

Safety Data Sheet

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This Safety Data Sheet has been prepared in accordance with the New Zealand, Hazardous Substances (Safety Data Sheets) Notice 2017.

SECTION 1: Identification

1.1. Product identifier

3M[™] Perfect-It[™] Ultrafine Machine Polish, PN 06068, 06069, 06073, 39062 and 3M[™] Perfect-It[™] EX Ultrafine Machine Polish PN 06068, 06069, 06073, 39062, 06097

Product Identification Numbers

60-4550-6942-1

1.2. Recommended use and restrictions on use

Recommended use Automotive., Automotive Polish

For Industrial or Professional use only

1.3. Supplier's details

Address:	3M New Zealand Ltd, 94 Apollo Drive, Rosedale 0632, Auckland
Telephone:	(09) 477 4040
E Mail:	innovation@nz.mmm.com
Website:	3m.co.nz

1.4. Emergency telephone number

24 hr Medical Emergency, National Poisons Centre, 0800 764 766 (0800 POISON)

SECTION 2: Hazard identification

Classified as hazardous in accordance with the relevant criteria of the HSNO Act 1996, the Hazardous Substances (Classification) Notice 2017 and Hazardous Substances (Minimum Degrees of Hazard) Notice 2017. Refer to Section 14 of this Safety Data Sheet for product Dangerous Goods Classification.

2.1. Classification of the substance or mixture

GHS	HSNO		
Chronic Aquatic Toxicity: Category 3	9.1C Aquatic toxicity (chronic)		
Acute Aquatic Toxicity: Category 3	9.1D Aquatic toxicity (acute)		

2.2. Label elements SIGNAL WORD Not applicable.

Symbols:

Not applicable.

HAZARD STATEMENTS: H412

Harmful to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENTS

Disposal:

P501

Dispose of contents/container in accordance with applicable local/regional/national/international regulations.

2.3. Other hazards

Aspiration classification does not apply due to the viscosity of the product. Repeated exposure may cause skin dryness or cracking.

SECTION 3: Composition/information on ingredients

Ingredient	CAS Nbr	% by Weight
Water	7732-18-5	40 - 70
Distillates (petroleum), hydrotreated light	64742-47-8	< 20
Dodecamethylcyclohexasiloxane	540-97-6	5 - 15
Aluminum Oxide (non-fibrous)	1344-28-1	< 10
Solvent dewaxed heavy paraffinic distillate (petroleum)	64742-65-0	1 - 5
Hydrotreated light paraffinic distillates (petroleum)	64742-55-8	< 1.5
Distillates (petroleum), solvent-dewaxed light paraffinic	64742-56-9	< 1.5
1,2-Benzisothiazol-3(2H)-one	2634-33-5	< 0.05

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation

Remove person to fresh air. If you feel unwell, get medical attention.

Skin contact

Wash with soap and water. If signs/symptoms develop, get medical attention.

Eye contact

Flush with large amounts of water. Remove contact lenses if easy to do. Continue rinsing. If signs/symptoms persist, get medical attention.

If swallowed

Rinse mouth. If you feel unwell, get medical attention.

4.2. Most important symptoms and effects, both acute and delayed

See Section 11.1 Information on toxicological effects

4.3. Indication of any immediate medical attention and special treatment required Not applicable

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

In case of fire: Use a dry chemical extinguisher to extinguish.

5.2. Special hazards arising from the substance or mixture None inherent in this product.

Hazardous Decomposition or By-Products

ous Decomposition of Dy frouders	
Substance	<u>Condition</u>
Carbon monoxide.	During combustion.
Carbon dioxide.	During combustion.
Oxides of nitrogen.	During combustion.

5.3. Special protective actions for fire-fighters

Wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus, bunker coat and pants, bands around arms, waist and legs, face mask, and protective covering for exposed areas of the head.

5.4. Hazchem code: Not applicable.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Ventilate the area with fresh air. Refer to other sections of this SDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment.

6.2. Environmental precautions

Avoid release to the environment. For larger spills, cover drains and build dykes to prevent entry into sewer systems or bodies of water.

6.3. Methods and material for containment and cleaning up

Contain spill. Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Remember, adding an absorbent material does not remove a physical, health, or environmental hazard. Collect as much of the spilled material as possible. Place in a closed container approved for transportation by appropriate authorities. Seal the container. Dispose of collected material as soon as possible in accordance with applicable local/regional/national/international regulations.

SECTION 7: Handling and storage

Refer to Section 15 - Controls for more information

7.1. Precautions for safe handling

Avoid eye contact. Keep out of reach of children. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Avoid release to the environment. Avoid contact with oxidising agents (eg. chlorine, chromic acid etc.)

7.2. Conditions for safe storage including any incompatibilities

Store away from acids. Store away from oxidising agents.

7.3. Certified handler

Not required

SECTION 8: Exposure controls/personal protection

3MTM Perfect-ItTM Ultrafine Machine Polish, PN 06068, 06069, 06073, 39062 and 3MTM Perfect-ItTM EX Ultrafine Machine Polish PN 06068, 06069, 06073, 39062, 06097

8.1 Control parameters

Occupational exposure limits

If a component is disclosed in section 3 but does not appear in the table below, an occupational exposure limit is not available for the component.

Ingredient	CAS Nbr	Agency	Limit type	Additional comments
Aluminum Oxide (non-fibrous)	1344-28-1	New Zealand WES	TWA(8 hours):10 mg/m3	
Aluminum, insoluble compounds	1344-28-1	ACGIH	TWA(respirable fraction):1 mg/m3	A4: Not class. as human carcinogin
Kerosine (petroleum)	64742-47-8	ACGIH	TWA(as total hydrocarbon vapor, non-aerosol):200 mg/m3	A3: Confirmed animal carcin., SKIN
Paraffin oil	64742-55-8	New Zealand WES	TWA(as mist)(8 hours):5 mg/m3;STEL(as mist)(15 minutes):10 mg/m3	
Mineral oils (untreated and mildly treated)	64742-55-8	ACGIH	Limit value not established:	A2: Suspected human carcin., Cntrl all exposr- low as possib
Mineral oils (untreated and mildly treated)	64742-56-9	ACGIH	Limit value not established:	A2: Suspected human carcin., Cntrl all exposr- low as possib
Mineral oils, highly-refined oils	64742-56-9	ACGIH	TWA(inhalable fraction):5 mg/m3	A4: Not class. as human carcinogin
Paraffin oil	64742-56-9	New Zealand WES	TWA(as mist)(8 hours):5 mg/m3;STEL(as mist)(15 minutes):10 mg/m3	-
Paraffin oil	64742-65-0	New Zealand WES	TWA(as mist)(8 hours):5 mg/m3;STEL(as mist)(15 minutes):10 mg/m3	

ACGIH : American Conference of Governmental Industrial Hygienists

AIHA : American Industrial Hygiene Association

CMRG : Chemical Manufacturer's Recommended Guidelines

New Zealand WES : New Zealand Workplace Exposure Standards. TWA: Time-Weighted-Average

STEL: Short Term Exposure Limit

ppm: parts per million mg/m³: milligrams per cubic metre

CEIL: Ceiling

8.2. Exposure controls

8.2.1. Engineering controls

Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below relevant Exposure Limits and/or control dust/fume/gas/mist/vapours/spray. If ventilation is not adequate, use respiratory protection equipment.

8.2.2. Personal protective equipment (PPE)

Eye/face protection

Select and use eye/face protection to prevent contact based on the results of an exposure assessment. The following eye/face protection(s) are recommended:

Safety glasses with side shields.

Refer AS/NZS 1336 - Recommended practices for occupational eye protection and for performance specifications AS/NZS 1337, Parts 1 - 6 - Personal eye-protection.

Skin/hand protection

Select and use gloves and/or protective clothing approved to relevant local standards to prevent skin contact based on the results of an exposure assessment. Selection should be based on use factors such as exposure levels, concentration of the substance or mixture, frequency and duration, physical challenges such as temperature extremes, and other use conditions. Consult with your glove and/or protective clothing manufacturer for selection of appropriate compatible gloves/protective clothing. Note: Nitrile gloves may be worn over polymer laminate gloves to improve dexterity. Gloves made from the following material(s) are recommended: Polymer laminate

Respiratory protection

An exposure assessment may be needed to decide if a respirator is required. If a respirator is needed, use respirators as part of a full respiratory protection program. Based on the results of the exposure assessment, select from the following respirator type(s) to reduce inhalation exposure:

Half facepiece or full facepiece air-purifying respirator suitable for organic vapors and particulates

For questions about suitability for a specific application, consult with your respirator manufacturer.

Refer AS/NZS 1715 - Selection, use and maintenance of respiratory protective equipment and AS/NZS 1716 - Respiratory protective devices.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

ColourBlueOdourSolventOdour thresholdNo data available.pH7.5 - 8.5Melting point/Freezing pointNo data available.Boiling point/Initial boiling point/Boiling range100 °CFlash pointFlash point > 93 °C (200 °F) [<i>Test Method</i> :Closed Cup]Evaporation rateNo data available.Flammability (solid, gas)Not applicable.Flammable Limits(LEL)No data available.Flammable Limits(UEL)No data available.Vapour pressure2,399.8 PaVapour density0.92 - 0.93 [<i>Ref Std</i> :WATER=1]Water solubilityNo data available.Solubility- non-waterNo data available.Partition coefficient: n-octanol/waterNo data available.Autoignition temperatureNo data available.Viscosity10,000 - 13,000 mPa-sMolecular weightNo1 applicable.	Physical state	Liquid.
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Valatile encodes a company de (VOC) 0.10 which the decolorization of CADD title 21	Molecular weight	Not applicable.
volatile organic compounds (vOC) 0.1 % weight [<i>Test Method</i> :calculated per CARB title 2]	Volatile organic compounds (VOC)	0.1 % weight [<i>Test Method</i> :calculated per CARB title 2]
Percent volatile 74.6 % weight [<i>Test Method</i> :Estimated]	Percent volatile	74.6 % weight [<i>Test Method</i> :Estimated]
VOC less H2O & exempt solvents 316 g/l [<i>Test Method</i> :calculated SCAQMD rule 443.1]	VOC less H2O & exempt solvents	316 g/l [Test Method:calculated SCAQMD rule 443.1]

SECTION 10: Stability and reactivity

10.1 Reactivity

This material may be reactive with certain agents under certain conditions - see the remaining headings in this section

10.2 Chemical stability

Stable.

10.3 Possibility of hazardous reactions Hazardous polymerisation will not occur.

10.4 Conditions to avoid Sparks and/or flames.

10.5 Incompatible materials Strong acids. Strong oxidising agents.

10.6 Hazardous decomposition products Substance

Condition

None known.

Refer to Section 5.2 for hazardous decomposition products during combustion.

SECTION 11: Toxicological information

The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. In addition, toxicological data on ingredients may not be reflected in the material classification and/or the signs and symptoms of exposure, because an ingredient may be present below the threshold for labelling, an ingredient may not be available for exposure, or the data may not be relevant to the material as a whole.

11.1 Information on Toxicological effects

Signs and Symptoms of Exposure

Based on test data and/or information on the components, this material may produce the following health effects:

Inhalation

Dust from cutting, grinding, sanding or machining may cause irritation of the respiratory system: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, nose and throat pain.

Skin contact

Dermal Defatting: Signs/symptoms may include localised redness, itching, drying and cracking of skin.

Eye contact

Dust created by cutting, grinding, sanding, or machining may cause eye irritation: Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

Ingestion

Gastrointestinal irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhoea.

Toxicological Data

If a component is disclosed in section 3 but does not appear in a table below, either no data are available for that endpoint or the data are not sufficient for classification.

Acute Toxicity

Name	Route	Species	Value
Overall product	Dermal		No data available; calculated ATE >5,000 mg/kg

Overall product	Ingestion		No data available; calculated ATE >5,000 mg/kg
Distillates (petroleum), hydrotreated light	Inhalation- Vapor	Professio nal judgeme	LC50 estimated to be 20 - 50 mg/l
Distillates (petroleum), hydrotreated light	Dermal	Rabbit	LD50 > 5,000 mg/kg
Dodecamethylcyclohexasiloxane	Dermal	Rat	LD50 > 2,000 mg/kg
Dodecamethylcyclohexasiloxane	Ingestion	Rat	LD50 > 50,000 mg/kg
Distillates (petroleum), hydrotreated light	Ingestion	Rat	LD50 > 5,000 mg/kg
Aluminum Oxide (non-fibrous)	Dermal		LD50 estimated to be > 5,000 mg/kg
Aluminum Oxide (non-fibrous)	Inhalation- Dust/Mist (4 hours)	Rat	LC50 > 2.3 mg/l
Aluminum Oxide (non-fibrous)	Ingestion	Rat	LD50 > 5,000 mg/kg
Solvent dewaxed heavy paraffinic distillate (petroleum)	Dermal	Rabbit	LD50 > 5,000 mg/kg
Solvent dewaxed heavy paraffinic distillate (petroleum)	Inhalation- Dust/Mist (4 hours)	Rat	LC50 > 4 mg/l
Solvent dewaxed heavy paraffinic distillate (petroleum)	Ingestion	Rat	LD50 > 5,000 mg/kg
Distillates (petroleum), solvent-dewaxed light paraffinic	Dermal	Rabbit	LD50 > 5,000 mg/kg
Distillates (petroleum), solvent-dewaxed light paraffinic	Inhalation- Dust/Mist (4 hours)	Rat	LC50 > 4 mg/l
Distillates (petroleum), solvent-dewaxed light paraffinic	Ingestion	Rat	LD50 > 5,000 mg/kg
1,2-Benzisothiazol-3(2H)-one	Dermal	Rat	LD50 > 2,000 mg/kg
1,2-Benzisothiazol-3(2H)-one	Ingestion	Rat	LD50 454 mg/kg

ATE = acute toxicity estimate

Skin Corrosion/Irritation

Name	Species	Value
Dodecamethylcyclohexasiloxane	Rabbit	No significant irritation
Distillates (petroleum), hydrotreated light	Rabbit	Minimal irritation
Aluminum Oxide (non-fibrous)	Rabbit	No significant irritation
Distillates (petroleum), solvent-dewaxed light paraffinic	Rabbit	Minimal irritation
1,2-Benzisothiazol-3(2H)-one	Rabbit	No significant irritation

Serious Eye Damage/Irritation

Name	Species	Value
Dodecamethylcyclohexasiloxane	Rabbit	No significant irritation
Distillates (petroleum), hydrotreated light	Rabbit	Mild irritant
Aluminum Oxide (non-fibrous)	Rabbit	No significant irritation
Distillates (petroleum), solvent-dewaxed light paraffinic	Rabbit	No significant irritation
1,2-Benzisothiazol-3(2H)-one	Rabbit	Corrosive

Skin Sensitisation

Name	Species	Value
Distillates (petroleum), hydrotreated light	Guinea	Not classified
	pig	
Distillates (petroleum), solvent-dewaxed light paraffinic	Guinea	Not classified
	pig	
1,2-Benzisothiazol-3(2H)-one	Guinea	Sensitising
	nig	

Respiratory Sensitisation

For the component/components, either no data are currently available or the data are not sufficient for classification.

Germ Cell Mutagenicity

Name	Route	Value

Distillates (petroleum), hydrotreated light	In Vitro	Not mutagenic
Distillates (petroleum), hydrotreated light	In vivo	Not mutagenic
Aluminum Oxide (non-fibrous)	In Vitro	Not mutagenic
Distillates (petroleum), solvent-dewaxed light paraffinic	In vivo	Not mutagenic
Distillates (petroleum), solvent-dewaxed light paraffinic	In Vitro	Some positive data exist, but the data are not
		sufficient for classification
1,2-Benzisothiazol-3(2H)-one	In vivo	Not mutagenic
1,2-Benzisothiazol-3(2H)-one	In Vitro	Some positive data exist, but the data are not
		sufficient for classification

Carcinogenicity

Name	Route	Species	Value
Distillates (petroleum), hydrotreated light	Not	Not	Not carcinogenic
	specified.	available	
Aluminum Oxide (non-fibrous)	Inhalation	Rat	Not carcinogenic
Distillates (petroleum), solvent-dewaxed light paraffinic	Dermal	Mouse	Some positive data exist, but the data are not
			sufficient for classification

Reproductive Toxicity

Reproductive and/or Developmental Effects

Name	Route	Value	Species	Test result	Exposure Duration
Dodecamethylcyclohexasiloxane	Ingestion	Not classified for female reproduction	Rat	NOAEL 1,000 mg/kg/day	premating & during gestation
Dodecamethylcyclohexasiloxane	Ingestion	Not classified for male reproduction	Rat	NOAEL 1,000 mg/kg/day	28 days
Dodecamethylcyclohexasiloxane	Ingestion	Not classified for development	Rat	NOAEL 1,000 mg/kg/day	premating & during gestation
Distillates (petroleum), hydrotreated light	Not specified.	Not classified for female reproduction	Rat	NOAEL Not available	1 generation
Distillates (petroleum), hydrotreated light	Not specified.	Not classified for male reproduction	Rat	NOAEL Not available	28 days
Distillates (petroleum), hydrotreated light	Not specified.	Not classified for development	Rat	NOAEL Not available	during gestation
1,2-Benzisothiazol-3(2H)-one	Ingestion	Not classified for female reproduction	Rat	NOAEL 112 mg/kg/day	2 generation
1,2-Benzisothiazol-3(2H)-one	Ingestion	Not classified for male reproduction	Rat	NOAEL 112 mg/kg/day	2 generation
1,2-Benzisothiazol-3(2H)-one	Ingestion	Not classified for development	Rat	NOAEL 112 mg/kg/day	2 generation

Target Organ(s)

Specific Target Organ Toxicity - single exposure

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure
						Duration
1,2-Benzisothiazol-3(2H)-	Inhalation	respiratory irritation	Some positive data exist, but the	similar	NOAEL Not	
one			data are not sufficient for	health	available	
			classification	hazards		

Specific Target Organ Toxicity - repeated exposure

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure
						Duration
Dodecamethylcyclohexasil	Ingestion	endocrine system	Not classified	Rat	NOAEL	28 days
oxane		liver respiratory			1,000	
		system nervous			mg/kg/day	
		system				
Aluminum Oxide (non-	Inhalation	pneumoconiosis	Some positive data exist, but the	Human	NOAEL Not	occupational
fibrous)		-	data are not sufficient for		available	exposure

			classification			
Aluminum Oxide (non-	Inhalation	pulmonary fibrosis	Not classified	Human	NOAEL Not	occupational
fibrous)					available	exposure
Distillates (petroleum),	Dermal	hematopoietic	Not classified	Rabbit	NOAEL	3 weeks
solvent-dewaxed light		system liver			5,000	
paraffinic		kidney and/or			mg/kg/day	
		bladder				
1,2-Benzisothiazol-3(2H)-	Ingestion	liver hematopoietic	Not classified	Rat	NOAEL 322	90 days
one		system eyes			mg/kg/day	
		kidney and/or				
		bladder respiratory				
		system				
1,2-Benzisothiazol-3(2H)-	Ingestion	heart endocrine	Not classified	Rat	NOAEL 150	28 days
one		system nervous			mg/kg/day	
		system				

Aspiration Hazard

Name	Value
Distillates (petroleum), hydrotreated light	Aspiration hazard
Distillates (petroleum), solvent-dewaxed light paraffinic	Aspiration hazard

Please contact the address or phone number listed on the first page of the SDS for additional toxicological information on this material and/or its components.

SECTION 12: Ecological information

The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. Additional information leading to material classification in Section 2 is available upon request. In addition, environmental fate and effects data on ingredients may not be reflected in this section because an ingredient is present below the threshold for labelling, an ingredient is not expected to be available for exposure, or the data is considered not relevant to the material as a whole.

12.1. Toxicity

Ecotoxic to the aquatic environment.

Acute Aquatic Toxicity: Category 3 (HSNO 9.1D Aquatic toxicity) Chronic Aquatic Toxicity: Category 3 (HSNO 9.1C Aquatic toxicity)

No product test data available.

Material	CAS Number	Organism	Туре	Exposure	Test endpoint	Test result
Distillates (petroleum), hydrotreated light	64742-47-8	Crustecea other	Estimated	48 hours	Lethal Level 50%	>10,000 mg/l
Distillates (petroleum), hydrotreated light	64742-47-8	Green Algae	Estimated	72 hours	Effect Level 50%	>1,000 mg/l
Distillates (petroleum), hydrotreated light	64742-47-8	Rainbow trout	Estimated	96 hours	Lethal Level 50%	>88,444 mg/l
Distillates (petroleum), hydrotreated light	64742-47-8	Water flea	Estimated	48 hours	Effect Level 50%	>1,000 mg/l
Distillates (petroleum),	64742-47-8	Green Algae	Estimated	72 hours	No obs Effect Level	1,000 mg/l

hydrotreated						
Distillates	64742-47-8	Water flea	Estimated	21 days	No obs Effect	1 mg/l
(petroleum),	01712170	Water fieu	Estimated	21 duy5	Level	1 mg/1
hydrotreated						
light						
Dodecamethylc	540-97-6	Green algae	Experimental	72 hours	EC50	>100 mg/l
yclohexasiloxa			_			
ne						
Dodecamethylc	540-97-6	Fathead	Experimental	49 days	NOEC	>100 mg/l
yclohexasiloxa		minnow				
ne						
Dodecamethylc	540-97-6	Green algae	Experimental	72 hours	NOEC	>100 mg/l
yclohexasıloxa						
ne De de serre etherde	540.07.6	Watan flag	E-m anim antal	21 dana	NOEC	> 100 m c/l
Dodecamethylc	540-97-0	water nea	Experimental	21 days	NUEC	>100 mg/1
ycioliexasiloxa						
Aluminum	1344-28-1		Experimental	96 hours	L C 50	>100 mg/l
Oxide (non-	1511201		Experimental	50 110015	2000	· 100 mg/1
fibrous)						
Aluminum	1344-28-1	Green algae	Experimental	72 hours	EC50	>100 mg/l
Oxide (non-			1			
fibrous)						
Aluminum	1344-28-1	Water flea	Experimental	48 hours	LC50	>100 mg/l
Oxide (non-						
fibrous)						
Aluminum	1344-28-1	Green algae	Experimental	72 hours	NOEC	>100 mg/l
Oxide (non-						
fibrous)					D.G.S.	100 //
Solvent	64742-65-0	Green algae	Estimated	96 hours	EC50	>100 mg/l
dewaxed heavy						
distillate						
(petroleum)						
Solvent	64742-65-0	Water flea	Estimated	48 hours	EC50	>100 mg/l
dewaxed heavy						
paraffinic						
distillate						
(petroleum)						
Solvent	64742-65-0	Rainbow trout	Experimental	96 hours	LC50	>100 mg/l
dewaxed heavy						
paraffinic						
distillate						
(peutoieum)	64742 65 0	Water flee	Exporimontal	21 days	NOEC	100 mg/l
dewaxed heavy	04/42-03-0	water nea	Experimental	21 uays	NUEC	100 1119/1
naraffinic						
distillate						
(petroleum)						
Hydrotreated	64742-55-8	Fathead	Estimated	96 hours	Lethal Level	>100 mg/l
light paraffinic		minnow			50%	
distillates						
(petroleum)						
Hydrotreated	64742-55-8	Water flea	Estimated	48 hours	Effect Level	>100 mg/l

light paraffinic					50%	
distillates					2070	
(notroloum)						
(peuoleum)	64740 55 0			70.1		100 /1
Hydrotreated	64742-55-8	Green Algae	Estimated	72 hours	No obs Effect	100 mg/l
light paraffinic					Level	
distillates						
(petroleum)						
Hydrotreated	64742-55-8	Water flea	Estimated	21 days	NOEC	10 mg/l
light paraffinic	0.7.12.00.0		2000000	_ 1 u uj 5	11020	1 °g, 1
distillates						
(in stars 1 server)						
(petroleum)						
Distillates	64742-56-9	Fathead	Estimated	96 hours	Lethal Level	>100 mg/l
(petroleum),		minnow			50%	
solvent-						
dewaxed light						
paraffinic						
Distillates	61712-56-9	Green algae	Estimated	72 hours	Effect Level	>100 mg/l
(netroleum)	0-7-2-30-9	Green argae	Lounated	/2 110013	50%	- 100 mg/1
(peubleum),					30%	
solvent-						
dewaxed light						
paraffinic						
Distillates	64742-56-9	Water flea	Estimated	48 hours	Effect Level	>100 mg/l
(petroleum),					50%	-
solvent-						
dewayed light						
noroffinio						
	(1710 56 0	C 1		70.1		> 100 //
Distillates	64/42-56-9	Green algae	Estimated	/2 hours	No obs Effect	>100 mg/1
(petroleum),					Level	
solvent-						
dewaxed light						
paraffinic						
Distillates	64742-56-9	Water flea	Estimated	21 days	No obs Effect	>100 mg/l
(netroleum)	0.11.2009		2000000	_ 1 u u y s	I evel	100 mg/1
(petroleum),						
downers d light						
dewaxed light						
paraffinic			1			
1,2-	2634-33-5	Green algae	Experimental	72 hours	EC50	0.11 mg/l
Benzisothiazol-						
3(2H)-one						
1 2-	2634-33-5	Pacific ovster	Experimental	48 hours	EC50	0.062 mg/l
Benzisothiazol-	2031355		Emperimentai	10 nouis	Less	0.002 mg/1
2(2U) on 2						
1.2	2624.22.5	D 1		0(1	1.050	
1,2-	2634-33-5	Rainbow trout	Experimental	96 hours	ILC50	1.6 mg/l
Benzisothiazol-						
3(2H)-one						
1,2-	2634-33-5	Water flea	Experimental	48 hours	EC50	2.9 mg/l
Benzisothiazol-						
3(2H)-one						
1.2	2624 22 5	Graan alaga	Exporimental	72 hours	NOEC	0.0403 mg/l
1,2- Dam-ia a 41-ia - 1	2034-33-3	Green algae	Experimental	12 nours	NUEC	0.0403 mg/1
Benzisothiazol-						
3(2H)-one						

12.2. Persistence and degradability

Material	CAS Number	Test type	Duration	Study Type	Test result	Protocol

Distillates	64742-47-8	Estimated	28 days	BOD	22 %	OECD 301F -
(petroleum),		Biodegradation		202	BOD/ThBOD	Manometric
light						respirometry
Dodecamethylc	540-97-6	Experimental	28 days	CO2 evolution	4.47 % weight	OECD 310 CO2
yclohexasiloxa		Biodegradation				Headspace
Aluminum	1344-28-1	Data not			N/A	
Oxide (non-		availbl-				
fibrous)		insufficient				
Solvent	64742-65-0	Experimental	28 days	CO2 evolution	23 % weight	Other methods
dewaxed heavy		Biodegradation				
distillate						
(petroleum)						
Hydrotreated	64742-55-8	Estimated	28 days	CO2 evolution	22 %CO2	OECD 301B - Modified
light paraffinic		Biodegradation	-		evolution/THC	sturm or CO2
distillates					O2 evolution	
(petroleum)						
Distillates	64742-56-9	Estimated	28 days	BOD	31 % weight	OECD 301F -
(petroleum),		Aquatic				Manometric
solvent-		Biodegrad				respirometry
dewaxed light		Aerobic				
paraffinic						
1,2-	2634-33-5	Experimental	28 days	BOD	0 %	OECD 301C - MITI
Benzisothiazol-		Biodegradation			BOD/ThBOD	test (I)
3(2H)-one						

12.3 : Bioaccumulative potential

Material	CAS Number	Test type	Duration	Study Type	Test result	Protocol
Distillates	64742-47-8	Data not	N/A	N/A	N/A	N/A
(petroleum),		available or				
hydrotreated		insufficient for				
light		classification				
Dodecamethylc	540-97-6	Experimental	49 days	Bioaccumulatio	1160	OECD 305E -
yclohexasiloxa		BCF - Fathead		n factor		Bioaccumulation flow-
ne		Mi				through fish test
Aluminum	1344-28-1	Data not	N/A	N/A	N/A	N/A
Oxide (non-		available or				
fibrous)		insufficient for				
		classification				
Solvent	64742-65-0	Data not	N/A	N/A	N/A	N/A
dewaxed heavy		available or				
paraffinic		insufficient for				
distillate		classification				
(petroleum)						
Hydrotreated	64742-55-8	Data not	N/A	N/A	N/A	N/A
light paraffinic		available or				
distillates		insufficient for				
(petroleum)		classification				
Distillates	64742-56-9	Data not	N/A	N/A	N/A	N/A
(petroleum),		available or				
solvent-		insufficient for				
dewaxed light		classification				

paraffinic						
1,2- Dengiaethiogol	2634-33-5	Experimental	56 days	Bioaccumulatio	6.62	
3(2H)-one		DCF - Diuegili		n nactor		

12.4. Mobility in soil

Please contact manufacturer for more details

12.5 Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Disposal methods

In accordance with the Hazardous Substances (Disposal) Notice 2017 and the relevant criteria of the HSNO Act 1996.

Dispose of waste product in a permitted industrial waste facility. As a disposal alternative, incinerate in a permitted waste incineration facility. Proper destruction may require the use of additional fuel during incineration processes. Empty drums/barrels/containers used for transporting and handling hazardous chemicals (chemical substances/mixtures/preparations classified as Hazardous as per applicable regulations) shall be considered, stored, treated & disposed of as hazardous wastes unless otherwise defined by applicable waste regulations. Consult with the respective regulating authorities to determine the available treatment and disposal facilities.

Packaging (that may or may not contain any residual substance) may be lawfully disposed of by householders or other consumers through public or commercial waste collection services.

SECTION 14: Transport Information

New Zealand Land Transport Rule: Dangerous Goods - Road/Rail Transport UN No.: Not applicable. Proper Shipping Name: Not applicable. Class/Division: Not applicable. Sub Risk: Not applicable. Packing Group: Not applicable.

Hazchem Code: Not applicable. IERG: Not applicable.

International Air Transport Association (IATA) - Air Transport UN No.: Not applicable. Proper Shipping Name: Not applicable. Class/Division: Not applicable. Sub Risk: Not applicable. Packing Group: Not applicable.

International Maritime Dangerous Goods Code (IMDG) - Marine Transport UN No.: Not applicable. Proper Shipping Name: Not applicable. Class/Division: Not applicable. Sub Risk: Not applicable. Packing Group: Not applicable. Marine Pollutant: Not applicable.

SECTION 15: Regulatory information

HSNO Approval numberHSR002670Group standard nameSurface Coatings and Colourants (Subsidiary Hazard) Group Standard 2017HSNO Hazard classificationRefer to Section 2: Hazard identification

NZ Inventory of Chemicals (NZIoC) Status

All applicable chemical ingredients in this material are in compliance with NZIoC listing requirements.

Controls in accordance with the Heal	Ith and Safety at Work (Hazardous Substances) Regulations 2017
Certified handler	Not required
Location Compliance Certificate	Not required
Hazardous atmosphere zone	Not required
Fire extinguishers	Not required
Emergency response plan	1,000 L or 1,000 kg (for a HSNO 6.1D, 6.5A, 6.5B, 9.1B or 9.1C substance); or 10,000 L or 10,000 kg (for a HSNO 6.6A, 6.8A, 6.9A, 8.3A, 9.1D substance)
Secondary containment	1,000 L or 1,000 kg (for a HSNO 6.1D, 6.5A, 6.5B, 9.1B or 9.1C substance); or 10,000 L or 10,000 kg (for a HSNO 6.6A, 6.8A, 6.9A, 8.3A, 9.1D substance)
Tracking	Not required
Warning signage	1,000 L or 1,000 kg (for a HSNO 8.3A, 9.1B or 9.1C substance); or 10,000 L or 10,000 kg (for a HSNO 6.1D or 9.1D substance)

SECTION 16: Other information

Revision information:

Complete document review.

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Key to abbreviations and acronyms

GHS means the Globally Harmonised System of Classification and Labelling of Chemicals, 5th revised edition 2013 **HSNO** means Hazardous Substances and New Organisms Act 1996

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