

RESENE TIMBER AND FURNITURE GEL

Resene Paints Ltd

Chemwatch Hazard Alert Code: 2

Version No: 1.1
Safety Data Sheet according to HSNO Regulations

Issue Date: 24/11/2015
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L.GHS.NZL.EN

SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

Product Identifier

Product name	RESENE TIMBER AND FURNITURE GEL
Synonyms	Incl KWILA, JARRA, SHEER BLACK, SILVERED GREY
Other means of identification	Not Available

Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses	9786, 9787, 9788, 9789
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Details of the supplier of the safety data sheet

Registered company name	Resene Paints Ltd
Address	32-50 Vogel Street Naenae 5011 Wellington New Zealand
Telephone	+64 4 577 0500
Fax	+64 4 577 3327
Website	www.resene.co.nz
Email	advice@resene.co.nz

Emergency telephone number

Association / Organisation	NZ POISONS (24hr 7 days)
Emergency telephone numbers	0800 764 766
Other emergency telephone numbers	Not Available

CHEMWATCH EMERGENCY RESPONSE

Primary Number	Alternative Number 1	Alternative Number 2
+800 2436 2255	+612 9186 1132	Not Available

Once connected and if the message is not in your preferred language then please dial 01


SECTION 2 HAZARDS IDENTIFICATION

Classification of the substance or mixture

Considered a Hazardous Substance according to the criteria of the New Zealand Hazardous Substances New Organisms legislation. Not regulated for transport of Dangerous Goods.

GHS Classification [1]	Skin Corrosion/Irritation Category 2, Skin Sensitizer Category 1, Acute Aquatic Hazard Category 3, Chronic Aquatic Hazard Category 3, Eye Irritation Category 2A
Legend:	1. Classified by Chemwatch; 2. Classification drawn from CCID EPA NZ; 3. Classification drawn from EC Directive 1272/2008 - Annex VI
Determined by Chemwatch using GHS/HSNO criteria	6.5B (contact), 9.1C, 6.4A, 6.3A, 9.1D

Label elements

GHS label elements	
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SIGNAL WORD **WARNING**

Hazard statement(s)

H315	Causes skin irritation
H317	May cause an allergic skin reaction
H402	Harmful to aquatic life

Continued...

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H412	Harmful to aquatic life with long lasting effects
H319	Causes serious eye irritation

Precautionary statement(s) Prevention

P280	Wear protective gloves/protective clothing/eye protection/face protection.
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Precautionary statement(s) Response

P362	Take off contaminated clothing and wash before reuse.
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Precautionary statement(s) Storage

Not Applicable

Precautionary statement(s) Disposal

P501	Dispose of contents/container in accordance with local regulations.
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SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS**Substances**

See section below for composition of Mixtures

The specific chemical identity and/ or exact percentage of composition has been withheld as a trade secret

Mixtures

CAS No	%[weight]	Name
55406-53-6	0.1-0.5	<u>3-iodo-2-propynyl butyl carbamate</u>
64742-82-1.	0.1-1	<u>naphtha, petroleum, hydrodesulfurised heavy</u>
Not Available	0.1-1	benzotriazol derivatives
121-44-8	0.5-2	<u>triethylamine</u>
84133-50-6	0.1-1	<u>alcohols C12-14 secondary ethoxylated</u>

SECTION 4 FIRST AID MEASURES

NZ Poisons Centre 0800 POISON (0800 764 766) | NZ Emergency Services: 111

Description of first aid measures

Eye Contact	<p>If this product comes in contact with the eyes:</p> <ul style="list-style-type: none"> ▶ Wash out immediately with fresh running water. ▶ Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids. ▶ Seek medical attention without delay; if pain persists or recurs seek medical attention. ▶ Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.
Skin Contact	<p>If skin contact occurs:</p> <ul style="list-style-type: none"> ▶ Immediately remove all contaminated clothing, including footwear. ▶ Flush skin and hair with running water (and soap if available). ▶ Seek medical attention in event of irritation.
Inhalation	<ul style="list-style-type: none"> ▶ If fumes, aerosols or combustion products are inhaled remove from contaminated area. ▶ Other measures are usually unnecessary.
Ingestion	<ul style="list-style-type: none"> ▶ Immediately give a glass of water. ▶ First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

for diuron:

- ▶ Symptomatic and supportive action is indicated.
- ▶ Methaemoglobinaemia is possible
- ▶ if compound is hydrolysed in vivo to aniline.
- ▶ Methaemoglobinaemia causes cyanosis. Reversion of methaemoglobin to haemoglobin is spontaneous after removal from exposure, so moderate degrees of cyanosis need be treated only by supportive measures such as bed rest and oxygen inhalation.
- ▶ Thorough cleansing of the entire contaminated area of the body, including the scalp and nails is of the utmost importance.

SECTION 5 FIREFIGHTING MEASURES**Extinguishing media**

- ▶ Water spray or fog.

Special hazards arising from the substrate or mixture

Fire Incompatibility	None known.
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Advice for firefighters

Fire Fighting	▶ Alert Fire Brigade and tell them location and nature of hazard.
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Fire/Explosion Hazard	Combustible. May emit poisonous fumes. May emit corrosive fumes.
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SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Minor Spills	▶ Clean up all spills immediately.
Major Spills	Minor hazard.

Personal Protective Equipment advice is contained in Section 8 of the SDS.

SECTION 7 HANDLING AND STORAGE

Precautions for safe handling

Safe handling	▶ Avoid all personal contact, including inhalation.
Other information	▶ Store in original containers.

Conditions for safe storage, including any incompatibilities

Suitable container	▶ Metal can or drum ▶ Packaging as recommended by manufacturer.
Storage incompatibility	None known

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

OCCUPATIONAL EXPOSURE LIMITS (OEL)

INGREDIENT DATA

Source	Ingredient	Material name	TWA	STEL	Peak	Notes
New Zealand Workplace Exposure Standards (WES)	naphtha, petroleum, hydrodesulfurised heavy	Rubber solvent (Naphtha)	1600 mg/m ³ / 400 ppm	Not Available	Not Available	Not Available
New Zealand Workplace Exposure Standards (WES)	naphtha, petroleum, hydrodesulfurised heavy	White spirits (Stoddard solvent)	525 mg/m ³ / 100 ppm	Not Available	Not Available	Not Available
New Zealand Workplace Exposure Standards (WES)	triethylamine	Triethylamine	12 mg/m ³ / 3 ppm	20 mg/m ³ / 5 ppm	Not Available	Skin absorption

EMERGENCY LIMITS

Ingredient	Material name	TEEL-1	TEEL-2	TEEL-3
3-iodo-2-propynyl butyl carbamate	Butyl-3-iodo-2-propynylcarbamate	3.3 mg/m ³	36 mg/m ³	220 mg/m ³
naphtha, petroleum, hydrodesulfurised heavy	Naphtha, hydrotreated heavy; (Isopar L-rev 2)	171 ppm	171 ppm	570 ppm
naphtha, petroleum, hydrodesulfurised heavy	Solvent naphtha, petroleum, medium aliphatic; (Mineral spirits, naphtha)	0.32 mg/m ³	3.5 mg/m ³	21 mg/m ³
naphtha, petroleum, hydrodesulfurised heavy	Rubber solvent; (Naphtha (petroleum) light aliphatic)	264 ppm	1700 ppm	10000 ppm
naphtha, petroleum, hydrodesulfurised heavy	Petroleum distillates; (Petroleum crude oil)	87.5 ppm	450 ppm	10000 ppm
naphtha, petroleum, hydrodesulfurised heavy	Naphtha (coal tar); (Naphtha [petroleum] light aliphatic; Aliphatic naphtha)	300 ppm	1700 ppm	10000 ppm
naphtha, petroleum, hydrodesulfurised heavy	Petroleum spirits; (VM & P Naphtha, Ligroine, Paint solvent)	75 ppm	400 ppm	400 ppm
naphtha, petroleum, hydrodesulfurised heavy	Stoddard solvent; (Mineral spirits, 85% nonane and 15% trimethyl benzene)	100 ppm	350 ppm	29500 ppm
triethylamine	Triethylamine	3 ppm	3 ppm	1000 ppm

Ingredient	Original IDLH	Revised IDLH
3-iodo-2-propynyl butyl carbamate	Not Available	Not Available
naphtha, petroleum, hydrodesulfurised heavy	29,500 mg/m ³ / 10,000 ppm / 10,000 [LEL] ppm	20,000 mg/m ³ / 1,100 [LEL] ppm / 1,000 [LEL] ppm
benzotriazol derivatives	Not Available	Not Available
triethylamine	1,000 ppm	200 ppm
alcohols C12-14 secondary ethoxylated	Not Available	Not Available

MATERIAL DATA

for diuron:

Exposures at or below the recommended TLV-TWA is thought to protect the worker from the significant risk of anaemia and methaemoglobinaemia associated with use of the product.

For amorphous crystalline silica (precipitated silicic acid):

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Amorphous crystalline silica shows little potential for producing adverse effects on the lung and exposure standards should reflect a particulate of low intrinsic toxicity.

For triethylamine:

Odour Threshold Value: <0.1-0.65 ppm (detection), 0.27-29.0 ppm (recognition)

NOTE: Detector tubes for triethylamine, measuring in excess of 5 ppm, are commercially available.


Odour Threshold Value: 3.3 ppm (detection), 7.6 ppm (recognition)

Exposure at or below the recommended isopropanol TLV-TWA and STEL is thought to minimise the potential for inducing narcotic effects or significant irritation of the eyes or upper respiratory tract.

NOTE M: The classification as a carcinogen need not apply if it can be shown that the substance contains less than 0.005% w/w benzo[a]pyrene (EINECS No 200-028-5).

NOTE P: The classification as a carcinogen need not apply if it can be shown that the substance contains less than 0.01% w/w benzene (EINECS No 200-753-7).

Exposure controls

Appropriate engineering controls	Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard.
Personal protection	
Eye and face protection	▶ Safety glasses with side shields.
Skin protection	See Hand protection below
Hands/feet protection	▶ Wear chemical protective gloves, e.g. PVC. NOTE: ▶ The material may produce skin sensitisation in predisposed individuals.
Body protection	See Other protection below
Other protection	▶ Overalls.
Thermal hazards	Not Available

Recommended material(s)

GLOVE SELECTION INDEX

Glove selection is based on a modified presentation of the:

'Forsberg Clothing Performance Index'.

The effect(s) of the following substance(s) are taken into account in the **computer-generated** selection:

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Material	CPI
NAT+NEOPR+NITRILE	C
NATURAL RUBBER	C
NATURAL+NEOPRENE	C
NEOPRENE	C
NITRILE	C
NITRILE+PVC	C
PE/EVAL/PE	C
PVC	C
SARANEX-23	C
VITON	C

* CPI - Chemwatch Performance Index

A: Best Selection

B: Satisfactory; may degrade after 4 hours continuous immersion

C: Poor to Dangerous Choice for other than short term immersion

NOTE: As a series of factors will influence the actual performance of the glove, a final selection must be based on detailed observation. -

* Where the glove is to be used on a short term, casual or infrequent basis, factors such as 'feel' or convenience (e.g. disposability), may dictate a choice of gloves which might otherwise be unsuitable following long-term or frequent use. A qualified practitioner should be consulted.

Respiratory protection

Not Available

Not Available

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Coloured gel		
Physical state	Gel	Relative density (Water = 1)	1.04
Odour	Not Available	Partition coefficient n-octanol / water	Not Available
Odour threshold	Not Available	Auto-ignition temperature (°C)	Not Available
pH (as supplied)	8.2-9.5	Decomposition temperature	Not Available
Melting point / freezing point (°C)	Not Available	Viscosity (cSt)	Not Available

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Initial boiling point and boiling range (°C)	100	Molecular weight (g/mol)	Not Available
Flash point (°C)	>93	Taste	Not Available
Evaporation rate	Not Available	Explosive properties	Not Available
Flammability	Not Applicable	Oxidising properties	Not Available
Upper Explosive Limit (%)	Not Available	Surface Tension (dyn/cm or mN/m)	Not Available
Lower Explosive Limit (%)	Not Available	Volatile Component (%vol)	76
Vapour pressure (kPa)	Not Available	Gas group	Not Available
Solubility in water (g/L)	Miscible	pH as a solution (1%)	Not Available
Vapour density (Air = 1)	Not Available	VOC g/L	60

SECTION 10 STABILITY AND REACTIVITY

Reactivity	See section 7
Chemical stability	Product is considered stable and hazardous polymerisation will not occur.
Possibility of hazardous reactions	See section 7
Conditions to avoid	See section 7
Incompatible materials	See section 7
Hazardous decomposition products	See section 5

SECTION 11 TOXICOLOGICAL INFORMATION

Information on toxicological effects

Inhaled	The material is not thought to produce adverse health effects or irritation of the respiratory tract (as classified by EC Directives using animal models). The odour of isopropanol may give some warning of exposure, but odour fatigue may occur.
Ingestion	The material has NOT been classified by EC Directives or other classification systems as 'harmful by ingestion'. Following ingestion, a single exposure to isopropyl alcohol produced lethargy and non-specific effects such as weight loss and irritation.
Skin Contact	Evidence exists, or practical experience predicts, that the material either produces inflammation of the skin in a substantial number of individuals following direct contact, and/or produces significant inflammation when applied to the healthy intact skin of animals, for up to four hours, such inflammation being present twenty-four hours or more after the end of the exposure period. The material may accentuate any pre-existing dermatitis condition Skin contact is not thought to have harmful health effects (as classified under EC Directives); the material may still produce health damage following entry through wounds, lesions or abrasions. 511ipa Open cuts, abraded or irritated skin should not be exposed to this material Entry into the blood-stream through, for example, cuts, abrasions, puncture wounds or lesions, may produce systemic injury with harmful effects.
Eye	Evidence exists, or practical experience predicts, that the material may cause eye irritation in a substantial number of individuals and/or may produce significant ocular lesions which are present twenty-four hours or more after instillation into the eye(s) of experimental animals. Isopropanol vapour may cause mild eye irritation at 400 ppm.
Chronic	Practical experience shows that skin contact with the material is capable either of inducing a sensitisation reaction in a substantial number of individuals, and/or of producing a positive response in experimental animals. On the basis, primarily, of animal experiments, concern has been expressed by at least one classification body that the material may produce carcinogenic or mutagenic effects; in respect of the available information, however, there presently exists inadequate data for making a satisfactory assessment. Limited evidence suggests that repeated or long-term occupational exposure may produce cumulative health effects involving organs or biochemical systems. Severe exposure to triethylamine vapours may result in bronchitis, chemical inflammation of the lungs, pulmonary oedema and even death. Chronic effects of exposure to diuron may initially include skin irritation, or blurring of vision, liver enlargement; spleen and thyroid effects; red blood cell destruction; or reduction of the blood's oxygen carrying capacity with cyanosis (bluish discolourisation), weakness or shortness of breath by formation of methemoglobin. Long term or repeated ingestion exposure of isopropanol may produce incoordination, lethargy and reduced weight gain. Speculative discussion surrounds the use of sunscreens and a possible rise in the incidence of melanoma.

RESENE TIMBER AND FURNITURE GEL	TOXICITY	IRRITATION
	Not Available	Not Available
3-iodo-2-propynyl butyl carbamate	TOXICITY	IRRITATION
	dermal (rat) LD50: >2000 mg/kg*[2]	* [Yoshitomi and Troy Chem.WPL]
	Inhalation (rat) LC50: 0.680 mg/l/4h *g[2]	Eye: Irritating
Oral (rat) LD50: 1056 mg/kg*[2]	Skin: Slight irritant	
naphtha, petroleum, hydrodesulfurised heavy	TOXICITY	IRRITATION
	Dermal (rabbit) LD50: >1900 mg/kg[1]	Not Available
	Dermal (rabbit) LD50: >1900 mg/kg[1]	

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Dermal (rabbit) LD50: >1900 mg/kg ^[1]	
Dermal (rabbit) LD50: >1900 mg/kg ^[1]	
Dermal (rabbit) LD50: >3000 mg/kg ^[2]	
dermal (rat) LD50: 28000 mg/kg*n ^[2]	
Inhalation (rat) LC50: >1400 ppm/8H ^[2]	
Inhalation (rat) LC50: 3400 ppm/4H ^[2]	
Inhalation (rat) LC50: 61 mg/L/4H ^[2]	
Oral (rat) LD50: >19650 mg/kgd ^[2]	
Oral (rat) LD50: >4300 mg/kgd ^[2]	
Oral (rat) LD50: >4500 mg/kg ^[1]	
Oral (rat) LD50: >4500 mg/kg ^[1]	
Oral (rat) LD50: >4500 mg/kg ^[1]	
Oral (rat) LD50: >4500 mg/kg ^[1]	
Oral (rat) LD50: >5000 mg/kg ^[2]	

triethylamine	TOXICITY	IRRITATION
	Dermal (rabbit) LD50: 416.1 mg/kg ^[1]	Eye (rabbit): 0.25 mg/24h SEVERE
	Inhalation (mouse) LC50: 6 mg/l2 h ^[1]	Eye(rabbit): 50ppm/30d int SEVERE
	Inhalation (rat) LC50: 0.420.59 mg/l1 h ^[1]	Skin (rabbit): 365 mg open mild
	Inhalation (rat) LC50: 10.9 mg/l4 h ^[1]	
	Inhalation (rat) LC50: 14.441 mg/L1 h ^[1]	
	Inhalation (rat) LC50: 14.7 mg/l1 h ^[1]	
Oral (rat) LD50: 460 mg/kg ^[1]		

alcohols C12-14 secondary ethoxylated	TOXICITY	IRRITATION
	dermal (rat) LD50: >2000 mg/kg ^[1]	Not Available
	Oral (rat) LD50: >=2000 mg/kg ^[1]	

Legend: 1. Value obtained from Europe ECHA Registered Substances - Acute toxicity 2.* Value obtained from manufacturer's SDS. Unless otherwise specified data extracted from RTECS - Register of Toxic Effect of chemical Substances

Acute Toxicity	☹	Carcinogenicity	☹
Skin Irritation/Corrosion	✔	Reproductivity	☹
Serious Eye Damage/Irritation	✔	STOT - Single Exposure	☹
Respiratory or Skin sensitisation	✔	STOT - Repeated Exposure	☹
Mutagenicity	☹	Aspiration Hazard	☹

Legend: ✘ – Data available but does not fill the criteria for classification
✔ – Data required to make classification available
☹ – Data Not Available to make classification

SECTION 12 ECOLOGICAL INFORMATION

Toxicity

Ingredient	Endpoint	Test Duration (hr)	Species	Value	Source
3-iodo-2-propynyl butyl carbamate	LC50	96	Fish	0.067mg/L	4
3-iodo-2-propynyl butyl carbamate	EC50	48	Crustacea	0.04mg/L	5
3-iodo-2-propynyl butyl carbamate	EC50	96	Algae or other aquatic plants	1.978mg/L	3
3-iodo-2-propynyl butyl carbamate	EC50	96	Crustacea	0.0234mg/L	4
3-iodo-2-propynyl butyl carbamate	NOEC	48	Crustacea	<0.01mg/L	4
naphtha, petroleum, hydrodesulfurised heavy	EC50	72	Algae or other aquatic plants	=13mg/L	1
naphtha, petroleum, hydrodesulfurised heavy	EC50	72	Algae or other aquatic plants	=30000mg/L	1

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naphtha, petroleum, hydrodesulfurised heavy	NOEC	72	Algae or other aquatic plants	=0.1mg/L	1
naphtha, petroleum, hydrodesulfurised heavy	EC50	96	Algae or other aquatic plants	64mg/L	2
naphtha, petroleum, hydrodesulfurised heavy	EC50	96	Algae or other aquatic plants	64mg/L	2
naphtha, petroleum, hydrodesulfurised heavy	EC50	48	Crustacea	>100mg/L	1
naphtha, petroleum, hydrodesulfurised heavy	EC50	96	Algae or other aquatic plants	=450mg/L	1
naphtha, petroleum, hydrodesulfurised heavy	EC50	72	Algae or other aquatic plants	=6.5mg/L	1
naphtha, petroleum, hydrodesulfurised heavy	EC50	72	Algae or other aquatic plants	=6.5mg/L	1
naphtha, petroleum, hydrodesulfurised heavy	NOEC	72	Algae or other aquatic plants	<0.1mg/L	1
naphtha, petroleum, hydrodesulfurised heavy	LC50	96	Fish	0.00746mg/L	4
naphtha, petroleum, hydrodesulfurised heavy	EC50	48	Crustacea	0.058mg/L	4
naphtha, petroleum, hydrodesulfurised heavy	BCF	96	Fish	0.2mg/L	4
naphtha, petroleum, hydrodesulfurised heavy	EC20	168	Crustacea	0.11mg/L	4
naphtha, petroleum, hydrodesulfurised heavy	NOEC	168	Crustacea	<=0.05mg/L	4
naphtha, petroleum, hydrodesulfurised heavy	LC50	96	Fish	8.8mg/L	4
naphtha, petroleum, hydrodesulfurised heavy	EC50	48	Crustacea	3.7mg/L	4
naphtha, petroleum, hydrodesulfurised heavy	EC50	72	Algae or other aquatic plants	=6.5mg/L	1
naphtha, petroleum, hydrodesulfurised heavy	EC50	96	Algae or other aquatic plants	64mg/L	2
naphtha, petroleum, hydrodesulfurised heavy	NOEC	72	Algae or other aquatic plants	<0.1mg/L	1
naphtha, petroleum, hydrodesulfurised heavy	EC50	72	Algae or other aquatic plants	=6.5mg/L	1
naphtha, petroleum, hydrodesulfurised heavy	EC50	72	Algae or other aquatic plants	=6.5mg/L	1
naphtha, petroleum, hydrodesulfurised heavy	NOEC	72	Algae or other aquatic plants	<0.1mg/L	1
triethylamine	LC50	96	Fish	24mg/L	2
triethylamine	EC50	48	Crustacea	17mg/L	2
triethylamine	EC50	96	Algae or other aquatic plants	1.167mg/L	2
triethylamine	EC50	96	Algae or other aquatic plants	6.336mg/L	3
triethylamine	NOEC	72	Algae or other aquatic plants	1.1mg/L	2

Legend:

Extracted from 1. IUCLID Toxicity Data 2. Europe ECHA Registered Substances - Ecotoxicological Information - Aquatic Toxicity 3. EPIWIN Suite V3.12 - Aquatic Toxicity Data (Estimated) 4. US EPA, Ecotox database - Aquatic Toxicity Data 5. ECETOC Aquatic Hazard Assessment Data 6. NITE (Japan) - Bioconcentration Data 7. METI (Japan) - Bioconcentration Data 8. Vendor Data

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Do NOT allow product to come in contact with surface waters or to intertidal areas below the mean high water mark.

Diuron is a systemic substituted phenylurea herbicide.

for UV filters:

UV filters have been detected in surface water, wastewater and fish, and some of them are estrogenic in fish.

DO NOT discharge into sewer or waterways.

Persistence and degradability

Ingredient	Persistence: Water/Soil	Persistence: Air
3-iodo-2-propynyl butyl carbamate	HIGH	HIGH
triethylamine	HIGH	HIGH

Bioaccumulative potential

Ingredient	Bioaccumulation
3-iodo-2-propynyl butyl carbamate	LOW (LogKOW = 2.4542)
triethylamine	LOW (BCF = 7.45)

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Mobility in soil

Ingredient	Mobility
3-iodo-2-propynyl butyl carbamate	LOW (KOC = 365.3)
triethylamine	LOW (KOC = 107.2)

SECTION 13 DISPOSAL CONSIDERATIONS

Waste treatment methods

Product / Packaging disposal	
	<ul style="list-style-type: none"> Containers may still present a chemical hazard/ danger when empty. Recycle wherever possible or consult manufacturer for recycling options.

Ensure that the disposal of material is carried out in accordance with Hazardous Substances (Disposal) Regulations 2001.

SECTION 14 TRANSPORT INFORMATION

Labels Required

Marine Pollutant	NO
HAZCHEM	Not Applicable

Land transport (UN): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Air transport (ICAO-IATA / DGR): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Sea transport (IMDG-Code / GGVSee): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Transport in bulk according to Annex II of MARPOL 73 / 78 and the IBC code

Source	Ingredient	Pollution Category
IMO MARPOL 73/78 (Annex II) - List of Noxious Liquid Substances Carried in Bulk	naphtha, petroleum, hydrodesulfurised heavy	Y
IMO MARPOL 73/78 (Annex II) - List of Noxious Liquid Substances Carried in Bulk	triethylamine	Y

SECTION 15 REGULATORY INFORMATION

Safety, health and environmental regulations / legislation specific for the substance or mixture

This substance is to be managed using the conditions specified in an applicable Group Standard

HSR Number	Group Standard
HSR002670	Surface Coatings and Colourants (Subsidiary Hazard) Group Standard 2006

3-IODO-2-PROPYNYL BUTYL CARBAMATE(55406-53-6) IS FOUND ON THE FOLLOWING REGULATORY LISTS

New Zealand Hazardous Substances and New Organisms (HSNO) Act - Classification of Chemicals	New Zealand Inventory of Chemicals (NZIoC)
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NAPHTHA, PETROLEUM, HYDRODESULFURISED HEAVY(64742-82-1.) IS FOUND ON THE FOLLOWING REGULATORY LISTS

International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs	New Zealand Inventory of Chemicals (NZIoC)
International Air Transport Association (IATA) Dangerous Goods Regulations - Prohibited List Passenger and Cargo Aircraft	New Zealand Workplace Exposure Standards (WES)
New Zealand Hazardous Substances and New Organisms (HSNO) Act - Classification of Chemicals	

TRIETHYLAMINE(121-44-8) IS FOUND ON THE FOLLOWING REGULATORY LISTS

New Zealand Hazardous Substances and New Organisms (HSNO) Act - Classification of Chemicals	New Zealand Workplace Exposure Standards (WES)
New Zealand Inventory of Chemicals (NZIoC)	

ALCOHOLS C12-14 SECONDARY ETHOXYLATED(84133-50-6) IS FOUND ON THE FOLLOWING REGULATORY LISTS

New Zealand Hazardous Substances and New Organisms (HSNO) Act - Classification of Chemicals	New Zealand Inventory of Chemicals (NZIoC)
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Location Test Certificate

Subject to Regulation 55 of the Hazardous Substances (Classes 1 to 5 Controls) Regulations, a location test certificate is required when quantity greater than or equal to those indicated below are present.

Hazard Class	Quantity beyond which controls apply for closed containers	Quantity beyond which controls apply when use occurring in open containers
Not Applicable	Not Applicable	Not Applicable

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Approved Handler

Subject to Regulation 56 of the Hazardous Substances (Classes 1 to 5 Controls) Regulations and Regulation 9 of the Hazardous Substances (Classes 6, 8, and 9 Controls) Regulations, the substance must be under the personal control of an Approved Handler when present in a quantity greater than or equal to those indicated below.

Class of substance	Quantities
Not Applicable	Not Applicable

Refer Group Standards for further information

National Inventory	Status
Australia - AICS	Y
Canada - DSL	Y
Canada - NDSL	N (alcohols C12-14 secondary ethoxylated; 3-iodo-2-propynyl butyl carbamate; triethylamine; naphtha, petroleum, hydrodesulfurised heavy)
China - IECSC	Y
Europe - EINEC / ELINCS / NLP	N (alcohols C12-14 secondary ethoxylated)
Japan - ENCS	Y
Korea - KECI	Y
New Zealand - NZIoC	Y
Philippines - PICCS	Y
USA - TSCA	Y
Legend:	Y = All ingredients are on the inventory N = Not determined or one or more ingredients are not on the inventory and are not exempt from listing (see specific ingredients in brackets)

SECTION 16 OTHER INFORMATION**Other information****Ingredients with multiple cas numbers**

Name	CAS No
naphtha, petroleum, hydrodesulfurised heavy	101795-02-2., 1030262-12-4., 121448-83-7., 50813-73-5., 54847-97-1., 61789-95-5., 64741-92-0., 64742-48-9., 64742-82-1., 64742-88-7., 64742-89-8., 8002-05-9., 8030-30-6., 8030-31-7., 8031-06-9., 8031-38-7., 8031-39-8., 8032-32-4., 8052-41-3.

Classification of the preparation and its individual components has drawn on official and authoritative sources as well as independent review by the Chemwatch Classification committee using available literature references.

The (M)SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment.

Definitions and abbreviations

PC – TWA: Permissible Concentration-Time Weighted Average
 PC – STEL: Permissible Concentration-Short Term Exposure Limit
 IARC: International Agency for Research on Cancer
 ACGIH: American Conference of Governmental Industrial Hygienists
 STEL: Short Term Exposure Limit
 TEEL: Temporary Emergency Exposure Limit,
 IDLH: Immediately Dangerous to Life or Health Concentrations
 OSF: Odour Safety Factor
 NOAEL :No Observed Adverse Effect Level
 LOAEL: Lowest Observed Adverse Effect Level
 TLV: Threshold Limit Value
 LOD: Limit Of Detection
 OTV: Odour Threshold Value
 BCF: BioConcentration Factors
 BEI: Biological Exposure Index

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