



Australian Government

Gazette

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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 DRAFT PRIORITY EXISTING CHEMICAL REPORT FOR DIETHYLHEXYL PHTHALATE

In accordance with section 60E(1) of the *Industrial Chemicals (Notification and Assessment) Act 1989* (the Act), as amended, notice is hereby given by the Director that the draft Priority Existing Chemical (PEC) assessment report for Diethylhexyl Phthalate (DEHP) is now available for public comment.

Under Section 60D of the Act, the draft PEC report was given to applicants for 28 days to enable corrections of any errors. No requests for corrections were received.

The report focuses on assessment of risks for the public associated with potential exposure to DEHP through the use of children's toys, child care articles and cosmetics. Recommendations on reducing the risks identified for children and the general public are made.

The draft report (hard or read-only electronic copy) can be obtained by contacting Dr Julija Filipovska by phone (02) 8577 8895 or fax (02) 8577 8888 or email to julija.filipovska@nicnas.gov.au. Requests should clearly state which form (hard or electronic copy) is required. The draft report is also available on the NICNAS website at http://www.nicnas.gov.au/Industry/Existing_Chemicals/PEC_Declarations/Draft_DEHP_Public_comment_PDF.pdf.

Under Section 60E(2) of the Act, any requests to vary the draft report should be received in writing by NICNAS by close of business (5:30 pm) on **2 March 2010**. This is a statutory deadline, which cannot be extended.

Submission format for variation requests

Any requests to vary the draft report must be made with respect to the draft report and accompanied by a completed application form (NICNAS Form 4a) which is available on the NICNAS website at http://www.nicnas.gov.au/Forms/Existing_Chemicals/Form4a_PDF.pdf.

Applications should clearly outline any amendment or change(s) requested. All applications for variation must identify the exact words, sentence or paragraph in the report to be varied and then state replacement words, sentences or paragraphs. The rationale behind any request for variation must be clearly explained, with references where relevant.

Requests for variation should be sent to: NICNAS, PO Box 58, Sydney NSW 2001.

Briefings

Briefings on the findings and recommendations of the report will be held in Sydney, Melbourne and other major cities, between 16 and 19 February, depending on the level of interest. Please indicate your interest in attending the briefing and preference of city in the attached [sheet](#) by **4th of February 2010** and e-mail or fax to NICNAS.

2 CALL FOR INFORMATION ON CHEMICALS IN COSMETIC PRODUCTS PREVIOUSLY REGULATED AS THERAPEUTICS

This notice is directed to those persons or companies with an interest in products affected by the cosmetic reforms, i.e. those involved with chemicals in products previously regulated by TGA, that are now regulated by NICNAS as cosmetics.

This notice applies ONLY:

- *to certain products that were previously regulated under TGA and, as a result of the introduction of the reforms to the cosmetic-therapeutic interface in September 2007, are now regulated under NICNAS, and*
- *the product contains an ingredient(s) not listed on the Australian Inventory of Chemical Substances (AICS).*

This notice does not apply to:

- *Other products regulated under TGA ie categories that were not affected by the cosmetic reforms, and remain therapeutic.*
- *Chemical ingredients already listed on the Australian Inventory of Chemical Substances (AICS).*

Purpose

NICNAS is seeking your assistance to provide information on cosmetic ingredients that were in commerce in certain products previously regulated by the Therapeutic Goods Administration (TGA), in order to identify those chemicals that meet the criteria for recognition as an industrial chemical. The process for recognition as an industrial chemical involves three stages:

- The first stage is to identify chemicals eligible for listing on the Australian Inventory of Chemical Substances (AICS).
- The second stage is to verify eligibility for listing on the inventory. A list of eligible chemicals will be published.
- The third and final stage is to recognise the chemicals under the industrial chemicals scheme.

This call for information is Stage 1.

Background

Reforms to the cosmetic-therapeutic interface took effect on 17 September 2007 with the introduction of the *Cosmetic Standard 2007* under the *Industrial Chemicals (Notification and Assessment Act 1989* (the Act). That is, chemicals in some products that were previously regulated by TGA are now considered industrial (cosmetic) chemicals and are regulated by NICNAS. This includes chemicals in some:

- secondary sunscreens of SPF up to 15
- anti-bacterial skin products
- anti-acne products
- anti-dandruff products
- antiperspirants.

The reforms are now in operation.

One consequence of the reforms is that obligations under the Act now apply to products which have moved from being therapeutics to cosmetics. In particular, these products may contain ingredients that are not listed on the AICS and are therefore new industrial chemicals. Such new chemicals generally require assessment before being imported or manufactured.

However, as a part of the cosmetics reform package, it was agreed that any change in regulatory requirements would not pose an unnecessary burden on industry, while maintaining or enhancing health and safety standards. Therefore it was agreed that chemicals in those products that were regulated as therapeutics and were in commerce up to the time of the legislative amendments would be recognised as industrial chemicals, subject to meeting eligibility requirements.

Criteria for chemicals eligible for recognition as an industrial chemical

Each of the following criteria must be met to be eligible for listing on the AICS:

- The chemical was an ingredient in at least one of the products that were regulated under TGA (see Background section); and
- The product(s) meets the definition of a cosmetic under the Act and any requirements in the *Cosmetic Standard 2007*; and
- The product(s) was in commerce at some time during the three-year period preceding the cosmetic reforms, that is, **September 2004 to September 2007**; and
- The chemical is not currently listed on the AICS.

Guidance material including the definition of a cosmetic is at http://www.nicnas.gov.au/Current_Issues/Cosmetics/Cosmetic_Guidelines_PDF.pdf and requirements for certain categories of cosmetics are included in the *Cosmetic Standard 2007* at http://www.nicnas.gov.au/Current_Issues/Cosmetics/Cosmetic_Standard_PDF.pdf.

Indicative list of cosmetic ingredients

NICNAS has compiled an indicative list of chemicals that are potentially eligible for listing on AICS, divided into two sections:

List A – chemicals with known identity i.e. Chemical Abstracts Service (CAS) name and CAS number and the International Nomenclature Cosmetic Ingredient (INCI) name; and

List B – chemicals with incomplete identity information, e.g. INCI name only.

This initiative was undertaken to provide a starting point to help industry nominate chemicals. It is important to note that your assistance and cooperation is needed to complete and verify eligibility against the criteria for listing on AICS.

What is the process for nominating chemicals to NICNAS?

Persons and companies are invited to nominate chemicals(s) on List A or B (provided for information at the end of this notice and in a downloadable Form on the NICNAS website) and/or to nominate additional chemicals which may be eligible for listing on AICS.

Please do not nominate any chemicals that are already listed on the AICS. To search if a chemical is on the AICS, please go to <http://www.nicnas.gov.au/Industry/AICS/Search.asp>.

All nominations must be made in the Form (see link below), accompanied by the CAS name and CAS number of the chemical.

Synonyms may be provided if available, such as the INCI name. You must ensure that the INCI name corresponds accurately to the CAS name for that chemical. Some INCI names that are too broad (e.g. the ceramides) cannot be accepted, therefore, please provide more specific names for those chemicals.

What information do I submit to NICNAS?

List A

- Verification* of the chemical's use in a TGA-regulated product during the specified time period and that the product would now be regulated as a cosmetic.

List B

- Verification* of the chemical's use in a TGA-regulated product during the specified time period, and that the product would now be regulated as a cosmetic.
- Information on chemical identity (CAS name and CAS number).

Additional chemicals

- Full chemical identity information (CAS name and CAS number) and verification* of chemical's use, as for Lists A and B.

* Verification

At the time of nomination, the following information is requested (via the form): Name of product regulated under TGA, Product type and AUST-L or AUST-R number, if applicable. NICNAS may request further information for verification of certain chemicals.

How do I nominate the chemicals?

For ease of submission of information, a single form is provided on the NICNAS website and can be downloaded at:

http://www.nicnas.gov.au/Current_Issues/Cosmetics/Nomination_Form_For_AICS_Listing_Of_Cosmetic_Chemicals_WORD.doc. Forms are also available in hard copy on request.

Nominations will be accepted until **2 May 2010** (a period of three months).

Nominations can be provided to NICNAS on the downloadable form in any of the following ways:

- by email to cosmeticreforms@nicnas.gov.au
- by fax to 02 8577 8888
- by mail to NICNAS (Attn: Cosmetic Reforms)
- Reply Paid 58
- Sydney NSW 2001

Further information

If you require further information or have any queries about the nomination process, please contact cosmeticreforms@nicnas.gov.au or contact Youmie Chong on 02 8577 8813.

LIST A

INCI name	CAS Chemical Name	CAS number	Name of TGA-regulated product containing the chemical	Product category	Aust-R or Aust-L no. (if applicable)
Acetyl trifluoromethylphenyl valylglycine	Glycine, N-Acetyl-N-[3-(trifluoromethyl)phenyl]valyl-	379685-96-8			
Actinidia Chinensis Fruit/Fruit Ext./Fruit Juice/Fruit Water/Seed/Seed Ext.	Actinidia chinensis, ext.	92456-63-8			
Ajuga Turkestanica Extract	Ajuga turkestanica, ext.	329360-59-0			
Andrographolide	2(3H)-Furanone, 3-[2-[(1R,4aS,5R,6R,8aS)-decahydro-6-hydroxy-5-(hydroxymethyl)-5,8a-dimethyl-2-methylene-1-naphthalenyl]ethylidene]dihydro-4-hydroxy-, (3E,4S)-	5508-58-7			
Arnica Montana Flower Extract	Arnica montana, ext.	68990-11-4			
Boswellia serrata extract	Salai, ext.	97952-72-2			
Bupleurum Falcatum Root Extract	Bupleurum falcatum, ext.	89958-12-3			
Butyrospermum Parkii (Shea) Butter Unsaponifiables	Fats and Glyceridic oils, shea butter, unsaponifiable fraction	225234-14-0			
C13-14 isoparaffin	Alkanes, C13-14-iso-	246538-79-4			
Caprylic/Capric/Myristic/Stearic Triglyceride	Glycerides, mixed decanoyl, myristoyl, octanoyl and stearoyl	208126-53-8			
Carnosine	L-histidine, N-beta-alanyl-	305-84-0			
Cetyl dimethicone	Siloxanes and Silicones, cetyl Me, di-Me	191044-49-2			
Chamomilla Recrutita Extract	Matricaria recutita, ext.	84082-60-0			
Chlorella Vulgaris Extract	Chlorella vulgaris, ext.	223749-83-5			
Decarboxy Carnosine HCl	Propanamide, 3-amino-N-[2-(1H-imidazol-5-yl)ethyl]-, hydrochloride (1:2)	57022-38-5			
DI-C12-15 Alkyl Fumarate	2-Butenedioic acid (2E)-, di-C12-15-alkyl esters	142104-11-8			
Dihydroxypropyl PEG-5 linoleammonium chloride	Poly(oxy-1,2-ethanediyl), a,a'-[[[(9Z,12Z)-(2,3-dihydroxypropyl)-9,12-octadecadien-1-yliminio]di-2,1-ethanediyl]bis[w-hydroxy-, chloride (1:1)	168677-75-6			

INCI name	CAS Chemical Name	CAS number	Name of TGA-regulated product containing the chemical	Product category	Aust-R or Aust-L no. (if applicable)
Dipropylene Glycol Dibenzoate	1-Propanol, 3,3'-oxybis-, dibenzoate	94-51-9			
Disteardimonium hectorite	1-Octadecanaminium, N,N-dimethyl-N-octadecyl-, chloride, reaction products with hectorite	97280-96-1			
Divinyldimethicone/dimethicone copolymer	Siloxanes and Silicones, di-Me, hydrogen-terminated, polymers with vinyl group-terminated di-Me siloxanes	235432-88-9			
Glyceryl Linoleate	9,12-Octadecadienoic acid (9Z,12Z)-, 2,3-dihydroxypropyl ester	2277-28-3			
Helianthus Annuus (Sunflower) Extract/Flower Extract/Seed Extract	Sunflower oil	84776-03-4			
Hydroxyethyl urea	Urea, N-(hydroxyethyl)-	1320-51-0			
Hydroxypropyl Starch Phosphate	Starch, dihydrogen phosphate, 2-hydroxypropyl ether	39346-84-4			
Methyl gluceth-20	Poly(oxy-1,2-ethanediyl), .alpha.-hydro-.omega.-hydroxy-, ether with methyl .beta.-d-glucopyranoside (4:1)	68239-42-9			
Methylsilanol Mannuronate	Siloxanes and silicones, alpha-D-mannopyranuronoyloxy Me, hydroxy-terminated	128973-71-7			
Moringa pterygosperma seed extract/seed oil	Moringa oleifera, ext.	93165-54-9			
Neopentyl Glycol Diethylhexanoate	Hexanoic acid, 2-ethyl-, 1,1'-(2,2-dimethyl-1,3-propanediyl) ester	28510-23-8			
Olea Europaea fruit extract	Olive oil	84012-27-1			
Olea Europaea (olive) oil unsaponifiables	Olive oil, unsaponifiables	156798-12-8			
Phospholipids	Phospholipids	123465-35-0			
Phyllanthus Emblica extract & Emblic officinalis extract	Emblic, ext.	90028-28-7			
Phytosphingosine	1,3,4-Octadecanetriol, 2-amino-	554-62-1			
Polyglyceryl-2 Triisostearate	Isooctadecanoic acid, triester with oxybis[propanediol]	120486-24-0			
Polyquaternium-4	Cellulose, 2-hydroxyethyl ether, polymer with N,N-dimethyl-N-2-propenyl-2-propen-1-aminium chloride	92183-41-0			

INCI name	CAS Chemical Name	CAS number	Name of TGA-regulated product containing the chemical	Product category	Aust-R or Aust-L no. (if applicable)
Polyquaternium-51	3,5,8-Trioxa-4-phosphaundec-10-en-1-aminium, 4-hydroxy-N,N,N,10-tetramethyl-9-oxo-, inner salt, 4-oxide, polymer with butyl 2-methyl-2-propenoate	125275-25-4			
Portulaca Oleracea Extract	Portulaca oleracea, ext.	90083-07-1			
Potentilla erecta root extract	Potentilla recta, ext.	90083-09-3			
PPG-20 Methyl Glucose Ether	Poly[oxy(methyl-1,2-ethanediy)], .alpha.-hydro-.omega.-hydroxy-, ether with methyl .beta.-d-glucopyranoside (4:1)	61849-72-7			
Propylene Glycol Myristyl Ether Acetate	Propanol, (tetradecyloxy)-, acetate	135326-54-4			
Pueraria Lobata Root Extract	Kudzu, Pueraria lobata, ext.	223748-08-1			
Retinyl Linoleate	Retinol, 15-[(9Z,12Z)-9,12-octadecadienoate]	631-89-0			
Scutellaria Baicalensis Extract/Root Extract	Scutellaria baicalensis, ext.	94279-99-9			
Sodium Carboxymethyl Betaglucan	.beta.-D-Glucan, (1.fwdarw.3)-, carboxymethyl ether, sodium salt	9050-93-5			
Sodium Carboxymethyl Dextran	Dextran, carboxymethyl ether, sodium salt	39422-83-8			
Sodium Chondroitin Sulfate	Chondroitin, hydrogen sulfate, sodium salt	9082-07-9			
Steareth-2	Ethanol, 2-[2-(octadecyloxy)ethoxy]-	16057-43-5			
Superoxide Dismutase	Dismutase, superoxide	9054-89-1			
Tetrahexyldecyl ascorbate	L-Ascorbic acid, tetrakis(2-hexyldecanoate)	183476-82-6			
Tetrahydrodiferuloylmethane	3,5-Heptanedione, 1,7-bis(4-hydroxy-3-methoxyphenyl)-	36062-04-1			
Tridecyl salicylate	Benzoic acid, 2-droxy-, tridecyl ester	19666-16-1			
Tridecyl Trimellitate	1,2,4-Benzenetricarboxylic acid, tritridecyl ester	94109-09-8			
Trioctyldodecyl citrate	1,2,3-Propanetricarboxylic acid, 2-hydroxy-, 1,2,3-tris(2-octyldodecyl) ester	126121-35-5			

LIST B

INCI name	Chemical Name	CAS number	Name of TGA-regulated product containing the chemical	Product category	Aust-R or Aust-L no. (if applicable)
Aminopropyl Ascorbyl Phosphate	Ascorbic acid, 2-(3-aminopropyl)-dihydrogen phosphate ester				
Arginine ferulate	L-Arginine 3-(4-hydroxy-3-methoxybenzene)-2-propenoate				
Ascorbyl Tocopheryl Maleate	2-L-Ascorbyl 6-D-alpha-tocopheryl 2-butenedioate				
Aspalathus linearis Extract					
Butylene glycol dicaprylate/dicaprate					
Coco-glucoside	D-Glucopyranose, oligomeric, C8-16-alkyl glycosides				
Glyceryl polyacrylate	2-Propenoic acid, homopolymer, esters with 1,2,3-propanetriol				
Isohexadecane					
Octyldodecyl Neopentanoate	Propanoic acid, 2,2-dimethyl-, 2-octyldodecyl ester				
Palmitoyl hydroxypropyltrimonium amylopectin/glycerin crosspolymer					
PPG-1 Trideceth-6					
PPG-1-PEG-9 lauryl glycol ether					
PPG-15 Stearyl Ether Benzoate					
Royal Jelly Extract					
Tricaprylyl Citrate					

INCI name	CAS Chemical Name	CAS number	Name of TGA-regulated product containing the chemical	Product category	Aust-R or Aust-L no. (if applicable)
Trihydroxypalmitamidohydroxypropyl Myristyl Ether					
Voandzeia subterranea seed extract					

3 REMINDER NOTICE: PUBLIC COMMENT ON REFORMS TO THE REGULATION OF HARD SURFACE DISINFECTANTS – CLOSING 5:00 PM FRIDAY 12 FEBRUARY 2010

This Notice is to all persons who market hard surface disinfectant products in Australia and/or introduce chemicals used in disinfectants into Australia that are either registered or listed on the Australian Register of Therapeutic Goods (ARTG), or those disinfectant products that are exempt from entry onto the ARTG, and to any person wishing to comment on proposed changes to the regulation of hard surface disinfectants in Australia. A Consultation Regulatory Impact Statement plus business impact survey are currently open.

The aims of the consultation, which was announced in the November *Chemical Gazette* and launched on the NICNAS website on 11 November 2009, are to:

- Seek industry, community and government stakeholder views on a preferred model for change to the regulation of hard surface disinfectants; and
- Obtain data and comment on the impact of the preferred model on business, the community and government.

Public consultations

Stakeholder meetings have taken place in Sydney, Brisbane and Melbourne. No further face-to-face meetings are planned, however consultations by tele or video conference, either one-on-one or for groups, will be arranged on request by interested parties.

Submissions

Submissions are sought on the impact of the proposals presented in the consultation Regulatory Impact Statement and by completion of the survey. The survey can be submitted electronically from the NICNAS or TGA websites or requested from:

Stephen Zaluzny

02 8577 8883

Stephen.zaluzny@nicnas.gov.au

Siepie Larkin

02 6232 8721

siepie.larkin@tga.gov.au

and returned by e-mail.

The deadline for comment on these proposals is 5pm, Friday 12 February.

NICNAS strongly encourages all interested parties to ‘have your say’ in this important reform process. Please do not miss this deadline!

All submissions will be placed on the TGA's and NICNAS'S websites. For submissions made by individuals, all personal details other than your name will be removed from your submission before it is published on the TGA's and NICNAS'S websites. Confidential material contained within submissions should be clearly marked. Reasons for a claim to confidentiality must be included in the submission coversheet. Where possible confidential material will be redacted from information published on the TGA's and NICNAS'S websites.

Participation in this consultation is entirely voluntary, and we thank you for your time and effort.

**4 REMINDER NOTICE: PUBLIC COMMENT ON REGULATORY REFORM
PROPOSAL FOR INDUSTRIAL NANOMATERIALS – CLOSING 5:00 PM FRIDAY
12 FEBRUARY 2010**

In early November 2009, NICNAS published a discussion paper for a [*Proposal for Regulatory Reform of Industrial Nanomaterials*](#). Feedback is sought to facilitate a preliminary analysis of the impact, as well as the feasibility of proposed options, for the regulation of industrial nanomaterials.

The release of the paper was followed by public consultation sessions in Sydney and Melbourne in the week of 16 November 2009. NICNAS has published comments from these discussions in a [*Table of Stakeholder Comments*](#), to assist stakeholders to provide feedback on the proposals. NICNAS is also inviting interested individuals/groups who could not make these consultations to contact us to organise one-one or group consultations by teleconference.

A questionnaire and a business impact survey, for stakeholder comment, also accompany the paper to facilitate written submissions. Both documents can be downloaded or submitted electronically from the [*NICNAS website*](#), or requested from:

Nicola Hall
02 8577 8871
nicola.hall@nicnas.gov.au

The deadline for comment on this proposal is 5pm, Friday 12 February.

NICNAS strongly encourages all interested parties to ‘have your say’ in this important reform process. Please do not miss this deadline!

All submissions will be placed on the NICNAS's website. For submissions made by individuals, all personal details other than your name will be removed from your submission before it is published on the NICNAS website. Confidential material contained within submissions should be clearly marked. Reasons for a claim to confidentiality must be included in the submission coversheet. Where possible confidential material will be redacted from information published on the NICNAS website.

Participation in this consultation is entirely voluntary, and we thank you for your time and effort.

5 PUBLICATION SUMMARY REPORT

Polymer in Genomer 4215 Summary Report Reference No: LTD/1425

Hewlett Packard Australia Pty Ltd (ABN 74 004 394 763) of 353 Burwood Hwy, Forest Hill VIC 3131 and CPI Graphics Ltd (ABN 54 004 081 501) of 41-45 Mills Road, Braeside VIC 3195 have submitted a limited notification statement in support of their application for an assessment certificate for Polymer in Genomer 4215. The notified polymer is intended to be used as additive in printing ink. Up to 5 tonnes of the notified polymer will be imported per annum for each of the first five years.

Hazard Classification

Based on the limited information provided the notified polymer cannot be classified as a hazardous substance according to 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, the notified polymer is not considered to pose an unacceptable 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 polymer in ink preparations:
 - Avoid skin and eye contact
- Employers should ensure that the following personal protective equipment is used by workers to minimise occupational exposure to the notified polymer during connecting ink containers to equipment and maintenance activities:
 - Protective gloves
 - Long-sleeved protective clothing

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.

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(2) of the Act; if
 - the function or use of the chemical has changed from additive in printing ink, or is likely to change significantly;
 - the amount of chemical being introduced has increased from 5 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 the products 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.

6 PUBLICATION SUMMARY REPORT

SYL-OFF-SL11 Cross Linker Summary Report Reference No: LTD/1426

Dow Corning Australia Pty Ltd (ABN 36 008 444 166) of Macquarie University Research Park, 3 Innovation Road, North Ryde NSW 2113 has submitted a limited notification statement in support of their application for an assessment certificate for SYL-OFF-SL11 Cross Linker. The notified polymer is intended to be used as an adhesive in paper coating. 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 according to the *Approved Criteria for Classifying Hazardous Substances* [NOHSC:1008(2004)].

However, based on a structural alert, the notified polymer may have potential for irritation and sensitisation properties.

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 expected 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 polymer in adhesive formulation:
 - Avoid skin and eye contact

- Employers should ensure that the following personal protective equipment is used by workers to minimise occupational exposure to the notified polymer during connecting pumping lines to the steel drums, cleaning the mixing tanks and adhesive application activities:
 - Protective gloves
 - Long-sleeved protective clothing
 - Safety glasses

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

- A copy of the MSDS should be easily accessible to employees.
- If products and mixtures containing the notified chemical are classified as hazardous to health in accordance with the *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 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(2) of the Act; if
 - the function or use of the chemical has changed from an adhesive in paper coating, 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 the notified polymer and 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.

7 PUBLICATION SUMMARY REPORT

Component 1 in CYCOM 5250-4 RTM Resin Summary Report Reference No: LTD/1431

Cytec Australia Holdings Pty Ltd (ABN: 45 081 148 629) of Suite 1, Level 1 Norwest Quay, 21 Solent Circuit, Norwest Business Park, Baulkham Hills NSW 2153, Huntsman Advanced Materials Australia Pty Limited (ABN: 93 091 627 879) of Gate 3, Ballarat Road, Deer Park, VIC 3023 and Boeing Aerostructures Australia Pty Limited (ABN: 15 103 165 466) of 226 Lorimer St, Port Melbourne, VIC 3207 have submitted a limited notification statement in support of their application for an assessment certificate for Component 1 in CYCOM 5250-4 RTM Resin. The notified chemical is intended to be used as a component of resin for the manufacture of composite materials. Up to 1 tonne of the notified chemical will be imported per annum for each of the first five years.

Hazard Classification

Based on the provided data the notified chemical is classified as hazardous according to the *Approved Criteria for Classifying Hazardous Substances* [NOHSC:1008(2004)]. The following risk phrase applies to the notified chemical:

- C: R34 Causes burns

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 reported use pattern, the notified chemical is not expected to pose a risk to the environment.

Recommendations

Regulatory Controls

Hazard Classification and Labelling

- The Office of the ASCC, Department of Employment and Workplace Relations (DEWR), should consider the following [health, environmental and physico-chemical] hazard classification for the notified chemical:
 - C: R34 Causes burns
- Use the following cut-off concentrations and risk phrases for products/mixtures containing the notified chemical:
 - Conc \geq 10%: R34
 - \geq 5% Conc < 10%: R36; R38

Control Measures

Occupational Health and Safety

- Employers should ensure that the facilities are equipped such that operations involving the notified polymer are performed in a controlled manner. The following isolation and engineering controls should be in place to minimise occupational exposure to the notified polymer:
 - Automated processes
 - Sealed equipment
- Employers should implement the following safe work practices to minimise occupational exposure during handling of the notified chemical in the product CYCOM 5250-4 RTM resin:
 - Avoid contact with skin and eyes
- Employers should ensure that the following personal protective equipment is used by workers to minimise occupational exposure to the notified chemical in the product CYCOM 5250-4 RTM resin:
 - impervious gloves
 - safety glasses
 - protective clothing

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 to landfill.

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 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 importation volume exceeds one tonne per annum notified chemical;
 - the end use of notified chemical is not incorporation into articles.or
- (2) Under Section 64(2) of the Act; if
 - the function or use of the chemical has changed from a component of resin for the manufacture of composite materials, or is likely to change significantly;
 - the amount of chemical being introduced has increased from 1 tonne, 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 notified chemical and products containing the notified chemical provided by the notifier were reviewed by NICNAS. The accuracy of the information on the MSDS remains the responsibility of the applicant.

8 PUBLICATION SUMMARY REPORT

Component 2 in CYCOM 5250-4 RTM Resin Summary Report Reference No: LTD/1432

Cytec Australia Holdings Pty Ltd (ABN: 45 081 148 629) of Suite 1, Level 1 Norwest Quay, 21 Solent Circuit, Norwest Business Park, Baulkham Hills NSW 2153 and Boeing Aerostructures Australia Pty Limited (ABN: 15 103 165 466) of 226 Lorimer St, Port Melbourne, VIC 3207 have submitted a limited notification statement in support of their application for an assessment certificate for Component 2 in CYCOM 5250-4 RTM Resin. The notified chemical is intended to be used as a component of resin for the manufacture of composite materials. Up to 1 tonne of the notified chemical will be imported per annum for each of the first five years.

Hazard Classification

Based on the provided data the notified chemical is classified as hazardous according to the *Approved Criteria for Classifying Hazardous Substances* [NOHSC:1008(2004)]. The following risk phrases apply to the notified chemical:

- T⁺: R26 Very toxic by inhalation
- Xi: R41 Risk of serious damage to eyes
- Xi: R43 May cause sensitisation by skin contact

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 reported use pattern, the notified chemical is not expected to pose a risk to the environment.

Recommendations

Regulatory Controls

Hazard Classification and Labelling

- Safe Work Australia should consider the following health hazard classifications for the notified chemical:
 - T⁺: R26 Very toxic by inhalation
 - Xi: R41 Risk of serious damage to eyes
 - Xi: R43 May cause sensitisation by skin contact
- Use the following cut-off concentrations and risk phrases for products/mixtures containing the notified chemical:
 - Conc \geq 10%: R26; R41; R43

- $\geq 7\%$ Conc < 10%: R26; R36; R43
- $\geq 5\%$ Conc < 7%: R23; R36; R43
- $\geq 1\%$ Conc < 5%: R23; R43
- $\geq 0.1\%$ Conc < 1%: R20

Health Surveillance

- As the notified chemical is a sensitiser and very toxic by inhalation, 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 or inhalation exposure to the notified chemical.

Control Measures

Occupational Health and Safety

- Employers should ensure that the facilities are equipped such that operations involving the notified polymer are performed in a controlled manner. The following isolation and engineering controls should be in place to minimise occupational exposure to the notified polymer:
 - Automated processes
 - Local exhaust ventilation
 - Sealed equipment
- Employers should implement the following safe work practices to minimise occupational exposure during handling of products containing the notified polymer:
 - Avoid inhalation of aerosols/particles
 - Avoid contact with skin and eyes
 - Clean spills immediately, taking care to avoid inhalation
- Employers should ensure that the following personal protective equipment is used by workers to minimise occupational exposure to the notified chemical in the product CYCOM 5250-4 RTM resin:
 - impervious gloves
 - safety glasses
 - protective clothing
 - respirator

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 to landfill.

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 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 importation volume exceeds one tonne per annum notified chemical;
 - the notified chemical is introduced in a powdered form instead of a resin.or
- (2) Under Section 64(2) of the Act; if
 - the function or use of the chemical has changed from a component of resin (up to 30%) for the manufacture of composite materials, or is likely to change significantly;
 - the amount of chemical being introduced has increased from 1 tonne, 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 notified chemical and products containing the notified chemical provided by the notifier were reviewed by NICNAS. The accuracy of the information on the MSDS remains the responsibility of the applicant.

9 PUBLICATION SUMMARY REPORT

Polymer in Silikopon EF Summary Report Reference No: LTD/1437

International Sales & Marketing Pty Ltd (ABN 36 467 259 314) of 262 Highett Road HIGHETT VIC 3190 has submitted a limited notification statement in support of their application for an assessment certificate for Polymer in Silikopon EF. The notified polymer is intended to be used as a component of industrial coatings. 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 limited data provided the notified polymer can not be classified as hazardous according to the *Approved Criteria for Classifying Hazardous Substances* (NOHSC, 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, the notified polymer is not expected to pose a risk to the environment.

Recommendations

Control Measures

Occupational Health and Safety

- Employers should implement the following isolation and engineering controls to minimise occupational exposure to the notified polymer:
 - Exhaust ventilation
 - Enclosed systems during reformulation
- Employers should implement the following safe work practices to minimise occupational exposure during handling of the notified polymer:
 - Avoid breathing aerosol
- Employers should ensure that the following personal protective equipment is used by workers to minimise occupational exposure to the notified polymer during application:
 - Respiratory protection with a cartridge respirator suitable for organic mists and vapours

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

- Spray applications should be carried out in accordance with the Safe Work Australia National Guidance Material for Spray Painting [NOHSC (1999)] or relevant State and Territory Codes of Practice.
- 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.

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;
 or
- (2) Under Section 64(2) of the Act; if
 - the function or use of the chemical has changed from a component of industrial coatings, or is likely to change significantly;
 - the amount of chemical being introduced has increased from 10 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.

10 PUBLICATION SUMMARY REPORT

1,1,1,3,3,3-Hexafluoropropane (HFC-236fa) Summary Report Reference No: STD/1302

DuPont (Australia) Ltd (ABN 59 000 716 469) of 168 Walker Street, North Sydney NSW 2060 has submitted a standard notification statement in support of their application for an assessment certificate for 1,1,1,3,3,3-Hexafluoropropane (HFC-236fa). The notified chemical is intended to be used as a refrigerant and as a fire extinguishing agent. Up to four 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:1008(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 global warming potential and the notified use pattern, the notified chemical may pose a risk to the environment. While the contribution to global warming is expected to be very small relative to current anthropogenic emissions, every precaution must be taken to avoid releases to the atmosphere, as required under federal and state legislation.

Recommendations

Regulatory Controls

Hazard Classification and Labelling

- The notified chemical should be classified as follows under the ADG Code:
 - Class 2.2 – Non-flammable, non-toxic gases.

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:
 - Ensure that workers are not exposed to the notified chemical in high concentrations e.g., in confined spaces.
 - Workers should be trained in the safe handling of the notified chemical, and where appropriate, should be accredited for handling hydrofluorocarbons.

- The notified chemical has virtually no odour. Therefore, equipment should be maintained and monitored for leaks, with immediate corrective action where leaks are detected.
- Ensure that worker exposure to the notified chemical and its decomposition products during and after fire-fighting is minimised.
- Employers should ensure that the following personal protective equipment is used by workers to minimise occupational exposure to the notified chemical as introduced:
 - Safety glasses, gloves, and coveralls are recommended to avoid frost burns.
 - Respiratory protection is warranted if significant inhalation exposure is expected, such as in scenarios with poor ventilation or confined spaces, those where aerosols are 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.

Public Health

- The following measures should be taken by distributors and equipment owners to minimise public exposure to the notified chemical when used in commercial settings:
 - Equipment must be maintained and monitored for leaks, with immediate corrective action where leaks are detected.

Environment

- The following control measures should be implemented by distributors and equipment owners to minimise environmental exposure during storage and use of the notified chemical:
 - Technicians must be trained and accredited for handling hydrofluorocarbons.
 - Equipment must be maintained and monitored for leaks, with immediate corrective action where leaks are detected.
 - The notified chemical must not be vented to the atmosphere, except when used for *fire suppression*.

Disposal

- The notified chemical must be disposed of at a licensed extinguishing agent or refrigerant destruction facility.

Emergency procedures

- Spills or accidental release of the notified chemical should be handled by ventilating enclosed areas until safe for re-entry.

Transport and Packaging

- As the notified chemical has been classified under the ADG Code, proper transportation and packing requirements should be followed.

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 use as a refrigerant or fire extinguishing medium, or is likely to change significantly;
 - the amount of chemical being introduced has increased from four 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.

11 PUBLICATION SUMMARY REPORT

Stearoxypropyltrimonium chloride Summary Report Reference No: STD/1336

Kao Brands Australia Pty Ltd (ABN 72 111 285 146) of Level 1, 19 Prospect Street Box Hill VIC 3128 has submitted a standard notification statement in support of their application for an assessment certificate for Stearoxypropyltrimonium chloride. The notified chemical is intended to be used as an ingredient in hair conditioner at a maximum concentration of up to 6%. Up to 5 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 classified as hazardous according to the *Approved Criteria for Classifying Hazardous Substances* [NOHSC:1008(2004)]. The following risk phrases apply to the notified chemical:

- Xn; R22 Harmful if swallowed
- Xi; R41 Risk of serious damage to eyes
- Xi; R43 May cause sensitisation by skin contact

Human Health Risk Assessment

Based on the occupational settings described and appropriate labelling of products, the notified chemical is not considered to pose an unacceptable risk to the health of workers.

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

Environmental Risk Assessment

On the basis of the PEC/PNEC ratio and the notified use pattern, the notified chemical is not expected to pose a risk to the environment.

Recommendations

Regulatory Controls

Hazard Classification and Labelling

- The Safe Work Australia, should consider the following health hazard classification for the notified chemical:
 - Xn; R22 Harmful if swallowed
 - Xi; R41 Risk of serious damage to eyes
 - Xi; R43 May cause sensitisation by skin contact
- Use the following risk phrases for products/mixtures containing the notified chemical:
 - Concentration \geq 25%: R22; R41; R43
 - 10% \leq concentration < 25%: R41; R43
 - 5% \leq concentration < 10%: R36; R43
 - Concentration \geq 1%: R43

- Based on its hazardous properties and intended use in consumer products, the notified chemical should be submitted to the National Drugs and Poisons Schedule Committee (NDPSC) for listing in the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP). However, the notified chemical is a quaternary ammonium compound which is already included in the SUSDP under Schedule 5 or 6 based on its concentration/preparation. All preparations containing quaternary ammonium compounds at 20% or less are included in Schedule 5 of the SUSDP with some exceptions e.g. in preparations containing 5% or less. To promote uniform labelling and packaging requirements throughout Australia, the existing scheduling requirements in the SUSDP for quaternary ammonium compounds are applicable to the notified chemical.
- Products containing $\geq 5\%$ notified chemical and available to the public must carry the following safety directions on the label:
 - Avoid contact with eyes
 - May cause allergy
 - In case of contact with eyes, rinse immediately with plenty of water

Material Safety Data Sheet

- The MSDS for the product provided by the notifier should be amended to reflect the hazardous nature of the chemical:
 - Amend hazard identification to ‘Hazardous substance’.
 - Include the risk phrase R36 Irritating to eyes for products containing $\geq 5\%$ of the notified chemical
 - Include the risk phrase R43 May cause sensitisation by skin contact for products containing $\geq 1\%$ of the notified chemical.
 - Include appropriate safety phrases.
 - Include the full chemical name of the notified chemical in the MSDS.

Control Measures

Occupational Health and Safety

- Employers in hair salons should implement the following safe work practices to minimise occupational exposure during handling of the notified chemical as introduced:
 - Avoid eye contact
- 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.

Public Health

- The hazard classification and labelling recommendations provided above will ensure adequate public health control measures.

Disposal

- The notified chemical should be disposed of to landfill.

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 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 concentration of the notified chemical in hair conditioner products exceeds 6%.

or

- (2) Under Section 64(2) of the Act; if
 - the function or use of the chemical has changed from a component of hair conditioner, or is likely to change significantly;
 - the amount of chemical being introduced has increased from 5 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.

Material Safety Data Sheet

The MSDS of the product 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.

12 PUBLICATION SUMMARY REPORT

Sovermol 1102 Summary Report Reference No: STD/1337

Cognis Australia Pty Ltd (ABN 87 006 374 456) of 4 Saligna Drive Tullamarine VIC 3043 has submitted a standard notification statement in support of their application for an assessment certificate for Sovermol 1102. The notified polymer is intended to be used for manufacturing of polyurethanes adhesives for construction and civil engineering. Up to 100 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

On the basis of the reported use pattern, the notified chemical is not considered to pose an unacceptable risk to the environment.

Recommendations

Control Measures

Occupational Health and Safety

- Employers should implement the following safe work practice to minimise occupational exposure during handling of the notified polymer as introduced in product Sovermol 1102:
 - Avoid contact with the eyes

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 to landfill.

Emergency procedures

- Spills or accidental release of the notified chemical should be handled by physical containment, collection and 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 manufacturing of polyurethanes adhesives for construction and civil engineering, or is likely to change significantly;
 - the amount of chemical being introduced has increased from 100 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 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

Dodecanoic acid, methyl-2-sulfoethyl ester, sodium salt (1:1) Summary Report Reference No: STD/1342

A.S. Harrison & Co. Pty. Ltd. (ABN 89 000 030 437) of 75 Old Pittwater Road, Brookvale, NSW 2100 has submitted a standard notification statement in support of their application for an assessment certificate for dodecanoic acid, methyl-2-sulfoethyl ester, sodium salt (1:1). The notified chemical is intended to be used as a component of personal care products at concentrations up to 50% for wash-off products and concentrations up to 17% for leave-on products. Up to 100 tonnes of the notified chemical will be imported per annum for each of the first five years.

Hazard Classification

Based on the available data for the analogue chemical, the notified chemical is classified as hazardous according to the *Approved Criteria for Classifying Hazardous Substances* [NOHSC:1008(2004)] with the following risk phrases:

- Xi: R38 Irritating to the skin
- Xi: R36 Irritating to eyes

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 with appropriate safety information on the packaging, the notified chemical is not considered to pose an unacceptable risk to public health.

Environmental Risk Assessment

On the basis of the PEC/PNEC ratio and the reported use pattern, the notified chemical is not expected to pose a risk to the environment.

Recommendations

Regulatory Controls

Hazard Classification and Labelling

- Safe Work Australia should consider the following health hazard classification for the notified chemical:
 - Xi: R38 Irritating to the skin
 - Xi: R36 Irritating to eyes
- Use the following risk phrases for products/mixtures containing the notified chemical:
 - Conc \geq 20%: R36; R38

Material Safety Data Sheet

- The MSDS provided by the notifier should be amended as follows:
 - Include the risk phrase R36 Irritating to eyes for products containing $\geq 20\%$ of the notified chemical
 - Include the risk phrase R38 Irritating to the skin for products containing $\geq 20\%$ of the notified chemical
 - Include appropriate safety phrases.

Control Measures

Occupational Health and Safety

- Employers should implement the following engineering controls to minimise occupational exposure to the notified chemical during reformulation:
 - Automated processes
 - Local exhaust ventilation
- Employers should implement the following safe work practices to minimise occupational exposure during reformulation of the notified chemical:
 - Avoid contact with skin and eyes
- Employers in hair salons should implement the following safe work practices to minimise occupational exposure during handling of the notified chemical as introduced:
 - Good hygiene practices should be maintained
 - Avoid eye contact
- Employers should ensure that the following personal protective equipment is used by workers to minimise occupational exposure to the notified chemical during reformulation:
 - impervious gloves
 - safety glasses
 - protective clothing

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 to landfill.

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 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 a component of personal care products at concentrations up to 50% for wash-off products and concentrations up to 17% for leave-on products, or is likely to change significantly;
 - the amount of chemical being introduced has increased from 100 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.

14 PUBLICATION SUMMARY REPORT

DEIPA Summary Report Reference No: STD/1344

Grace Australia Pty Ltd (ABN 41 080 660 11) of 40 Scanlon Drive Epping VIC 3076 has submitted a standard notification statement in support of their application for an assessment certificate for DEIPA. The notified chemical is intended to be used as a component of cement. Up to 80 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 classified as hazardous according to the *Approved Criteria for Classifying Hazardous Substances* (NOHSC, 2004) with the following risk phrase:

- Xn; R63 Possible risk of harm to the unborn child

Product/mixtures containing the notified chemical $\geq 5\%$ should contain the above risk phrase

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 reported use pattern, the notified chemical is not expected to pose a risk to the environment.

Regulatory Controls

Hazard Classification and Labelling

Material Safety Data Sheet

- The MSDS for products containing $\geq 5\%$ notified chemical must:
 - disclose the full chemical name (Type I ingredient according to NOHSC (2003))
 - contain the hazard classification, ‘hazardous substance’
 - contain the risk phrase, Xn; R63 Possible risk of harm to the unborn child

Control Measures

Occupational Health and Safety

- Employers should implement the following safe work practices to minimise occupational exposure during handling of the notified chemical:
 - Avoid dust in eyes during bagging and dispensing
 - Avoid inhalation of dust during bagging and dispensing of cement
 - Do not use if pregnant or likely to become pregnant
 - Use closed/automated systems when preparing admixture or using neat concentration
- Employers should ensure that the following personal protective equipment is used by workers when preparing cement to minimise occupational exposure to the notified chemical:

- Gloves
- Eye protection
- Enclosed shoes

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

- Preventive measures should be taken to avoid formation of carcinogenic nitrosamine. The following measures should be taken regarding handling of the notified chemical:
 - Do not use sodium nitrite or other nitrosating agents in formulations containing the notified chemical.
- A copy of the MSDS should be easily accessible to employees.
- If products and mixtures containing the notified chemical are classified as hazardous to health in accordance with the *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.

Storage

- The following precautions should be taken regarding storage of the notified chemical:
 - Do not store in copper, copper alloys, aluminium or aluminium alloys

Emergency procedures

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

Transport and Packaging

- Avoid contact with oxidising materials
- Avoid moisture
- Avoid contact with absorbent materials such as sawdust and cellulose
- Avoid extreme heat

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 a component of cement, or is likely to change significantly;
- the notified chemical is added to finished powdered cement at concentrations greater than 0.07%;
- the amount of chemical being introduced has increased from 80 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.

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.

15 PUBLICATION SUMMARY REPORT

4(3H)-Pyrimidinone, 2,6-diamino- Summary Report Reference No: STD/1346

Sun Ace Australia Pty Ltd (ABN 75 050 238 769) of 32-38 Remington Drive Dandenong South Victoria 3175 has submitted a standard notification statement in support of their application for an assessment certificate for 4(3H)-Pyrimidinone, 2,6-diamino-. The notified chemical is intended to be used as a stabiliser in PVC (polyvinyl chloride) products for the plastics industry, including pipe manufacture. Pipes may be used for distributing drinking water for human use. The imported notified chemical in powder form will be reformulated with other ingredients and pelletized at the reformulation site in Australia. Up to one hundred and fifty tonnes of the notified chemical will be imported per annum for each of the first five years.

Hazard Classification

Based on the data provided, the notified chemical is not classified as hazardous according to the *Approved Criteria for Classifying Hazardous Substances* [NOHSC:1008(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 reported use pattern, the notified chemical is not expected 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 chemical as introduced :
 - Local exhaust ventilation where dust is present
 - Automated system for loading
- Employers should implement the following safe work practices to minimise occupational exposure during handling of the notified chemical as introduced:
 - Avoid contact with skin and eyes
 - Do not inhale dust
- 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 to landfill via licensed waste collectors.

Emergency procedures

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

Regulatory Obligations

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 concentration of the notified chemical in PVC pipes exceeds 0.3%
 - significant migration rate occurs from PVC pipes into water (e.g. exceeding EFSA limit)

or

- (2) Under Section 64(2) of the Act; if
 - the function or use of the chemical has changed from stabiliser for PVC articles, or is likely to change significantly;
 - the amount of chemical being introduced has increased from 150 tonnes 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.

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.

16 PUBLICATION SUMMARY REPORT

Polymer in AR-2000 series Summary Report Reference No: PLC/873

Akzo Nobel Pty Ltd (ABN 59 000 119 424) of 51 McIntyre Road, Sunshine, VIC 3020 has submitted a polymer of low concern (PLC) notification statement in support of their application for an assessment certificate for Polymer in AR-2000 series. The notified polymer is intended to be used as a component (< 25%) of OEM automotive coatings. 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 expected 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.

- Spray application should be carried out in accordance with the Safe Work Australia *National Guidance Material for Spray Painting* [NOHSC (1999b)] or relevant State and Territory Codes of Practice.
- 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 OEM automotive 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 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.

17 PUBLICATION SUMMARY REPORT

XPR 134/ADAPTA Summary Report Reference No: PLC/876

Halliburton Australia Pty Ltd (ABN 73 009 000 775) of Level 2, 256 St Georges Terrace PERTH WA 6000 has submitted a polymer of low concern (PLC) notification statement in support of their application for an assessment certificate for XPR 134/ADAPTA. The notified polymer is intended to be used in petroleum production. Up to 200 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 its reported use pattern and apparent low toxicity to marine biota, the notified polymer is not expected 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 to the notified polymer as introduced in powder form
 - Ensure adequate ventilation is in place to minimise dust levels.
 - The level of atmospheric dust should be maintained as low as possible. The Australian recommended exposure standard for dust is 10 mg/m³ [NOHSC 3008:(1995)]. The ACGIH exposure standard for atmospheric dust is 3 mg/m³.
- Employers should ensure that the following personal protective equipment is used by workers to minimise occupational exposure to the notified polymer during the application where dust may be generated:
 - Correctly fitted particle filter mask or respirator (adequate for respirable particle sizes)

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

- Employers should implement the following safe work practices to minimise occupational exposure during handling of the notified chemical in resin form:
 - Avoid the formation of airborne dusts
- 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 petroleum production, 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 a 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.

18 PUBLICATION SUMMARY REPORT

Polymer in ND-1 Summary Report Reference No: PLC/879

Sika Australia Pty Ltd (ABN 12 001 342 329) of 55 Elizabeth Street Wetherill Park NSW 2164 has submitted a polymer of low concern (PLC) notification statement in support of their application for an assessment certificate for Polymer in ND-1. The notified polymer is intended to be used as a component of concrete. Up to 400 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 a component in concrete, 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.

19 PUBLICATION SUMMARY REPORT

1,3-Benzenedicarbonyl dichloride, polymer with 2-methyloxirane polymer with oxirane ether with 1,2,3-propanetriol (3:1), caprolactam-terminated

Summary Report

Reference No: PLC/880

Plastral Pty Ltd (ABN 68 000 144 132) of 130 Denison Street, Hillsdale, NSW 2036 has submitted a polymer of low concern (PLC) notification statement in support of their application for an assessment certificate for 1,3-Benzenedicarbonyl dichloride, polymer with 2-methyloxirane polymer with oxirane ether with 1,2,3-propanetriol (3:1), caprolactam-terminated. The notified polymer is intended to be used as a prepolymer for making plastic. Up to 100 tonnes of the notified polymer will be imported per annum for each of the first five years.

Hazard Classification

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 an analogue polymer described as a nylon block prepolymer.

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 expected 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 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 prepolymer for making plastic, 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 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.

20 PUBLICATION SUMMARY REPORT

Polymer in SAG TP-325 Summary Report Reference No: PLC/890

Momentive Performance Materials Australia Pty Ltd (ABN 47 105 651 063) of Level 2 600 Victoria Street Richmond VIC 3121 and A.S. Harrison & Co Pty Ltd (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 Polymer in SAG TP-325. The notified polymer is intended to be used as a component of a diesel fuel additive package. Up to 10 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

- Employers should implement the following safe work practices to minimise occupational exposure during handling of the notified polymer when introduced in products at high concentrations (> 50%):
 - Avoid skin and eye contact

- Employers should ensure that the following personal protective equipment is used by workers to minimise occupational exposure to the notified polymer when introduced in products at high concentrations (> 50%):
 - Safety goggles
 - Coveralls
 - 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 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 a lubricant or a diesel fuel additive package, 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 imported 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.

21 PUBLICATION SUMMARY REPORT

IRR 260 Summary Report Reference No: EX/128

Cytec Australia Holdings Pty Ltd (ABN: 45 081 148 629) of Suite 1, Level 1 Norwest Quay 21 Solent Circuit, Norwest Business Park, Baulkham Hills NSW 2153 has submitted a limited notification statement in support of their application for an assessment certificate for IRR 260. The notified polymer is intended to be used as a UV/EB (Ultraviolet/Electron Beam) curable resin for coatings and printing inks and varnishes. Up to 100 tonnes of the notified polymer will be imported per annum for each of the first five years.

Since the assessment certificate has been granted for the above notified polymer, CPI Graphics Ltd of 41-45 Mills Rd BRAESIDE VIC 3195, has submitted an application for extension of the assessment certificate, together with a written agreement of the holder of the original certificate (Cytec Australia Holdings Pty Ltd) for importing up to 10 tonnes of the notified polymer per annum for use in UV curable inks.

Hazard Assessment

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

Occupational Health and Safety

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

Public Health

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

Environmental Effects

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

Risk Assessment Relating to Extension Application

The proposed use, introduction volume and fate of the notified polymer will not change significantly under the proposed extension. The circumstances in the extension application are not expected to impact on the original human health and environment risk assessment.

Recommendations

Control Measures

Occupational Health and Safety

- Employers should implement the following engineering controls to minimise occupational exposure to the notified chemical 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 chemical as introduced, and as diluted for use in blended products:
 - Avoid skin and eye contact
 - Avoid breathing aerosol
 - Spray application of coatings containing the notified polymer should be 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 chemical as introduced, and as diluted for use in blended products:
 - Chemical resistant gloves
 - Protective clothing
 - Safety goggles
 - 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 NOHSC *Approved Criteria for Classifying Hazardous Substances*, workplace practices and control procedures consistent with provisions of State and Territory hazardous substances legislation must be in operation.

Environment

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

Disposal

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

Emergency procedures

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

Secondary Notification

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

- (1) 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.

Extension Application:

The applicant for extension application has provided MSDS of a product containing the notified polymer. The accuracy of the information on the MSDS remains the responsibility of the extension applicant.

22 PUBLICATION SUMMARY REPORT

Polymer in Benester X100-134 Summary Report Reference No: SAPLC/107

Ciba (Australia) Pty Limited (ABN 97 005 061 469) of 235 Settlement Rd, Thomastown VIC 3074 has submitted a polymer of low concern (PLC) notification statement in support of their application for an assessment certificate for Polymer in BENESTER X100-134. The notified polymer is intended to be used as a component of varnishes in the packaging industry. Up to 50 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.

Level of Concern for Occupational Health and Safety

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

Level of Concern for Public Health

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

Level of Concern for the Environment

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

Material Safety Data Sheet

The notifier has provided MSDS as part of the notification statement. The accuracy of the information on the MSDS remains the responsibility of the applicant.

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 in landfill.

Emergency procedures

- Spills/release of the notified polymer should be contained as described in the MSDS (i.e. collect spilled material with an inert absorbent) and the resulting waste disposed of to an authorised landfill.

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 component of varnish for use in the packaging industry, or is likely to change significantly;
 - the amount of notified polymer being introduced has increased, 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.

23 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.

24 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
657	DuPont (Australia) Ltd	Polymer 1 in Electroshield 21 resin	Component of vehicle undercoats
655	Unilever Australia Ltd	1,3-Butanediol, 3-methyl-	Cosmetic ingredient
658	DuPont (Australia) Ltd	Polymer in Elan 8719	Component of a stain resistant formulation for carpets
659	Evonik Degussa Australia Pty Ltd	Polymer in Viscoplex 0/6832	Lubricant additive
660	Nuplex Industries (Aust) Pty Ltd	Polymer in Aquaflow XLS525/XLS530	Component of surface coatings

25 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 2

Chemicals Eligible for Listing on the Australian Inventory of Chemical Substances

CHEMICAL NAME	MOLECULAR FORMULA	CAS NUMBER
Fatty acids, C18-unsatd., dimers, hydrogenated, polymers with 1,6-hexanediol	Unspecified	156064-92-5
Fatty acids, C18-unsatd., dimers, hydrogenated, polymers with adipic acid and 1,6-hexanediol	Unspecified	171542-56-6
Butanamide, N-[4-[[[3-(dimethylamino)propyl]amino]sulfonyl]phenyl]-2-[2-(2-methoxy-4-nitrophenyl)diazenyl]-3-oxo-	C ₂₂ H ₂₈ N ₆ O ₇ S	1065519-44-9

26 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 3

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

CHEMICAL NAME	MOLECULAR FORMULA	CAS NUMBER
2-Propenoic acid, butyl ester, polymer with diethenylbenzene and ethenylbenzene	$(C_{10}H_{10}.C_8H_8.C_7H_{12}O_2)_x$	60806-47-5