Safety Data Sheet

This Safety Data Sheet has been prepared in accordance with the Minister of Industry Decree No. 23/M-IND/PER/4/2013 and GHS Classification 4th Edition.

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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

LB-K100-1767-7	60-4550-6942-1	60-4550-6944-7	60-4550-8481-8	60-4551-0165-3
60-4551-0166-1	60-4551-0305-5	JC-1700-2195-3	JC-1700-2204-3	UU-0080-2115-4
UU-0097-3544-8				

1.2. Recommended use and restrictions on use

Recommended use

Automotive, Automotive Polish

1.3. Supplier's details

ADDRESS: PT 3M Indonesia , Perkantoran Hijau Arkadia, Menara F, Lt. 8. Jl. TB. Simatupang Kav. 88, Jakarta Selatan, 12520, Indonesia
Telephone: +6221-29974000
Website: https://www.3m.co.id/3M/en_ID/company-id/

1.4. Emergency telephone number

(021)29974000

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Skin Corrosion/Irritation: Category 3.
Acute Aquatic Toxicity: Category 3.
Chronic Aquatic Toxicity: Category 3.

2.2. Label elements

Signal word

Warning

Symbols

Not applicable

Pictograms
Not applicable

HAZARD STATEMENTS:

H316	Causes mild skin irritation.
H412	Harmful to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENTS
General:

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.

Response:

P332 + P313	If skin irritation occurs: Get medical advice.

Disposal:

P501	Dispose of contents and container in accordance with applicable local, regional, national, and international regulations.

2.3. Other hazards
Aspiration classification does not apply due to the viscosity of the product.

SECTION 3: Composition/information on ingredients

This material is a mixture.

Ingredient	C.A.S. No.	% by Wt
Water	7732-18-5	40 - 80
HYDROTREATED LIGHT PETROLEUM DISTILLATES	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
SOLVENT DEWAXED LIGHT PARAFFINIC DISTILLATES (PETROLEUM)	64742-56-9	< 1.5
Hydrotreated light paraffinic distillates (petroleum)	64742-55-8	< 1.5

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
No critical symptoms or effects. 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

Substance	Condition
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.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
Use personal protective equipment based on the results of an exposure assessment. Refer to Section 8 for PPE recommendations. If anticipated exposure resulting from an accidental release exceeds the protective capabilities of the PPE listed in Section 8, or are unknown, select PPE that offers an appropriate level of protection. Consider the physical and chemical hazards of the material when doing so. Examples of PPE ensembles for emergency response could include wearing bunker gear for a release of flammable material; wearing chemical protective clothing if the spilled material is a corrosive, a sensitizer, a significant dermal irritant, or can be absorbed through the skin; or donning a positive pressure supplied-air respirator for chemicals with inhalation hazards. For information regarding physical and health hazards, refer to sections 2 and 11 of the SDS. Evacuate area. Ventilate the area with fresh air. Observe precautions from other sections.

6.2. Environmental precautions
Avoid release to the environment. For larger spills, cover drains and build dikes 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. Clean up residue with an appropriate solvent selected by a qualified and authorized person. Ventilate the area with fresh air. Read and follow safety precautions on the solvent label and SDS. 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

7.1. Precautions for safe handling

Avoid breathing of dust created by cutting, sanding, grinding or machining. 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 oxidizing agents (eg. chlorine, chromic acid etc.)

7.2. Conditions for safe storage including any incompatibilities

Store away from acids. Store away from oxidizing agents.

SECTION 8: Exposure controls/personal protection

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	C.A.S. No.	Agency	Limit type	Additional Comments
Aluminum Oxide (non-fibrous)	1344-28-1	Indonesia OELs	TWA(Total inhalable dust)(8 hours):10 mg/m3;TWA(inhalable particulates)(8 hours):10 mg/m3;TWA(8 hours):10 mg/m3	
Aluminum, insoluble compounds	1344-28-1	ACGIH	TWA(respirable fraction):1 mg/m3	A4: Not class. as human carcin
Kerosine (petroleum)	64742-47-8	ACGIH	TWA(as total hydrocarbon vapor, non-aerosol):200 mg/m3	A3: Confirmed animal carcin., SKIN
OIL MIST, MINERAL	64742-55-8	Indonesia OELs	TWA(as mist)(8 hours):5 mg/m3;STEL(as mist)(15 minutes):10 mg/m3	
MINERAL OILS, HIGHLY-REFINED OILS	64742-56-9	ACGIH	TWA(inhalable fraction):5 mg/m3	A4: Not class. as human carcin
OIL MIST, MINERAL	64742-56-9	Indonesia OELs	TWA(as mist)(8 hours):5 mg/m3;STEL(as mist)(15 minutes):10 mg/m3	
OIL MIST, MINERAL	64742-65-0	Indonesia OELs	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
Indonesia OELs : Indonesia. Minister of Manpower and Transmigration Decree No. 13/MEN/X/2011 concerning Threshold Values, Chemical and Physical Factors in the Workplace.
TWA: Time-Weighted-Average
STEL: Short Term Exposure Limit
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/vapors/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

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.
Gloves made from the following material(s) are recommended: Nitrile Rubber

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.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid
Color	Blue
Odor	Mild Solvent
Odor threshold	*No Data Available*
pH	7.5 - 8.5
Melting point/Freezing point	*No Data Available*
Boiling point/Initial boiling point/Boiling range	100 ºC
Flash Point	Flash point > 93 °C (200 °F) [*Test Method:*Closed Cup]
Evaporation rate	*No Data Available*
Flammability	Not Applicable
Flammable Limits(LEL)	*No Data Available*
Flammable Limits(UEL)	*No Data Available*
Vapor Pressure	2,399.8 Pa
Relative Vapor Density	*No Data Available*
Density	0.92 - 0.93 g/ml
Relative Density	0.92 - 0.93 [*Ref Std:*WATER=1]
Water solubility	*No Data Available*
Solubility- non-water	*No Data Available*
Partition coefficient: n-octanol/ water	*No Data Available*
Autoignition temperature	*No Data Available*
Decomposition temperature	*No Data Available*
Kinematic Viscosity	14,054 mm2/sec
Volatile Organic Compounds	0.1 % weight [*Test Method:*calculated per CARB title 2]
Percent volatile	74.6 % weight [*Test Method:*Estimated]
VOC Less H2O & Exempt Solvents	316 g/l [*Test Method:*calculated SCAQMD rule 443.1]
Molecular weight	*Not Applicable*

Particle Characteristics	*Not Applicable*

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 polymerization will not occur.

10.4. Conditions to avoid
Sparks and/or flames

10.5. Incompatible materials
Strong acids
Strong oxidizing 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 labeling, 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, and nose and throat pain.

Skin Contact:
Mild Skin Irritation: Signs/symptoms may include localized redness, swelling, itching, and dryness.

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 diarrhea.

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	Ingestion		No data available; calculated ATE >5,000 mg/kg
Dodecamethylcyclohexasiloxane	Dermal	Rat	LD50 > 2,000 mg/kg
Dodecamethylcyclohexasiloxane	Ingestion	Rat	LD50 > 2,000 mg/kg
HYDROTREATED LIGHT PETROLEUM DISTILLATES	Inhalation-Dust/Mist (4 hours)	Rat	LC50 > 5.4 mg/l
HYDROTREATED LIGHT PETROLEUM DISTILLATES	Dermal	similar compounds	LD50 > 5,000 mg/kg
HYDROTREATED LIGHT PETROLEUM DISTILLATES	Ingestion	similar compounds	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)	Ingestion	Rat	LD50 > 5,000 mg/kg
Solvent dewaxed heavy paraffinic distillate (petroleum)	Inhalation-Dust/Mist (4 hours)	similar compounds	LC50 > 4 mg/l
SOLVENT DEWAXED LIGHT PARAFFINIC DISTILLATES (PETROLEUM)	Dermal	Rabbit	LD50 > 5,000 mg/kg
SOLVENT DEWAXED LIGHT PARAFFINIC DISTILLATES (PETROLEUM)	Inhalation-Dust/Mist (4 hours)	Rat	LC50 > 4 mg/l
SOLVENT DEWAXED LIGHT PARAFFINIC DISTILLATES (PETROLEUM)	Ingestion	Rat	LD50 > 5,000 mg/kg
Hydrotreated light paraffinic distillates (petroleum)	Dermal	similar compounds	LD50 > 2,000 mg/kg
Hydrotreated light paraffinic distillates (petroleum)	Inhalation-Dust/Mist (4 hours)	similar compounds	LC50 > 5.53 mg/l
Hydrotreated light paraffinic distillates (petroleum)	Ingestion	similar compounds	LD50 > 5,000 mg/kg

ATE = acute toxicity estimate

Skin Corrosion/Irritation

Name	Species	Value
Dodecamethylcyclohexasiloxane	Rabbit	No significant irritation
HYDROTREATED LIGHT PETROLEUM DISTILLATES	similar compounds	Mild irritant
Aluminum Oxide (non-fibrous)	Rabbit	No significant irritation
Solvent dewaxed heavy paraffinic distillate (petroleum)	Rabbit	No significant irritation
Hydrotreated light paraffinic distillates (petroleum)	similar compounds	No significant irritation
SOLVENT DEWAXED LIGHT PARAFFINIC DISTILLATES (PETROLEUM)	Rabbit	Minimal irritation

Serious Eye Damage/Irritation

Name	Species	Value
Dodecamethylcyclohexasiloxane	Rabbit	No significant irritation

HYDROTREATED LIGHT PETROLEUM DISTILLATES	similar compounds	No significant irritation
Aluminum Oxide (non-fibrous)	Rabbit	No significant irritation
Solvent dewaxed heavy paraffinic distillate (petroleum)	Rabbit	No significant irritation
Hydrotreated light paraffinic distillates (petroleum)	similar compounds	No significant irritation
SOLVENT DEWAXED LIGHT PARAFFINIC DISTILLATES (PETROLEUM)	Rabbit	No significant irritation

Sensitization:

Skin Sensitization

Name	Species	Value
Dodecamethylcyclohexasiloxane	Guinea pig	Not classified
HYDROTREATED LIGHT PETROLEUM DISTILLATES	similar compounds	Not classified
Solvent dewaxed heavy paraffinic distillate (petroleum)	Guinea pig	Not classified
Hydrotreated light paraffinic distillates (petroleum)	similar compounds	Not classified
SOLVENT DEWAXED LIGHT PARAFFINIC DISTILLATES (PETROLEUM)	Guinea pig	Not classified

Respiratory Sensitization

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

Germ Cell Mutagenicity

Name	Route	Value
Dodecamethylcyclohexasiloxane	In Vitro	Not mutagenic
Dodecamethylcyclohexasiloxane	In vivo	Not mutagenic
HYDROTREATED LIGHT PETROLEUM DISTILLATES	In Vitro	Not mutagenic
Aluminum Oxide (non-fibrous)	In Vitro	Not mutagenic
Solvent dewaxed heavy paraffinic distillate (petroleum)	In Vitro	Not mutagenic
Hydrotreated light paraffinic distillates (petroleum)	In Vitro	Not mutagenic
SOLVENT DEWAXED LIGHT PARAFFINIC DISTILLATES (PETROLEUM)	In vivo	Not mutagenic
SOLVENT DEWAXED LIGHT PARAFFINIC DISTILLATES (PETROLEUM)	In Vitro	Some positive data exist, but the data are not sufficient for classification

Carcinogenicity

Name	Route	Species	Value
Aluminum Oxide (non-fibrous)	Inhalation	Rat	Not carcinogenic
Solvent dewaxed heavy paraffinic distillate (petroleum)	Dermal	Mouse	Not carcinogenic
SOLVENT DEWAXED LIGHT PARAFFINIC DISTILLATES (PETROLEUM)	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	2 generation
Dodecamethylcyclohexasiloxane	Ingestion	Not classified for male reproduction	Rat	NOAEL 1,000 mg/kg/day	2 generation
Dodecamethylcyclohexasiloxane	Ingestion	Not classified for development	Multiple	NOAEL	during

			animal species	1,000 mg/kg/day	gestation
Solvent dewaxed heavy paraffinic distillate (petroleum)	Dermal	Not classified for development	Rat	NOAEL 1,000 mg/kg/day	during gestation

Target Organ(s)

Specific Target Organ Toxicity - single exposure

Name	Route	Target Organ(s)	Value	Species	Test Result	Exposure Duration
Dodecamethylcyclohexasiloxane	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification	Rat	NOAEL not available	

Specific Target Organ Toxicity - repeated exposure

Name	Route	Target Organ(s)	Value	Species	Test Result	Exposure Duration
Dodecamethylcyclohexasiloxane	Inhalation	liver	Not classified	Rat	NOAEL 0.546 mg/l	90 days
Dodecamethylcyclohexasiloxane	Inhalation	respiratory system	Not classified	Rat	NOAEL 0.018 mg/l	90 days
Dodecamethylcyclohexasiloxane	Inhalation	hematopoietic system | eyes	Not classified	Rat	NOAEL 0.546 mg/l	90 days
Dodecamethylcyclohexasiloxane	Ingestion	endocrine system | liver | hematopoietic system | nervous system | kidney and/or bladder | respiratory system	Not classified	Rat	NOAEL 1,000 mg/kg/day	28 days
Aluminum Oxide (non-fibrous)	Inhalation	pneumoconiosis	Some positive data exist, but the data are not sufficient for classification	Human	NOAEL Not available	occupational exposure
Aluminum Oxide (non-fibrous)	Inhalation	pulmonary fibrosis	Not classified	Human	NOAEL Not available	occupational exposure
Solvent dewaxed heavy paraffinic distillate (petroleum)	Dermal	skin | liver | hematopoietic system | kidney and/or bladder	Not classified	Rat	NOAEL 2,000 mg/kg/day	13 weeks
SOLVENT DEWAXED LIGHT PARAFFINIC DISTILLATES (PETROLEUM)	Dermal	hematopoietic system | liver | kidney and/or bladder	Not classified	Rabbit	NOAEL 5,000 mg/kg/day	3 weeks

Aspiration Hazard

Name	Value
HYDROTREATED LIGHT PETROLEUM DISTILLATES	Aspiration hazard
Solvent dewaxed heavy paraffinic distillate (petroleum)	Not an aspiration hazard
Hydrotreated light paraffinic distillates (petroleum)	Aspiration hazard
SOLVENT DEWAXED LIGHT PARAFFINIC DISTILLATES (PETROLEUM)	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 labeling, 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

Acute aquatic hazard:
GHS Acute 3: Harmful to aquatic life.

Chronic aquatic hazard:
GHS Chronic 3: Harmful to aquatic life with long lasting effects

No product test data available

Material	Cas #	Organism	Type	Exposure	Test Endpoint	Test Result
HYDROTREATED LIGHT PETROLEUM DISTILLATES	64742-47-8	Green algae	Analogous Compound	72 hours	EL50	>1,000 mg/l
HYDROTREATED LIGHT PETROLEUM DISTILLATES	64742-47-8	Water flea	Analogous Compound	48 hours	EL50	>1,000 mg/l
HYDROTREATED LIGHT PETROLEUM DISTILLATES	64742-47-8	Rainbow Trout	Experimental	96 hours	LL50	>788,000 mg/l
HYDROTREATED LIGHT PETROLEUM DISTILLATES	64742-47-8	Scud	Experimental	96 hours	LL50	>10,000 mg/l
HYDROTREATED LIGHT PETROLEUM DISTILLATES	64742-47-8	Green algae	Analogous Compound	72 hours	NOEL	1,000 mg/l
HYDROTREATED LIGHT PETROLEUM DISTILLATES	64742-47-8	Water flea	Analogous Compound	21 days	NOEL	>1 mg/l
Dodecamethylcyclohexasiloxane	540-97-6	Activated sludge	Experimental	3 hours	EC50	>100 mg/l
Dodecamethylcyclohexasiloxane	540-97-6	Green algae	Experimental	72 hours	EC50	>100 mg/l
Dodecamethylcyclohexasiloxane	540-97-6	Fathead Minnow	Experimental	49 days	NOEC	100 mg/l
Dodecamethylcyclohexasiloxane	540-97-6	Green algae	Experimental	72 hours	NOEC	100 mg/l
Dodecamethylcyclohexasiloxane	540-97-6	Water flea	Experimental	21 days	NOEC	100 mg/l
Aluminum Oxide (non-fibrous)	1344-28-1	N/A	Experimental	96 hours	LC50	>100 mg/l
Aluminum Oxide (non-fibrous)	1344-28-1	Green algae	Experimental	72 hours	EC50	>100 mg/l
Aluminum Oxide (non-fibrous)	1344-28-1	Water flea	Experimental	48 hours	LC50	>100 mg/l
Aluminum Oxide (non-fibrous)	1344-28-1	Green algae	Experimental	72 hours	NOEC	>100 mg/l
Solvent dewaxed heavy paraffinic distillate (petroleum)	64742-65-0	Green algae	Analogous Compound	96 hours	EC50	>100 mg/l
Solvent dewaxed heavy paraffinic distillate (petroleum)	64742-65-0	Water flea	Analogous Compound	48 hours	EC50	>100 mg/l
Solvent dewaxed heavy paraffinic distillate (petroleum)	64742-65-0	Rainbow Trout	Experimental	96 hours	LC50	>100 mg/l

Solvent dewaxed heavy paraffinic distillate (petroleum)	64742-65-0	Water flea	Experimental	21 days	NOEC	100 mg/l
Hydrotreated light paraffinic distillates (petroleum)	64742-55-8	Fathead Minnow	Estimated	96 hours	LL50	>100 mg/l
Hydrotreated light paraffinic distillates (petroleum)	64742-55-8	Water flea	Estimated	48 hours	EL50	>100 mg/l
Hydrotreated light paraffinic distillates (petroleum)	64742-55-8	Green algae	Estimated	72 hours	NOEL	100 mg/l
Hydrotreated light paraffinic distillates (petroleum)	64742-55-8	Water flea	Estimated	21 days	NOEC	10 mg/l
SOLVENT DEWAXED LIGHT PARAFFINIC DISTILLATES (PETROLEUM)	64742-56-9	Fathead Minnow	Estimated	96 hours	LL50	>100 mg/l
SOLVENT DEWAXED LIGHT PARAFFINIC DISTILLATES (PETROLEUM)	64742-56-9	Green algae	Estimated	72 hours	EL50	>100 mg/l
SOLVENT DEWAXED LIGHT PARAFFINIC DISTILLATES (PETROLEUM)	64742-56-9	Water flea	Estimated	48 hours	EL50	>100 mg/l
SOLVENT DEWAXED LIGHT PARAFFINIC DISTILLATES (PETROLEUM)	64742-56-9	Green algae	Estimated	72 hours	NOEL	100 mg/l
SOLVENT DEWAXED LIGHT PARAFFINIC DISTILLATES (PETROLEUM)	64742-56-9	Water flea	Estimated	21 days	NOEL	100 mg/l

12.2. Persistence and degradability

Material	CAS No.	Test Type	Duration	Study Type	Test Result	Protocol
HYDROTREATED LIGHT PETROLEUM DISTILLATES	64742-47-8	Experimental Biodegradation	28 days	Biological Oxygen Demand	22 %BOD/ThOD	OECD 301F - Manometric Respiro
Dodecamethylcyclohexasiloxane	540-97-6	Experimental Biodegradation	28 days	Carbon dioxide evolution	4.47 %CO2 evolution/THCO2 evolution	OECD 310 CO2 Headspace
Aluminum Oxide (non-fibrous)	1344-28-1	Data not availbl-insufficient	N/A	N/A	N/A	N/A
Solvent dewaxed heavy paraffinic distillate (petroleum)	64742-65-0	Experimental Biodegradation	28 days	Carbon dioxide evolution	23 %CO2 evolution/THCO2 evolution	similar to OECD 301B
Hydrotreated light	64742-55-8	Estimated	28 days	Carbon dioxide	22 %CO2	OECD 301B - Mod. Sturm or

paraffinic distillates (petroleum)		Biodegradation		evolution	evolution/THCO2 evolution	CO2
SOLVENT DEWAXED LIGHT PARAFFINIC DISTILLATES (PETROLEUM)	64742-56-9	Analogous Compound Biodegradation	28 days	Biological Oxygen Demand	31 %BOD/ThOD	OECD 301F - Manometric Respiro

12.3. Bioaccumulative potential

Material	CAS No.	Test Type	Duration	Study Type	Test Result	Protocol
HYDROTREATED LIGHT PETROLEUM DISTILLATES	64742-47-8	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Dodecamethylcyclohexasiloxane	540-97-6	Experimental BCF - Fish	49 days	Bioaccumulation Factor	1160	OECD305-Bioconcentration
Aluminum Oxide (non-fibrous)	1344-28-1	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Solvent dewaxed heavy paraffinic distillate (petroleum)	64742-65-0	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Hydrotreated light paraffinic distillates (petroleum)	64742-55-8	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
SOLVENT DEWAXED LIGHT PARAFFINIC DISTILLATES (PETROLEUM)	64742-56-9	Data not available or insufficient for classification	N/A	N/A	N/A	N/A

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

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.

SECTION 14: Transport Information

Local Regulations
Land Transport: In accordance with Director General of Land Transportation Decree No. SK.725/AJ.302/DRJD/2004 which refer to UN Standard.
Sea Transport: In accordance with Minister of Transportation Decree No. KM 2/2010 which refer to IMDG Code Standard.

International Regulations

UN No.: Not applicable
UN Proper Shipping Name: Not applicable
Transportation Class (IMO): Not applicable
Transportation Class (IATA): Not applicable
Packing Group: Not applicable
Marine Pollutant: Not applicable

SECTION 15: Regulatory information

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

Global inventory status
Contact 3M for more information. The components of this material are in compliance with the provisions of the Korea Chemical Control Act. Certain restrictions may apply. Contact the selling division for additional information. The components of this material are in compliance with the provisions of Australia National Industrial Chemical Notification and Assessment Scheme (NICNAS). Certain restrictions may apply. Contact the selling division for additional information. The components of this material are in compliance with the provisions of Philippines RA 6969 requirements. Certain restrictions may apply. Contact the selling division for additional information. This product complies with Measures on Environmental Management of New Chemical Substances. All ingredients are listed on or exempt from on China IECSC inventory. The components of this product are in compliance with the chemical notification requirements of TSCA. All required components of this product are listed on the active portion of the TSCA Inventory.

Local Inventory Status

Addendum I Government Regulation No. 74/2001:
List of Hazardous Substances Approved for Use :
2,2,4-Trimethylpentane is listed as a Hazardous Substance Approved for Use.
DIETHANOLAMINE is listed as a Hazardous Substance Approved for Use.
Ethanolamine is listed as a Hazardous Substance Approved for Use.
ETHYL ACRYLATE is listed as a Hazardous Substance Approved for Use.
ETHYLENE OXIDE is listed as a Hazardous Substance Approved for Use.
HEXANE is listed as a Hazardous Substance Approved for Use.
Methyl Alcohol is listed as a Hazardous Substance Approved for Use.
PROPYLENE OXIDE is listed as a Hazardous Substance Approved for Use.

Addendum II Government Regulation No. 74/2001:
Tab.1 List of Prohibited Substances for Use:
None of the substances are listed as a Prohibited Substance for Use.

Addendum II Government Regulation No. 74/2001:
Tab.2 List of Restricted Substances for Use:
ETHYLENE OXIDE is listed as a Restricted Substance for Use.

Addendum I Ministry of Health Regulation No. 472/1996:
List and Classification of Hazardous Substances for Health:
1,4-DIOXANE is listed and classified as a Hazardous Substance for Health.
ETHYLENE OXIDE is listed and classified as a Hazardous Substance for Health.
PROPYLENE OXIDE is listed and classified as a Hazardous Substance for Health.

Addendum I Act of Minister of Industry and Trade No. 254/MPP/KEP/2000
List of Hazardous Substances that are Regulated to Import Trade System:
Triethanolamine is listed as a Hazardous Substance that is Regulated to Import Trade System

SECTION 16: Other information

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3M Indonesia SDSs are available at https://www.3m.co.id/3M/en_ID/company-id/