

14 PUBLICATION SUMMARY REPORT

**Romascone
Summary Report
Reference No: LTD/1161**

Firmenich Ltd (ABN 86 002 964 794) of 73 Kenneth Road Balgowlah NSW 2093 has submitted a limited notification statement in support of their application for an assessment certificate for Romascone. The notified chemical is intended to be used as a fragrance ingredient in a variety of cosmetic and domestic products. The notified chemical will not be manufactured in Australia. It will be imported as a component of liquid compounded fragrances (maximum 1%), which will be reformulated in Australia to produce the final consumer products. In the consumer products, the concentration of the notified chemical will be a maximum of 0.2% in fine perfumes, and a maximum of 0.005% in other cosmetic products and domestic products. Less than 1 tonne of the notified chemical will be imported per annum for each of the first five years.

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

The notifier has indicated that the notified chemical is classified as hazardous. The classification and labelling details are:

R38 – Irritating to skin.

Occupational Health and Safety

There is Low Concern to occupational health and safety under the conditions of the occupational settings described, provided closed systems or personal respiratory equipment are used for any reformulation operations.

Public Health

There is No Significant Concern to public health when used as an ingredient in consumer products as described in the notification.

Environmental Effects

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

RECOMMENDATIONS**Regulatory Controls****Hazard Classification and Labelling**

- Use the following risk phrases for products/mixtures containing the notified chemical:
 - $\geq 20\%$: R38 - Irritating to skin

Control Measures

Occupational Health and Safety

- Employers should implement the following engineering controls to minimise occupational exposure to the notified chemical:
 - Closed system during mixing and blending of ingredients with fragrance preparations containing the notified chemical, particularly if aerosol formation is likely.
 - Local exhaust ventilation during mixing and blending of ingredients with fragrance preparations containing the notified chemical.
- Employers should implement the following safe work practices to minimise occupational exposure during handling of the notified chemical:
 - Prevent splashes and spills.
- Employers should ensure that the following personal protective equipment is used by workers to minimise occupational exposure to the notified chemical during formulation of fragrance preparations containing it into consumer products:
 - Chemical resistant gloves, protective overalls and goggles/faceshield.
 - Personal respiratory equipment during mixing and blending of ingredients with fragrance preparations containing the notified chemical.

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

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

Disposal

- The notified chemical should be disposed of to landfill.

Emergency procedures

- Gross spillages should be contained by the use of sand or inert powder. Any absorbent rags used for cleaning up spills should be disposed of promptly, preferably by incineration.
- Do not discharge directly into drains, soil or the aquatic environment.

Secondary Notification

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

Under Section 64(1) of the Act; if

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

Under Section 64(2) of the Act:

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

The Director will then decide whether secondary notification is required.

15 PUBLICATION SUMMARY REPORT

L-Tyrosine methyl ester hydrochloride Summary Report Reference No: STD/1113

Procter & Gamble Australia Pty Ltd (ABN 91 008 396 245) of 320 Victoria Road Rydalmere NSW 2116 has submitted a standard notification statement in support of their application for an assessment certificate for L-Tyrosine methyl ester hydrochloride. The notified chemical is intended to be used as a hair conditioning agent at maximum 0.014% in leave-on or rinse-off haircare formulations, which will be supplied in consumer size packages ready for retail sale. Up to 1125 kg of the notified chemical will be imported per annum for each of the first five years.

ASSESSMENT OF PUBLIC, OCCUPATIONAL HEALTH AND SAFETY AND ENVIRONMENTAL EFFECTS

Hazard Assessment

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

R36 – Irritating to eyes.

Occupational Health and Safety

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

Public Health

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

Environmental Effects

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

RECOMMENDATIONS

Regulatory Controls

Hazard Classification and Labelling

- The NOHSC Chemicals Standards Sub-committee should consider the following health hazard classification for the notified chemical:
 - R36 – Irritating to eyes.
- Use the following risk phrases for products/mixtures containing the notified chemical:
 - $\geq 20\%$: R36 (Obligatory) – Irritating to eyes.

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 in the lubricant additive package:
 - Adequate training for staff in safe handling procedures;

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

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

Disposal

- The notified chemical should be disposed of to landfill.

Emergency procedures

- Spills/release of the notified chemical should be handled by containing, adsorbing with inert, damp, non-combustible material and flushing the area with flooding amounts of water.
- Do not contaminate drainage or waterways.
- Avoid direct discharge into 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:

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.

16 PUBLICATION SUMMARY REPORT

**Z-54
Summary Report
Reference No: PLC/455**

Lubrizol International Inc (ABN 52 073 495 603) of 28 River Street Silverwater NSW 2128 has submitted a synthetic polymer of low concern (PLC) notification statement in support of their application for an assessment certificate for Z-54. The notified polymer is intended to be used as a detergent in passenger car and heavy-duty diesel engine oils. Less than 1000 tonnes of the notified polymer will be imported per annum for each of the first five years.

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

The notified polymer meets the PLC criteria and can therefore be considered to be of low hazard. The toxicological studies undertaken with notified polymer indicate that it has low acute oral toxicity and is not genotoxic nor mutagenic. No toxicological significant changes were observed in a subchronic repeat dose study.

Occupational Health and Safety

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

Public Health

There is Low Concern to public health when used in as described in the notification.

Environmental Effects

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

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

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

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

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

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

Disposal

- The notified chemical will be a component of waste oil. It should be disposed of by recycling as waste oil or incinerated in accordance with approved State or Territory waste management regulations. Emptied containers (1-4 L) should be sent to landfill for disposal. Emptied drums should be sent to drum recyclers for steam cleaning prior to re-use, with wastewater treated and oil component concentrated prior to recycling as waste oil by licensed waste contractors. Every effort should be made to prevent the notified chemical from entering waterways.

Emergency procedures

- Spills/release of the notified chemical should be handled by stopping the source of the spill where possible. Then containing the release to prevent further contamination of soil, surface water or ground water. Clean up spill as soon as possible by applying non-combustible adsorbent materials in disposable containers and dispose of in a manner consistent with government regulations.

Secondary Notification

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

Under subsection 64(1) of the Act; if

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

or

Under subsection 64(2) of the Act:

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

The Director will then decide whether secondary notification is required.

17 PUBLICATION SUMMARY REPORT

Polymer in Dynapol LS 436-12 Summary Report Reference No: PLC/457

Degussa Coatings & Colorants Pty Ltd (ABN 16 079 823 313) of 30 Commercial Drive Dandenong VIC 3175 has submitted a synthetic polymer of low concern (PLC) notification statement in support of their application for an assessment certificate for Polymer in Dynapol LS 436-12. The notified polymer will be imported as a 60% elastifying component of the product Dynapol LS 436-12 for use in the manufacture of solvent based pigment dispersions (which will then be incorporated into coloured inks and paints) and industrial can coatings. Up to 30 tonnes of the notified polymer will be imported per annum for each of the first five years.

ASSESSMENT OF PUBLIC, OCCUPATIONAL HEALTH AND SAFETY AND ENVIRONMENTAL EFFECTS

Hazard Assessment

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

Occupational Health and Safety

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

Public Health

There is Low Concern to public health when used in accord with directions printed on the label of consumer size paint products.

Environmental Effects

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

RECOMMENDATIONS

Control Measures Occupational Health and Safety

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

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

- In the interest of occupational health and safety, the following guidelines and precautions should be observed for use of Dynapol LS 436-12 and its end use products:
 - Adequate local and general ventilation in areas of formulation and application of paints, including the spray booth;
 - Documented standard operating instructions and procedures;
 - Adequate training for staff in handling paint products, including enforcing the adherence of industrial spray painters to the National Guidance Material for Spray Painting;
 - Implementation of general health surveillance and monitoring programs as required.
- A copy of the MSDS should be easily accessible to employees.
- If products and mixtures containing the notified polymer are classified as hazardous to health in accordance with the NOHSC *Approved Criteria for Classifying Hazardous Substances*, workplace practices and control procedures consistent with provisions of State and Territory hazardous substances legislation must be in operation.

Environment

- The following control measures should be implemented by the formulators to minimise environmental exposure during formulation and application of the paint containing the notified polymer:
 - Do not allow the notified polymer and paint products containing it to enter sewer or containers to contaminate drains, waterways or server.

Disposal

- The notified polymer wastes generated during industrial application should be disposed of through a licensed waste contractor.

Emergency procedures

- Spills/release of the notified polymer should be handled by qualified personnel. Do not flush into surface water or sanitary sewer system. Take up the spills mechanically or with an adsorbent material, either sand, diatomaceous earth, universal adsorbent or saw dust and dispose of appropriately.

Secondary Notification

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

Under subsection 64(1) of the Act; if

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

or

Under subsection 64(2) of the Act:

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

The Director will then decide whether secondary notification is required.

18 PUBLICATION SUMMARY REPORT

**Infineum C9535
Summary Report
Reference No: PLC/492**

Infineum Australia Pty Ltd (ABN 24084881863) of 2/6 Riverside Quay, Southbank, VIC has submitted a synthetic polymer of low concern (PLC) notification statement in support of their application for an assessment certificate for Infineum C9535. The notified polymer is intended to be used as a cold flow additive for use in diesel fuels. One to two hundred tonnes of the notified polymer will be imported per annum for each of the first five years.

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

Based on the available toxicological data, the notified polymer is expected to display low acute oral and dermal toxicity, low repeated-dose toxicity and low potential for *in vitro* mutagenicity or clastogenicity. In addition, the notified polymer meets the PLC criteria and can therefore be considered to be of low hazard.

Occupational Health and Safety

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

Public Health

There is Negligible Concern to public health based on its reported use pattern.

Environmental Effects

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

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

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

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

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

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

Disposal

- The notified polymer should be disposed of by incineration

Emergency procedures

Land spill

- If the notified polymer is spilled outside the workplace, the liquid should be prevented from entering sewers, watercourses or low areas. The liquid should be contained with sand or earth and recovered by pumping or by absorption into sand or earth before being disposed in an approved manner.

Water spill

- The spill should be removed from the surface of the water by skimming or with suitable absorbent. If appropriate, sinking and/or dispersants may be used in non-confined waters.

Secondary Notification

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

Under subsection 64(1) of the Act; if

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

or

Under subsection 64(2) of the Act:

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

The Director will then decide whether secondary notification is required.

19 ACCESS TO FULL PUBLIC REPORT

NICNAS publishes a Full Public Report for each new chemical assessed. These reports are available for public inspection at the library of the National Occupational Health & Safety Commission at their Canberra office by appointment only. Please call the library on (02) 6279 1161 or (02) 6279 1163 to arrange to view the Full Public Report.

Reports can also be viewed and downloaded free of charge from our website at www.nicnas.gov.au. Copies of these reports may also be requested, free of charge, by contacting the Administration Section of NICNAS by phone: (02) 8577 8816 or fax: (02) 8577 8888.

20 LOW VOLUME CATEGORY PERMITS

The permits listed in Table 2 were issued to import or manufacture the following chemicals under section 21U of the *Industrial Chemicals (Notification and Assessment) Act 1989*. Low Volume Category Permits are approved for 36 months.

Table 1
Low Volume Category Permits

PERMIT NUMBER	COMPANY NAME	COMPANY POSTCODE	CHEMICAL OR TRADE NAME	HAZARDOUS SUBSTANCE	USE	DATE
665	Toyo Inks Australia Pty Ltd	3137	Silane Hexyltrimethoxy	Yes	Component of ink for testing	28/9/04
666	Chemetall (Australia) Pty Ltd	3153	HN-130	No	Surface coating	30/9/04
667	Epson Australia Pty Ltd	2113	Liojet WD Yellow 008C	No	Component of printing ink	30/9/04
669	Epson Australia Pty Ltd	2113	Liojet WD Magenta 008C	No	Component of printing ink	30/9/04

21 COMMERCIAL EVALUATION CATEGORY PERMIT

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

Table 2
Commercial Evaluation Category Permits

PERMIT NUMBER	COMPANY NAME	COMPANY POSTCODE	CHEMICAL OR TRADE NAME	HAZARDOUS SUBSTANCE	QUANTITY	USE	PERIOD APPROVED
596	Baker Petrolite	3195	FLO Alkene Copolymer	No	2000 kg	Hydrocarbon fluid additive	1 year
597	Mitsui & Co (Aust) Ltd	2000	FSH	Yes	2500 kg	Component of thermoset system	1 year

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

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

Table 3

Chemicals Eligible for Listing on the Australian Inventory of Chemical Substances

CHEMICAL NAME	CAS NUMBER	MOLECULAR FORMULA
Cyclohexaneacetaldehyde, alpha-methyl-	2109-22-0	C ₉ H ₁₆ O
2-Propenoic acid, 2-methyl-, methyl ester, polymer with ethyl 2-propenoate, N-[(2-methylpropoxy)methyl]-2-propenamide and 2-propenoic acid	54640-88-9	(C ₈ H ₁₅ NO ₂ .C ₅ H ₈ O ₂ .C ₅ H ₈ O ₂ .C ₃ H ₄ O ₂) _x
1-Naphthalenamine, N-[(1,1,3,3-tetramethylbutyl)phenyl]-, reaction products with diphenylamine and 2,4,4-trimethylpentene	174514-04-6	Unspecified
1,3-Benzenedicarboxylic acid, polymer with 1,4-benzenedicarboxylic acid, decanedioic acid, 1,2-ethanediol and hexanedioic acid	28902-18-3	(C ₁₀ H ₁₈ O ₄ .C ₈ H ₆ O ₄ .C ₈ H ₆ O ₄ .C ₆ H ₁₀ O ₄ .C ₂ H ₆ O ₂) _x
Fatty acids, C14-18 and C16-18-unsatd., maleated	85711-46-2	Unspecified
Phenol, 4,4'-(1-methylethylidene)bis-, polymer with (chloromethyl)oxirane and oxirane, reaction products with N-(1,3-dimethylbutylidene)-N'-[2-[(1,3-dimethylbutylidene)amino]ethyl]-1,2-ethanediamine and 2-(methylamino)ethanol, hydrolyzed, acetates (salts)	744198-64-9	Unspecified
Isocyanic acid, polymethylenepolyphenylene ester, polymer with 2-ethyl-2-(hydroxymethyl)-1,3-propanediol and 1,2-propanediol,2-butoxyethanol- and 2-(2-butoxyethoxy)ethanol- and iso-Bu alc.- and 1-methoxy-2-propanol-blocked	744198-65-0	Unspecified

Propanoic acid, 2-hydroxy-, reaction products with bisphenol A-N-(1,3-dimethylbutylidene)-N'-[2-[(1,3-dimethylbutylidene)amino]ethyl]-1,2-ethanediamine-2-(methylamino)ethanol polymer and hydrolyzed bisphenol A-epichlorohydrin polymer ether with polyethylene glycol	744198-60-5	Unspecified
Fatty acids, C10-20 and C16-18-unsatd., reaction products with triethanolamine, di-Me sulfate-quaternized	91995-81-2	Unspecified
Phenol, 4,4'-(1-methylethylidene)bis-, polymer with alpha-(2-aminomethylethyl)-omega-(2-aminomethylethoxy)poly[oxy(methyl-1,2-ethanediyl)], (chloromethyl)oxirane and alpha-(oxiranylmethyl)-omega-(oxiranylmethoxy)poly[oxy(methyl-1,2-ethanediyl)], monoacetate (salt)	740801-64-3	$(C_{15}H_{16}O_2 \cdot (C_3H_6O)_n C_6H_{16}N_2O \cdot (C_3H_6O)_n C_6H_{10}O_3 \cdot C_3H_5ClO)_x \cdot C_2H_4O_2$
1-Phenanthrenecarboxylic acid, 1,2,3,4,4a,4b,5,6,10,10a-decahydro-1,4a-dimethyl-7-(1-methylethyl)-, calcium salt, (1R,4aR,4bR,10aR)-	13463-98-4	$C_{20}H_{30}O_2 \cdot \frac{1}{2}Ca$
4H-3,1-Benzoxazin-4-one, 2,2'-(1,4-phenylene)bis-	18600-59-4	$C_{22}H_{12}N_2O_4$
2-[Bis(2-hydroxyethyl)amino]-1,3,5-triazin-4,6-diylbis{4-[2-(4-iminophenyl)vinyl-N-methylpyridinium dichloride	163661-77-6	$C_{35}H_{38}N_8O_2 \cdot 2Cl$
2,5-Furandione, polymer with (1-methyethenyl)benzene, sodium salt	60092-15-1	$(C_9H_{10} \cdot C_4H_2O_3)_x \cdot xNa$
2-Propenoic acid, telomer with 1-dodecanethiol and 2-ethylhexyl 2-propenoate	95038-69-0	$C_{12}H_{26}S \cdot (C_{11}H_{20}O \cdot 2 \cdot C_3H_4O_2)_x$
1,3-Benzenedicarboxylic acid, polymer with 2,2-dimethyl-1,3-propanediol, 2-ethyl-2-(hydroxymethyl)-1,3-propanediol, 2,5-furandione and hexanedioic acid	56045-52-4	$(C_8H_6O_4 \cdot C_6H_{14}O_3 \cdot C_6H_{10}O_4 \cdot C_5H_{12}O \cdot 2 \cdot C_4H_2O_3)_x$