now being evaluated by Campbell Research, an independent consultant commissioned by NICNAS, to determine their effectiveness and their impact on all stakeholders. The specific reform initiatives that will be included in this evaluation are:

- Audited self-assessment of polymers of low concern and non-hazardous chemicals
- Increased exemptions for low volume, trans-shipment, cosmetic and research and development/analytical chemicals
- Administrative renewals for Low Volume Chemical and Commercial Evaluation permits
- Mandatory registration for Tier 1 companies
- Improved access to chemical safety information, including the Australian Inventory of Chemical Substances (AICS) online
- Option for early listing of notified chemicals on the AICS

The initial targeted stakeholder consultation and case study phases of the project have now been completed.

An industry-wide on-line survey will be conducted in late April-early May. An invitation to participate in the survey will be sent by Campbell Research and there will also be a link from the NICNAS website once the survey is available. NICNAS encourages industry to become involved in the evaluation by completing this on-line survey as it will allow us to develop a robust evidence base from which to consider future improvements to these initiatives.

A draft report will be published in June 2009 at which time there will be an opportunity for industry and the community to provide feedback on the findings. This feedback will be incorporated into the final report.

For more information on this project please contact Dr Sarah Rumble on (02) 8577 8832 or by email at sarah.rumble@nicnas.gov.au.

3 PUBLICATION SUMMARY REPORT

KZ-551
Summary Report
Reference No: LTD/1386

PPG Industries Australia Pty Ltd (ABN 82 055 500 939) of McNaughton Rd, Clayton VIC 3168 has submitted a limited notification statement in support of their application for an assessment certificate for KZ-551. The notified polymer is intended to be used as a component of automotive spray paint for use in original equipment manufacture. Up to 30 tonnes of the notified polymer will be imported per annum for each of the first five years.

Hazard Classification

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

Human Health Risk Assessment

Under the conditions of the occupational settings described where spray application is carried out in a highly controlled manner, the notified polymer is not considered to pose an unacceptable risk to the health of workers.

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

Environmental Risk Assessment

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

Recommendations

Regulatory Controls

Health Surveillance

- As the notified polymer is of a chemical class with known sensitising properties, employers should carry out health surveillance for any worker who has been identified in the workplace risk assessment as having a significant risk of sensitisation.

Control Measures

Occupational Health and Safety

- Employers should implement the following engineering controls to minimise occupational exposure to the notified polymer in formulated coating products:
 - Spray application should be conducted in a down draft spray booth

- Employers should implement the following safe work practices to minimise occupational exposure during handling of the notified polymer as introduced and in formulated coating products:
 - Avoid skin and eye contact
 - Avoid breathing aerosol
 - Use of coatings containing the notified polymer should be accordance with the NOHSC National Guidance Material for Spray Painting (NOHSC, 1999) or relevant State and Territory Codes of Practice.
 - Avoid skin contact with uncured coating when removing personal protective equipment.
- Employers should ensure that the following personal protective equipment is used by workers to minimise occupational exposure to the notified polymer in formulated coating products:
 - Impermeable gloves;
 - Coveralls;
 - Eye protection:
 - Suitable respirators during spray application

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

- A copy of the MSDS should be easily accessible to employees.
- If products and mixtures containing the notified chemical are classified as hazardous to health in accordance with the *Approved Criteria for Classifying Hazardous Substances* [NOHSC:1008(2004)] workplace practices and control procedures consistent with provisions of State and Territory hazardous substances legislation must be in operation.

Disposal

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

Emergency procedures

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

Regulatory Obligations

Secondary Notification

This risk assessment is based on the information available at the time of notification. The Director may call for the reassessment of the chemical under secondary notification provisions based on changes in certain circumstances. Under Section 64 of the *Industrial Chemicals (Notification and Assessment) Act (1989)* the notifier, as well as any other importer or manufacturer of the notified chemical, have post-assessment regulatory

obligations to notify NICNAS when any of these circumstances change. These obligations apply even when the notified chemical is listed on the Australian Inventory of Chemical Substances (AICS).

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

- (1) Under Section 64(1) of the Act; if
 - the polymer has a number-average molecular weight of less than 1000;
 - used for spray application that is not conducted in a highly controlled industrial environment.

or

- (2) Under Section 64(2) of the Act; if
 - the function or use of the chemical has changed from a component of automotive spray paint, or is likely to change significantly;
 - the amount of chemical being introduced has increased from 30 tonnes, or is likely to increase, significantly;
 - the method of manufacture of the chemical in Australia has changed, or is likely to change, in a way that may result in an increased risk of an adverse effect of the chemical on occupational health and safety, public health, or the environment;
 - additional information has become available to the person as to an adverse effect of the chemical on occupational health and safety, public health, or the environment.

The Director will then decide whether a reassessment (i.e. a secondary notification and assessment) is required.

Material Safety Data Sheet

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

4 PUBLICATION SUMMARY REPORT

RC-49181
Summary Report
Reference No: LTD/1390

Dupont (Australia) Ltd (ABN 59 000 716 469) of 7 Eden Park Drive Macquarie Park North Ryde NSW 2113 has submitted a limited notification statement in support of their application for an assessment certificate for RC-49181. The notified polymer is intended to be used as a resin for automotive refinish paints. Up to one tonne of the notified polymer will be imported per annum for each of the first five years.

Hazard Classification

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

Human Health Risk Assessment

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

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

Environmental Risk Assessment

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

Recommendations

Control Measures

Occupational Health and Safety

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

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

- A copy of the MSDS should be easily accessible to employees.
- Employers should implement the following safe work practices to minimise occupational exposure to the notified polymer during spray application:
 - Use of spray paints containing the notified polymer should be in accordance with the NOHSC National Guidance Material for Spray Painting (NOHSC 1999).
- If products and mixtures containing the notified chemical are classified as hazardous to health in accordance with the *Approved Criteria for Classifying Hazardous Substances* [NOHSC:1008(2004)] workplace practices and control procedures

consistent with provisions of State and Territory hazardous substances legislation must be in operation.

Disposal

- The notified chemical should be disposed of by landfill.

Emergency procedures

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

Regulatory Obligations

Secondary Notification

This risk assessment is based on the information available at the time of notification. The Director may call for the reassessment of the chemical under secondary notification provisions based on changes in certain circumstances. Under Section 64 of the *Industrial Chemicals (Notification and Assessment) Act (1989)* the notifier, as well as any other importer or manufacturer of the notified chemical, have post-assessment regulatory obligations to notify NICNAS when any of these circumstances change. These obligations apply even when the notified chemical is listed on the Australian Inventory of Chemical Substances (AICS).

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

- (1) Under Section 64(1) of the Act; if
 - the polymer has a number-average molecular weight of less than 1000;or
- (2) Under Section 64(2) of the Act; if
 - the function or use of the chemical has changed from a resin for automotive refinish paints, or is likely to change significantly;
 - the amount of chemical being introduced has increased from one tonne per annum, or is likely to increase, significantly;
 - the chemical has begun to be manufactured in Australia;
 - additional information has become available to the person as to an adverse effect of the chemical on occupational health and safety, public health, or the environment.

The Director will then decide whether a reassessment (i.e. a secondary notification and assessment) is required.

Material Safety Data Sheet

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

5 PUBLICATION SUMMARY REPORT

Polymer in Solsperse 76500 Summary Report Reference No: LTD/1393

Orica Australia Pty Ltd (ABN 99 004 117 828) of 1 Nicholson Street, Melbourne VIC 3000 has submitted a limited notification statement in support of their application for an assessment certificate for Polymer in Solsperse 76500. The notified polymer is intended to be used as polymeric dispersant at less than 5% in solvent based automotive and industrial paints. Up to 10 tonnes of the notified polymer will be imported per annum for each of the first five years.

Hazard Classification

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

Human Health Risk Assessment

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

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

Environmental Risk Assessment

Although the notified polymer has potential to exhibit toxicity to aquatic organisms, based on its reported use patterns it is not considered to pose a risk to the environment.

Recommendations

Control Measures

Occupational Health and Safety

- Employers should implement the following engineering controls to minimise occupational exposure to the notified polymer during spray application:
 - Use of spray paints containing the notified polymer should be in accordance with the NOHSC National Guidance Material for Spray Painting.
- Employers should ensure that the following personal protective equipment is used by workers to minimise occupational exposure to the notified polymer as introduced and in the formulated products:
 - Coveralls
 - Gloves
 - Safety goggles
 - Air respirator where mists are likely to be generated

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

- A copy of the MSDS should be easily accessible to employees.
- If products and mixtures containing the notified chemical are classified as hazardous to health in accordance with the *Approved Criteria for Classifying Hazardous Substances* [NOHSC:1008(2004)] workplace practices and control procedures consistent with provisions of State and Territory hazardous substances legislation must be in operation.

Disposal

- The notified chemical should be disposed of by licensed waste contractors or to landfill.

Emergency procedures

- Spills or accidental release of the notified polymer should be handled by containment and adsorption to inert material (soil, sand or other inert material). Remove sources of ignition and use non-sparking tools. Collect and place in properly labelled containers for subsequent safe disposal.

Regulatory Obligations

Secondary Notification

This risk assessment is based on the information available at the time of notification. The Director may call for the reassessment of the chemical under secondary notification provisions based on changes in certain circumstances. Under Section 64 of the *Industrial Chemicals (Notification and Assessment) Act (1989)* the notifier, as well as any other importer or manufacturer of the notified chemical, have post-assessment regulatory obligations to notify NICNAS when any of these circumstances change. These obligations apply even when the notified chemical is listed on the Australian Inventory of Chemical Substances (AICS).

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

- (1) Under Section 64(2) of the Act; if
 - the function or use of the chemical has changed from polymeric dispersant at less than 5% in solvent based automotive and industrial paints, or is likely to change significantly;
 - the amount of chemical being introduced has increased from 10 tonne per year, or is likely to increase, significantly;
 - the chemical has begun to be manufactured in Australia;
 - additional information has become available to the person as to an adverse effect of the chemical on occupational health and safety, public health, or the environment.

The Director will then decide whether a reassessment (i.e. a secondary notification and assessment) is required.

No additional secondary notification conditions are stipulated.

Material Safety Data Sheet

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

6 PUBLICATION SUMMARY REPORT

Chemical A in CP4579 Summary Report Reference No: STD/1313

Oronite Australia Pty. Ltd. (ABN 16 101 548 716) of Level 10, 45 William St Melbourne VIC 3000 has submitted a standard notification statement in support of their application for an assessment certificate for Chemical A in CP4579. The notified chemical is intended to be used as lubricating oil additive for use in automatic transmission system. Up to ten tonnes of the notified chemical will be imported per annum for each of the first five years.

Hazard Classification

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

Human Health Risk Assessment

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

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

Environmental Risk Assessment

On the basis of the very low solubility in water and absence of aquatic toxicity at the limit of water solubility, and the reported use pattern, the notified chemical is not considered to pose a risk to the environment.

Recommendations

Control Measures

Occupational Health and Safety

- Employers should implement the following safe work practices to minimise occupational exposure during handling of the notified chemical as introduced and in the product CP4579:
 - Avoid skin and eye contact
 - Electrostatic charge may accumulate and create a hazardous condition when handling this product. Therefore, review all operations, which have the potential of generating and accumulating an electrostatic charge and/or a flammable atmosphere.
- Employers should ensure that the following personal protective equipment is used by workers to minimise occupational exposure to the notified chemical as introduced and when:
 - Safety glasses if splashing is expected
 - Gloves
 - Coveralls

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

- A copy of the MSDS should be easily accessible to employees.
- If products and mixtures containing the notified chemical are classified as hazardous to health in accordance with the *Approved Criteria for Classifying Hazardous Substances* [NOHSC:1008(2004)] workplace practices and control procedures consistent with provisions of State and Territory hazardous substances legislation must be in operation.

Disposal

- The notified chemical should be disposed of by burning as fuel, or to landfill.

Storage

- There are no special requirements regarding the storage of this product. However, precautions should be taken against the accumulation of electrostatic charge, which may create a hazardous condition when handling this product.

Emergency procedures

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

Regulatory Obligations

Secondary Notification

This risk assessment is based on the information available at the time of notification. The Director may call for the reassessment of the chemical under secondary notification provisions based on changes in certain circumstances. Under Section 64 of the *Industrial Chemicals (Notification and Assessment) Act (1989)* the notifier, as well as any other importer or manufacturer of the notified chemical, have post-assessment regulatory obligations to notify NICNAS when any of these circumstances change. These obligations apply even when the notified chemical is listed on the Australian Inventory of Chemical Substances (AICS).

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

- (1) Under Section 64(1) of the Act; if
 - toxicology data has become available on Chemical A in CP4579.
- (2) Under Section 64(2) of the Act; if
 - the function or use of the chemical has changed from lubricating oil additive for use in automatic transmission system, or is likely to change significantly;
 - the amount of chemical being introduced has increased from 10 tonnes, or is likely to increase, significantly;

- the chemical has begun to be manufactured in Australia;
- additional information has become available to the person as to an adverse effect of the chemical on occupational health and safety, public health, or the environment.

The Director will then decide whether a reassessment (i.e. a secondary notification and assessment) is required.

No additional secondary notification conditions are stipulated.

Material Safety Data Sheet

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

7 PUBLICATION SUMMARY REPORT

Chemical B in CP4579 Summary Report Reference No: STD/1314

Oronite Australia Pty. Ltd. (ABN 16 101 548 716) of Level 10, 45 William St Melbourne VIC 3000 has submitted a standard notification statement in support of their application for an assessment certificate for Chemical B in CP4579. The notified chemical is intended to be used as lubricating oil additive for use in automatic transmission system. Up to ten tonnes of the notified chemical will be imported per annum for each of the first five years.

Hazard Classification

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

Human Health Risk Assessment

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

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

Environmental Risk Assessment

On the basis of the very low solubility in water and absence of aquatic toxicity at the limit of water solubility, and the reported use pattern, the notified chemical is not considered to pose a risk to the environment.

Recommendations

Control Measures

Occupational Health and Safety

- Employers should implement the following safe work practices to minimise occupational exposure during handling of the notified chemical as introduced and in the product CP4579:
 - Avoid skin and eye contact
 - Electrostatic charge may accumulate and create a hazardous condition when handling this product. Therefore, review all operations, which have the potential of generating and accumulating an electrostatic charge and/or a flammable atmosphere.
- Employers should ensure that the following personal protective equipment is used by workers to minimise occupational exposure to the notified chemical as introduced and when:
 - Safety glasses if splashing is expected
 - Gloves
 - Coveralls

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

- A copy of the MSDS should be easily accessible to employees.
- If products and mixtures containing the notified chemical are classified as hazardous to health in accordance with the *Approved Criteria for Classifying Hazardous Substances* [NOHSC:1008(2004)] workplace practices and control procedures consistent with provisions of State and Territory hazardous substances legislation must be in operation.

Disposal

- The notified chemical should be disposed of by burning as fuel, or to landfill.

Storage

- There are no special requirements regarding the storage of this product. However, precautions should be taken against the accumulation of electrostatic charge, which may create a hazardous condition when handling this product.

Emergency procedures

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

Regulatory Obligations

Secondary Notification

This risk assessment is based on the information available at the time of notification. The Director may call for the reassessment of the chemical under secondary notification provisions based on changes in certain circumstances. Under Section 64 of the *Industrial Chemicals (Notification and Assessment) Act (1989)* the notifier, as well as any other importer or manufacturer of the notified chemical, have post-assessment regulatory obligations to notify NICNAS when any of these circumstances change. These obligations apply even when the notified chemical is listed on the Australian Inventory of Chemical Substances (AICS).

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

- (1) Under Section 64(1) of the Act; if
 - toxicology data has become available on Chemical B in CP4579.
- (2) Under Section 64(2) of the Act; if
 - the function or use of the chemical has changed from lubricating oil additive for use in automatic transmission system, or is likely to change significantly;
 - the amount of chemical being introduced has increased from 10 tonnes, or is likely to increase, significantly;

- the chemical has begun to be manufactured in Australia;
- additional information has become available to the person as to an adverse effect of the chemical on occupational health and safety, public health, or the environment.

The Director will then decide whether a reassessment (i.e. a secondary notification and assessment) is required.

No additional secondary notification conditions are stipulated.

Material Safety Data Sheet

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

8 PUBLICATION SUMMARY REPORT

Castor Isostearate Succinate Summary Report Reference No: PLC/804

Cee Chem Australia Pty Ltd (ABN 61 081 398 192) of 227A Belmore Road, Riverwood, NSW 2210 has submitted a polymer of low concern (PLC) notification statement in support of their application for an assessment certificate for Castor Isostearate Succinate. The notified polymer is intended to be used as a component in personal care products at concentrations up to 50%. Up to 5 tonnes of the notified polymer will be imported per annum for each of the first five years.

Hazard Characterisation

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

Human Health Risk Assessment

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

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

Environmental Risk Assessment

Based on its low water solubility and the reported use pattern, the notified polymer is not considered to pose a risk to the environment.

Recommendations

Control Measures

Occupational Health and Safety

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

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

- A copy of the MSDS should be easily accessible to employees.
- If products and mixtures containing the notified polymer are classified as hazardous to health in accordance with the *Approved Criteria for Classifying Hazardous Substances* [NOHSC:1008(2004)], workplace practices and control procedures consistent with provisions of State and Territory hazardous substances legislation must be in operation.

Disposal

- The notified polymer should be disposed of by landfill.

Emergency procedures

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

Regulatory Obligations

Secondary Notification

This risk assessment is based on the information available at the time of notification. The Director may call for the reassessment of the polymer under secondary notification provisions based on changes in certain circumstances. Under Section 64 of the *Industrial Chemicals (Notification and Assessment) Act (1989)* the notifier, as well as any other importer or manufacturer of the notified polymer, have post-assessment regulatory obligations to notify NICNAS when any of these circumstances change. These obligations apply even when the notified polymer is listed on the Australian Inventory of Chemical Substances (AICS).

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

- (1) Under Section 64(1) of the Act; if
 - the notified polymer is introduced in a chemical form that does not meet the PLC criteria.or
- (2) Under Section 64(2) of the Act; if
 - the function or use of the notified polymer has changed from as a component in personal care products, or is likely to change significantly;
 - the amount of notified polymer being introduced has increased, or is likely to increase, significantly;
 - the notified polymer has begun to be manufactured in Australia;
 - additional information has become available to the person as to an adverse effect of the chemical on occupational health and safety, public health, or the environment.

The Director will then decide whether a reassessment (i.e. a secondary notification and assessment) is required.

Material Safety Data Sheet

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

9 PUBLICATION SUMMARY REPORT

Ecomaty WO Summary Report Reference No: PLC/807

Chemetall (Australasia) Pty Ltd (ABN 25 074 869 015) of 17 Turbo Drive Bayswater VIC 3153 has submitted a polymer of low concern (PLC) notification statement in support of their application for an assessment certificate for Ecomaty WO. The notified polymer is intended to be used as a component of metal coatings at concentrations up to 10% for coolers, air conditioners and heat inverters. Up to 2 tonnes of the notified polymer will be imported per annum for each of the first five years.

Hazard Classification

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

Human Health Risk Assessment

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

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

Environmental Risk Assessment

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

Recommendations

Control Measures

Occupational Health and Safety

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

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

- Atmospheric monitoring should be conducted to workplace concentrations of nuisance dust levels are below the ASCC exposure standard during use of the notified polymer.
- A copy of the MSDS should be easily accessible to employees.
- If products and mixtures containing the notified polymer are classified as hazardous to health in accordance with the *Approved Criteria for Classifying Hazardous*

Substances [NOHSC:1008(2004)], workplace practices and control procedures consistent with provisions of State and Territory hazardous substances legislation must be in operation.

Disposal

- The notified polymer should be disposed of by landfill.

Emergency procedures

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

Regulatory Obligations

Secondary Notification

This risk assessment is based on the information available at the time of notification. The Director may call for the reassessment of the polymer under secondary notification provisions based on changes in certain circumstances. Under Section 64 of the *Industrial Chemicals (Notification and Assessment) Act (1989)* the notifier, as well as any other importer or manufacturer of the notified polymer, have post-assessment regulatory obligations to notify NICNAS when any of these circumstances change. These obligations apply even when the notified polymer is listed on the Australian Inventory of Chemical Substances (AICS).

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

- (1) Under Section 64(1) of the Act; if
 - the notified polymer is introduced in a chemical form that does not meet the PLC criteria.or
- (2) Under Section 64(2) of the Act; if
 - the function or use of the notified polymer has changed from a component in metal coatings, or is likely to change significantly;
 - the amount of notified polymer being introduced has increased, or is likely to increase, significantly;
 - the notified polymer has begun to be manufactured in Australia;
 - additional information has become available to the person as to an adverse effect of the chemical on occupational health and safety, public health, or the environment.

The Director will then decide whether a reassessment (i.e. a secondary notification and assessment) is required.

Material Safety Data Sheet

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

10 PUBLICATION SUMMARY REPORT

Polymer in KZX-123 Summary Report Reference No: PLC/810

PPG Industries Australia Pty Ltd (ABN 82 055 500 939) of McNaughton Rd, Clayton VIC 3168 has submitted a polymer of low concern (PLC) notification statement in support of their application for an assessment certificate for Polymer in KZX-123. The notified polymer is intended to be used as a component of automotive spray paint for use in original equipment manufacture. Up to 25 tonnes of the notified polymer will be imported per annum for each of the first five years.

Hazard Classification

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

Human Health Risk Assessment

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

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

Environmental Risk Assessment

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

Recommendations

Control Measures

Occupational Health and Safety

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

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

- A copy of the MSDS should be easily accessible to employees.
- If products and mixtures containing the notified polymer are classified as hazardous to health in accordance with the *Approved Criteria for Classifying Hazardous Substances* [NOHSC:1008(2004)], workplace practices and control procedures consistent with provisions of State and Territory hazardous substances legislation must be in operation.

Disposal

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

Emergency procedures

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

Regulatory Obligations

Secondary Notification

This risk assessment is based on the information available at the time of notification. The Director may call for the reassessment of the polymer under secondary notification provisions based on changes in certain circumstances. Under Section 64 of the *Industrial Chemicals (Notification and Assessment) Act (1989)* the notifier, as well as any other importer or manufacturer of the notified polymer, have post-assessment regulatory obligations to notify NICNAS when any of these circumstances change. These obligations apply even when the notified polymer is listed on the Australian Inventory of Chemical Substances (AICS).

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

- (1) Under Section 64(1) of the Act; if
 - the notified polymer is introduced in a chemical form that does not meet the PLC criteria;
 - the Functional Group Equivalent Weight of anhydride in the notified polymer is less than 5000.

or

- (2) Under Section 64(2) of the Act; if
 - the function or use of the notified polymer has changed from a component of automotive spray paint, or is likely to change significantly;
 - the amount of notified polymer being introduced has increased, or is likely to increase, significantly;
 - the notified polymer has begun to be manufactured in Australia;
 - additional information has become available to the person as to an adverse effect of the chemical on occupational health and safety, public health, or the environment.

The Director will then decide whether a reassessment (i.e. a secondary notification and assessment) is required.

Material Safety Data Sheet

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

11 PUBLICATION SUMMARY REPORT

Polymer in Rosin Ester Emulsion Summary Report Reference No: PLC/815

Cintox Australia Pty Ltd (ABN 63 122 874 613) of Suite 1, Level 2, 38-40 George Street, Parramatta NSW 2150 has submitted a polymer of low concern (PLC) notification statement in support of their application for an assessment certificate for Polymer in Rosin Ester Emulsion. The notified polymer is intended to be used as a component of tyre repair kits. Up to 10 tonnes of the notified polymer will be imported per annum for each of the first five years.

Hazard Characterisation

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

Human Health Risk Assessment

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

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

Environmental Risk Assessment

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

Recommendations

Control Measures

Occupational Health and Safety

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

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

- A copy of the MSDS should be easily accessible to employees.
- If products and mixtures containing the notified polymer are classified as hazardous to health in accordance with the *Approved Criteria for Classifying Hazardous Substances* [NOHSC:1008(2004)], workplace practices and control procedures consistent with provisions of State and Territory hazardous substances legislation must be in operation.

Disposal

- The notified polymer should be disposed of to landfill.

Emergency procedures

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

Regulatory Obligations

Secondary Notification

This risk assessment is based on the information available at the time of notification. The Director may call for the reassessment of the polymer under secondary notification provisions based on changes in certain circumstances. Under Section 64 of the *Industrial Chemicals (Notification and Assessment) Act (1989)* the notifier, as well as any other importer or manufacturer of the notified polymer, have post-assessment regulatory obligations to notify NICNAS when any of these circumstances change. These obligations apply even when the notified polymer is listed on the Australian Inventory of Chemical Substances (AICS).

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

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

or

- (2) Under Section 64(2) of the Act; if
 - the function or use of the notified polymer has changed from a component of tyre repair kits, or is likely to change significantly;
 - the amount of notified polymer being introduced has increased, or is likely to increase, significantly;
 - the notified polymer has begun to be manufactured in Australia;
 - additional information has become available to the person as to an adverse effect of the chemical on occupational health and safety, public health, or the environment.

The Director will then decide whether a reassessment (i.e. a secondary notification and assessment) is required.

Material Safety Data Sheet

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

12 PUBLICATION SUMMARY REPORT

Polymer in Powder 661 Summary Report Reference No: PLC/816

PPG Industries Australia Pty Ltd (ABN 82 055 500 939) of McNaughton Rd, Clayton VIC 3168 has submitted a polymer of low concern (PLC) notification statement in support of their application for an assessment certificate for Polymer in Powder 661. The notified polymer is intended to be used as a component of automotive spray paint for use in original equipment manufacture. Up to 3 tonnes of the notified polymer will be imported per annum for each of the first five years.

Hazard Classification

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

The notified polymer is introduced in the powdered form, with the particle size ranging from 5 µm to 50 µm. However, given the NAMW is < 10,000 Da, lung overloading is not expected. However, there may be potential for irritation of the respiratory tract given a small amount of pendent acrylate groups may be present.

The polymer is a combustible powder and if dispersed in air may form an explosive mixture when ignited.

Human Health Risk Assessment

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

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

Environmental Risk Assessment

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

Recommendations

Control Measures

Occupational Health and Safety

- Employers should implement the following engineering controls to minimise occupational exposure to the notified polymer at the reformulation sites during transfer of the notified polymer as introduced.
 - Local exhaust ventilation

- Employers should ensure that the following personal protective equipment is used by workers to minimise occupational exposure to the notified polymer at the reformulation sites during transfer of the notified polymer as introduced.
 - Dust mask or respirators capable of removing all product particles

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

- At the reformulation sites, atmospheric monitoring should be conducted to measure workplace concentrations of airborne particulates during handling of the notified polymer. Airborne concentrations of the notified polymer should not exceed the exposure standard of 10 mg/m³ TWA for airborne particulates not otherwise classified [NOHSC:1003(1995)].
- A copy of the MSDS should be easily accessible to employees.
- If products and mixtures containing the notified polymer are classified as hazardous to health in accordance with the *Approved Criteria for Classifying Hazardous Substances* [NOHSC:1008(2004)], workplace practices and control procedures consistent with provisions of State and Territory hazardous substances legislation must be in operation.

Disposal

- The notified polymer should be disposed of by landfill.

Emergency procedures

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

Regulatory Obligations

Secondary Notification

This risk assessment is based on the information available at the time of notification. The Director may call for the reassessment of the polymer under secondary notification provisions based on changes in certain circumstances. Under Section 64 of the *Industrial Chemicals (Notification and Assessment) Act (1989)* the notifier, as well as any other importer or manufacturer of the notified polymer, have post-assessment regulatory obligations to notify NICNAS when any of these circumstances change. These obligations apply even when the notified polymer is listed on the Australian Inventory of Chemical Substances (AICS).

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

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

- the Functional Group Equivalent Weight of pendent acrylates in the notified polymer is less than 5000.

or

- (2) Under Section 64(2) of the Act; if
- the function or use of the notified polymer has changed from a component of automotive spray paint, or is likely to change significantly;
 - the amount of notified polymer being introduced has increased, or is likely to increase, significantly;
 - the notified polymer has begun to be manufactured in Australia;
 - additional information has become available to the person as to an adverse effect of the chemical on occupational health and safety, public health, or the environment.

The Director will then decide whether a reassessment (i.e. a secondary notification and assessment) is required.

Material Safety Data Sheet

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

13 PUBLICATION SUMMARY REPORT

Polymer in Solsperse 64000 Summary Report Reference No: PLC/819

Orica Australia Pty Ltd (ABN 99 004 117 828) of 1 Nicholson Street, Melbourne VIC 3000 has submitted a polymer of low concern (PLC) notification statement in support of their application for an assessment certificate for Polymer in Solsperse 64000. The notified polymer is intended to be used as an ingredient in universal tinters for industrial decorative paints. Up to 30 tonnes of the notified polymer will be imported per annum for each of the first five years.

Hazard Classification

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

Human Health Risk Assessment

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

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

Environmental Risk Assessment

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

Recommendations

Control Measures

Occupational Health and Safety

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

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

- A copy of the MSDS should be easily accessible to employees.
- If products and mixtures containing the notified polymer are classified as hazardous to health in accordance with the *Approved Criteria for Classifying Hazardous Substances* [NOHSC:1008(2004)], workplace practices and control procedures consistent with provisions of State and Territory hazardous substances legislation must be in operation.

Disposal

- The notified polymer should be disposed of to landfill.

Emergency procedures

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

Regulatory Obligations

Secondary Notification

This risk assessment is based on the information available at the time of notification. The Director may call for the reassessment of the polymer under secondary notification provisions based on changes in certain circumstances. Under Section 64 of the *Industrial Chemicals (Notification and Assessment) Act (1989)* the notifier, as well as any other importer or manufacturer of the notified polymer, have post-assessment regulatory obligations to notify NICNAS when any of these circumstances change. These obligations apply even when the notified polymer is listed on the Australian Inventory of Chemical Substances (AICS).

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

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

or

- (2) Under Section 64(2) of the Act; if
 - the function or use of the notified polymer has changed from an ingredient in paints, or is likely to change significantly;
 - the amount of notified polymer being introduced has increased, or is likely to increase, significantly;
 - the notified polymer has begun to be manufactured in Australia;
 - additional information has become available to the person as to an adverse effect of the chemical on occupational health and safety, public health, or the environment.

The Director will then decide whether a reassessment (i.e. a secondary notification and assessment) is required.

Material Safety Data Sheet

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

14 PUBLICATION SUMMARY REPORT

Polymer Component 1 in Dodiflow 5735 Summary Report Reference No: EX/122

BP Australia Pty Ltd (ABN 53 004 085 616) of 360 Elizabeth Street, Melbourne VIC 3000 and Clariant (Australia) Pty Ltd (ABN 30 069 435 552) of 675 Warrigal Road, Chadstone VIC 3148 have submitted a polymer of low concern (PLC) notification statement in support of their application for an assessment certificate for Polymer component 1 in Dodiflow 5735. The notified polymer is intended to be used as a paraffin dispersing agent for diesel fuels. 5 tonnes of the notified polymer will be imported per annum for each of the first 5 years.

Since the assessment certificate has been granted for the above notified polymer, Shell Company of Australia Ltd (ABN 46 004 610 459) of 8 Redfern Road, Hawthorn East VIC 3123 has submitted an application for extension of the original assessment certificate (No. 2804, 2805, PLC/780) together with a written agreement of the current holders of the original certificate, BP Australia Pty Ltd and Clariant (Australia) Pty Ltd. The notified polymer will be imported as a component in diesel fuel. Up to 120 tonnes of the notified polymer will be imported per annum for each of the first 5 years.

Hazard Assessment

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

Human Health Risk Assessment

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

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

Environmental Risk Assessment

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

Risk assessment (extension application)

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

Recommendations

Control Measures

Occupational Health and Safety

- No specific engineering controls, work practices or personal protective equipment are required for the safe use of the notified polymer itself, however, these should be selected on the basis of all ingredients in the formulation. Guidance in selection of personal protective equipment can be obtained from Australian, Australian/New Zealand or other approved standards.
- A copy of the MSDS should be easily accessible to employees.
- If products and mixtures containing the notified polymer are classified as hazardous to health in accordance with the *Approved Criteria for Classifying Hazardous Substances* [NOHSC:1008(2004)], workplace practices and control procedures consistent with provisions of State and Territory hazardous substances legislation must be in operation.

Disposal

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

Emergency procedures

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

Regulatory Obligations

Secondary Notification

This risk assessment is based on the information available at the time of notification. The Director may call for the reassessment of the polymer under secondary notification provisions based on changes in certain circumstances. Under Section 64 of the *Industrial Chemicals (Notification and Assessment) Act (1989)* the notifier, as well as any other importer or manufacturer of the notified polymer, have post-assessment regulatory obligations to notify NICNAS when any of these circumstances change. These obligations apply even when the notified polymer is listed on the Australian Inventory of Chemical Substances (AICS).

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

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

or

- (2) Under Section 64(2) of the Act; if

- the function or use of the notified polymer has changed from a paraffin dispersing agent for diesel fuel, or is likely to change significantly;
- the amount of notified polymer being introduced has increased, or is likely to increase, significantly;
- the notified polymer has begun to be manufactured in Australia;
- additional information has become available to the person as to an adverse effect of the chemical on occupational health and safety, public health, or the environment.

The Director will then decide whether a reassessment (i.e. a secondary notification and assessment) is required.

Material Safety Data Sheet

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

15 PUBLICATION SUMMARY REPORT

Polymer Component 2 in Dodiflow 5735 Summary Report Reference No: EX/123

BP Australia Pty Ltd (ABN 53 004 085 616) of 360 Elizabeth Street, Melbourne VIC 3000 and Clariant (Australia) Pty Ltd (ABN 30 069 435 552) of 675 Warrigal Road, Chadstone VIC 3148 have submitted a limited notification statement in support of their application for an assessment certificate for Polymer component 2 in Dodiflow 5735. The notified polymer is intended to be used as a cold flow improver for the petroleum industry. 12 tonnes of the notified polymer will be imported per annum for each of the first 5 years.

Since the assessment certificate has been granted for the above notified polymer, Shell Company of Australia Ltd (ABN 46 004 610 459) of 8 Redfern Road, Hawthorn East VIC 3123 has submitted an application for extension of the original assessment certificate (No. 2806, 2807, LTD/1374) together with a written agreement of the current holders of the original certificate, BP Australia Pty Ltd and Clariant (Australia) Pty Ltd. The notified polymer will be imported as a component in diesel fuel. Up to 120 tonnes of the notified polymer will be imported per annum for each of the first 5 years.

Hazard Classification

Based on the available data the notified polymer is not classified as hazardous under the *Approved Criteria for Classifying Hazardous Substances* [NOHSC:1008(2004)]. However, products containing the notified polymer may be classified as a skin irritant due to high percentage of residual monomers (classified as skin irritants) associated with the notified polymer.

Human Health Risk Assessment

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

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

Environmental Risk Assessment

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

Risk assessment (extension application)

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

Recommendations

Control Measures

Occupational Health and Safety

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

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

- A copy of the MSDS should be easily accessible to employees.
- If products and mixtures containing the notified chemical are classified as hazardous to health in accordance with the *Approved Criteria for Classifying Hazardous Substances* [NOHSC:1008(2004)] workplace practices and control procedures consistent with provisions of State and Territory hazardous substances legislation must be in operation.

Disposal

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

Emergency procedures

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

Regulatory Obligations

Secondary Notification

This risk assessment is based on the information available at the time of notification. The Director may call for the reassessment of the chemical under secondary notification provisions based on changes in certain circumstances. Under Section 64 of the *Industrial Chemicals (Notification and Assessment) Act (1989)* the notifier, as well as any other importer or manufacturer of the notified chemical, have post-assessment regulatory obligations to notify NICNAS when any of these circumstances change. These obligations apply even when the notified chemical is listed on the Australian Inventory of Chemical Substances (AICS).

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

- (1) Under Section 64(1) of the Act; if
 - the polymer has a number-average molecular weight of less than 1000; or
 - the polymer is introduced in any other form other than a component of diesel fuel.

or

- (2) Under Section 64(2) of the Act; if
- the function or use of the chemical has changed from a cold flow improver for the petroleum industry, or is likely to change significantly;
 - the amount of chemical being introduced has increased from 120 tonnes per annum, or is likely to increase, significantly;
 - the chemical has begun to be manufactured in Australia;
 - additional information has become available to the person as to an adverse effect of the chemical on occupational health and safety, public health, or the environment.

The Director will then decide whether a reassessment (i.e. a secondary notification and assessment) is required.

Material Safety Data Sheet

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

16 ACCESS TO FULL PUBLIC REPORT

NICNAS publishes a Full Public Report for each new chemical assessed. These reports are available for inspection at our NICNAS office by appointment only at 334-336 Illawarra Road, Marrickville NSW 2204.

Reports can also be viewed and downloaded free of charge from our website at <http://www.nicnas.gov.au/>. Copies of these reports may also be requested, free of charge, by contacting the Administration Section of NICNAS by phone: (02) 8577 8870 or fax: (02) 8577 8888.

17 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
739	ARKEMA PTY LTD	3126	ADK STAB PEP-36	ND	800 kg	Antioxidant in plastics for cable manufacture	1 yrs

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

18 EARLY INTRODUCTION PERMITS FOR NON-HAZARDOUS INDUSTRIAL CHEMICALS

The permits listed in Table 2 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 2

Early Introduction Permits

PERMIT NUMBER	COMPANY NAME	CHEMICAL OR TRADE NAME	USE
597	The Valspar (Australia) Corporation Pty Ltd	Polymer in R9915 Polyester Resin	Coating formulation
598	Akzo Nobel Car Refinishes Australia Pty Ltd	Polymer in 2K HS Premium Clear 420	Component of automotive paint at concentrations of <50%

19 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 3
Low Volume Category Permits

PERMIT NUMBER	COMPANY NAME	COMPANY POSTCODE	CHEMICAL OR TRADE NAME	HAZARDOUS SUBSTANCE	USE
827 Renewal	Takasago International Corporation (Aust Sales Office)	2067	Longozal	ND	Fragrance ingredient
828 Renewal	Ensign Laboratories Pty Ltd	3000	Poly(oxy-1,2-ethanediyl), alpha, alpha', alpha"-1,2,3-propanetriyltris[omega-hydroxy-, 2-hydroxypropanoate	ND	Ingredient in cosmetics
829	Huntsman Advanced Materials (Australia) Pty Ltd	3023	Component of LME 10188	ND	Curing agent for epoxy resins
830 Renewal	Huntsman Advanced Materials (Australia) Pty Ltd	3023	Component of Uralane 5774 A and 5779 A	Yes	Isocyanate component of polyurethane adhesive
831 Renewal	Huntsman Advanced Materials (Australia) Pty Ltd	3023	Adduct RGW	Yes	Component of adhesive

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

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

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

Table 4

Chemicals Eligible for Listing on the Australian Inventory of Chemical Substances

CHEMICAL NAME	MOLECULAR FORMULA	CAS NUMBER
2-Propenoic acid, polymer with N-(butoxymethyl)-2-propenamide, butyl 2-propenoate, ethenylbenzene and 2-methyl-2-propenamide	$(C_8H_{15}NO_2.C_8H_8.C_7H_{12}O_2.C_4H_7NO.C_3H_4O_2)_x$	62814-58-8
Fatty acids, C18-unsatd., dimers, polymers with 2-ethylhexanoic acid, hexahydro-1,3-isobenzofurandione, 3-hydroxy-2-(hydroxymethyl)-2-methylpropanoic acid, isophthalic acid, neopentyl glycol, rosin and trimethylolpropane, compds. with 2-(dimethylamino)ethanol	Unspecified	180685-84-1
Fatty acids, C18-unsatd., dimers, polymers with 2-ethylhexanoic acid, hexahydro-1,3-isobenzofurandione, 3-hydroxy-2-(hydroxymethyl)-2-methylpropanoic acid, isophthalic acid, neopentyl glycol, rosin and trimethylolpropane	Unspecified	184246-77-3
Decanoic acid, mixed esters with dipentaerythritol, heptanoic acid, isononanoic acid, and octanoic acid	$C_{10}H_{22}O_7.C_{10}H_{20}O_2.C_9H_{18}O_2.C_8H_{16}O_2.C_7H_{14}O_2$	118685-22-6
1,3-Benzenedicarboxylic acid, polymer with 1,3-diisocyanatomethylbenzene, 2-ethyl-2-(hydroxymethyl)-1,3-propanediol, hexanedioic acid and alpha,alpha'-[(1-methylethylidene)di-4,1-phenylene]bis[w-hydroxypoly[oxy(methyl-1,2-ethanediyl)]]	$(C_9H_6N_2O_2.C_8H_6O_4.C_6H_{14}O_3.C_6H_{10}O_4.(C_3H_6O)_n(C_3H_6O)_nC_{15}H_{16}O_2)_x.xC_7H_6O_2$	174175-24-7
2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, polymer with butyl 2-propenoate, ethenylbenzene, (1-methylethenyl)benzene and methyl 2-methyl-2-propenoate	$(C_9H_{10}.C_8H_8.C_7H_{12}O_2.C_6H_{10}O_3.C_5H_8O_2)_x$	98654-22-9
2-Propenoic acid, 2-methyl-, polymer with N-(butoxymethyl)-2-propenamide, ethyl 2-propenoate, methyl 2-methyl-2-propenoate and 2-methyl-2-propenenitrile	$(C_8H_{15}NO_2.C_5H_8O_2.C_5H_8O_2.C_4H_6O_2.C_4H_5N)_x$	65623-01-0
Phosphoric acid, silver(1+) sodium zirconium(4+) salt	$Ag.xH_3O_4P.xNa.xZr$	265647-11-8

Bicyclo[2.2.1]heptane-2,3-dicarboxylic acid, sodium salt (1:2), (1R,2R,3S,4S)-rel-	C ₉ H ₁₂ O ₄ .2Na	351870-33-2
Glycine, N-(1-oxooctyl)-	C ₁₀ H ₁₉ NO ₃	14246-53-8
1,4-Benzenedicarboxylic acid, dimethyl ester, polymer with 1,2-propanediol, diester with alpha-methyl-omega-hydroxypoly(oxy-1,2-ethanediyl)	(C ₁₀ H ₁₀ O ₄ .C ₃ H ₈ O ₂) _x . 2(C ₂ H ₄ O) _n CH ₄ O	139755-78-5
Phenol, 2-[4,6-bis(2,4-dimethylphenyl)-1,3,5-triazin-2-yl]-5-(isooctyloxy)-	C ₃₃ H ₃₉ N ₃ O ₂	137759-38-7
1-Propene, 2-methyl-, homopolymer, sulfonated, calcium salts, overbased	Unspecified	262445-94-3
Terpenes and Terpenoids, turpentine-oil, limonene fraction, polymers with 1-methyl-4-(1-methylethenyl)cyclohexene and styrene	Unspecified	1121766-33-3
Neodecanoic acid, 2-oxiranylmethyl ester, polymer with ethenylbenzene, 2-hydroxyethyl 2-methyl-2-propenoate, 2-propenoic acid and rel-(1R,2R,4R)-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl 2-methyl-2-propenoate, tert-Bu peroxide-initiated	Unspecified	1121767-04-1
Hexanedioic acid, polymer with 1,4-butanediol, butyl 2-propenoate, 2-[(1,1-dimethylethyl)amino]ethyl 2-methyl-2-propenoate, 2,2-dimethyl-1,3-propanediol, 1,2-ethanediamine, 2-ethyl-2-(hydroxymethyl)-1,3-propanediol, 1,1'-[2-ethyl-2-[[1-(1-oxo-2-propen-1-yl)oxy]methyl]-1,3-propanediyl] di-2-propenoate, 3-hydroxy-2-(hydroxymethyl)-2-methylpropanoic acid, 5-isocyanato-1-(isocyanatomethyl)-1,3,3-trimethylcyclohexane, 1,1'-methylenebis[4-isocyanatobenzene] and methyl 2-methyl-2-propenoate, compd. with N,N-diethylethanamine	(C ₁₅ H ₂₀ O ₆ .C ₁₅ H ₁₀ N ₂ O ₂ .C ₁₂ H ₁₈ N ₂ O ₂ .C ₁₀ H ₁₉ NO ₂ .C ₇ H ₁₂ O ₂ .C ₆ H ₁₄ O ₃ .C ₆ H ₁₀ O ₄ .C ₅ H ₁₂ O ₂ .C ₅ H ₁₀ O ₄ .C ₅ H ₈ O ₂ .C ₄ H ₁₀ O ₂ .C ₂ H ₈ N ₂) _x .xC ₆ H ₁₅ N	1095363-75-9
2-Propenoic acid, 2-methyl-, 3-chloro-2-hydroxypropyl ester, polymer with 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafuorododecyl 2-propenoate, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl 2-propenoate, N-(hydroxymethyl)-2-propenamide, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,16-nonacosafuorohexadecyl 2-propenoate, octadecyl 2-propenoate, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,14-pentacosafuorotetradecyl 2-propenoate and 3,3,4,4,5,5,6,6,7,7,8,8,8-	(C ₂₁ H ₄₀ O ₂ .C ₁₉ H ₇ F ₂₉ O ₂ .C ₁₇ H ₇ F ₂₅ O ₂ .C ₁₅ H ₇ F ₂₁ O ₂ .C ₁₃ H ₇ F ₁₇ O ₂ .C ₁₁ H ₇ F ₁₃ O ₂ .C ₇ H ₁₁ ClO ₃ .C ₄ H ₇ N O ₂) _x	1094598-90-9

tridecafluorooctyl 2-propenoate		
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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 5

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

CHEMICAL NAME	MOLECULAR FORMULA	CAS NUMBER
1,4-benzenedicarboxylic acid, 1,4-dimethyl ester, polymer with 1,4-cyclohexanedimethanol and 2,2,4,4-tetramethyl-1,3-cyclobutanediol	(C ₁₀ H ₁₀ O ₄ .C ₈ H ₁₆ O ₂ .C ₈ H ₁₆ O ₂) _x	261716-94-3
Acetic acid ethenyl ester, polymer with ethenol and alpha-2-propenyl-omega-hydroxypoly(oxy-1,2-ethanediyl)	(C ₄ H ₆ O ₂ .(C ₂ H ₄ O) _n .C ₃ H ₆ O.C ₂ H ₄ O) _x	137091-12-4
2-Hydroxy-4,4'-dichlorodiphenyl ether	C ₁₂ H ₈ Cl ₂ O ₂	3380-30-1
1-Dodecanaminium, N,N-dimethyl-N-[3-[(2-methyl-1-oxo-2-propenyl)amino]propyl]-, chloride, polymer with N-[3-(dimethylamino)propyl]-2-methyl-2-propenamide, 1-ethenylhexahydro-2H-azepin-2-one and 1-ethenyl-2-pyrrolidinone	(C ₂₁ H ₄₃ N ₂ O.C ₉ H ₁₈ N ₂ O.C ₈ H ₁₃ NO.C ₆ H ₉ NO.Cl) _x	748809-45-2
Rosin, polymd., polymer with glycerol and pentaerythritol	(C ₅ H ₁₂ O ₄ .C ₃ H ₈ O ₃ .Unspecified) _x	68512-68-5