Safety Data Sheet

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SECTION 1: Identification

1.1. Product identifier
3M™ Finesse-it™ Polish Premium 360

1.2. Recommended use and restrictions on use

Recommended use
Polish

1.3. Supplier's details

MANUFACTURER:	3M
DIVISION:	Abrasive Systems Division
ADDRESS:	3M Center, St. Paul, MN 55144-1000, USA
Telephone:	1-888-3M HELPS (1-888-364-3577)

1.4. Emergency telephone number
1-800-364-3577 or (651) 737-6501 (24 hours)

SECTION 2: Hazard identification

2.1. Hazard classification
Skin Sensitizer: Category 1.
Reproductive Toxicity: Category 2.
Specific Target Organ Toxicity (repeated exposure): Category 1.

2.2. Label elements
Signal word
Danger

Symbols
Exclamation mark |Health Hazard |

Pictograms



Hazard Statements

May cause an allergic skin reaction.
Suspected of damaging fertility or the unborn child.

Causes damage to organs through prolonged or repeated exposure: nervous system.

Precautionary statements
General:
Keep out of reach of children.

Prevention:
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Do not breathe vapors or dust.
Wash exposed skin thoroughly after handling.
Do not eat, drink or smoke when using this product.
Contaminated work clothing should not be allowed out of the workplace.
Wear protective gloves.

Response:
IF ON SKIN: Wash with plenty of soap and water.
IF exposed or concerned: Get medical attention.
Get medical attention if you feel unwell.
If skin irritation or rash occurs: Get medical attention.
Take off contaminated clothing and wash it before reuse.

Storage:
Store locked up.

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

4% of the mixture consists of ingredients of unknown acute oral toxicity.
4% of the mixture consists of ingredients of unknown acute dermal toxicity.
6% of the mixture consists of ingredients of unknown acute inhalation toxicity.

SECTION 3: Composition/information on ingredients

Ingredient	C.A.S. No.	% by Wt
Water	7732-18-5	25 - 30
Aluminum Oxide	1344-28-1	20 - 25
Hydrotreatred Light Petroleum Distillates	64742-47-8	7 - 13 Trade Secret *
White Mineral Oil (Petroleum)	8042-47-5	5 - 10 Trade Secret *
Glycerin	56-81-5	3 - 7
Naphtha (Petroleum), Hydrodesulfurized Heavy	64742-82-1	3 - 7 Trade Secret *
Heavy Aromatic Solvent Naptha (Petroleum)	64742-94-5	1 - 5 Trade Secret *
Polyethylene Glycol Sorbitan Monooleate	9005-65-6	< 5
Solvent Refined Hydrotreated Middle Distillate	64742-46-7	1 - 5 Trade Secret *
Synthetic Amorphous Silica, Fumed, Crystalline-Free	112945-52-5	< 3
Castor Oil Based Product and Water	Trade Secret*	< 3
Alcohols, C16-18 and C18-unsatd. unsaturated alkyl alcohol and SDA Reporting Number: 11-060-00. Consult SDA Substance Identification Procedure.	68002-94-8	< 2

Terpineol	8000-41-7	0.1 - 1 Trade Secret *
Naphthalene	91-20-3	< 0.05
1,2-Benzisothiazolin-3-one	2634-33-5	< 0.04

*The specific chemical identity and/or exact percentage (concentration) of this composition has been withheld as a trade secret.

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:
Immediately wash with soap and water. Remove contaminated clothing and wash before reuse. 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

Allergic skin reaction (redness, swelling, blistering, and itching). Target organ effects following prolonged or repeated exposure. See Section 11 for additional details.

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 fire fighting agent suitable for ordinary combustible material such as water or foam to extinguish.

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

Hazardous Decomposition or By-Products

Substance	Condition
Hydrocarbons	During Combustion
Carbon monoxide	During Combustion
Carbon dioxide	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
Evacuate area. Ventilate the area with fresh air. For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapors, in accordance with good industrial hygiene practice. 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.

6.2. Environmental precautions
Avoid release to the environment.

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. For industrial/occupational use only. Not for consumer sale or use. Keep out of reach of children. Do not handle until all safety precautions have been read and understood. Do not breathe dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wash contaminated clothing before reuse. Avoid contact with oxidizing agents (eg. chlorine, chromic acid etc.) Use personal protective equipment (gloves, respirators, etc.) as required.

7.2. Conditions for safe storage including any incompatibilities
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
Silica: Amorphous, including natural diatomaceous earth	112945-52-5	OSHA	TWA:20 millions of particles/cu. ft.;TWA concentration:0.8 mg/m3	
Aluminum Oxide	1344-28-1	OSHA	TWA(as total dust):15 mg/m3;TWA(respirable fraction):5 mg/m3	
Particles (insoluble or poorly soluble) not otherwise specified, inhalable particles	1344-28-1	ACGIH	TWA(inhalable particulates):10 mg/m3	
Particles (insoluble or poorly soluble) not otherwise specified, respirable particles	1344-28-1	ACGIH	TWA(respirable particles):3 mg/m3	

Glycerin	56-81-5	OSHA	TWA(as total dust):15 mg/m3;TWA(respirable fraction):5 mg/m3	
OIL MIST (MINERAL)	64742-46-7	OSHA	TWA(as mist):5 mg/m3	
Mineral oil, excluding metal working fluids, pure, highly and severely refined, inhalable fraction	64742-47-8	ACGIH	TWA(inhalable fraction):5 mg/m3	A4: Not class. as human carcin
Stoddard solvent	64742-82-1	ACGIH	TWA:100 ppm	
STODDARD SOLVENT	64742-82-1	OSHA	TWA:2900 mg/m3(500 ppm)	
Mineral oil, excluding metal working fluids, pure, highly and severely refined, inhalable fraction	8042-47-5	ACGIH	TWA(inhalable fraction):5 mg/m3	A4: Not class. as human carcin
OIL MIST (MINERAL)	8042-47-5	OSHA	TWA(as mist):5 mg/m3	
Naphthalene	91-20-3	ACGIH	TWA:10 ppm	A3: Confirmed animal carcin., Danger of cutaneous absorption
Naphthalene	91-20-3	OSHA	TWA:50 mg/m3(10 ppm)	

ACGIH : American Conference of Governmental Industrial Hygienists
AIHA : American Industrial Hygiene Association
CMRG : Chemical Manufacturer's Recommended Guidelines
OSHA : United States Department of Labor - Occupational Safety and Health Administration
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

If this product is used in a manner that presents a higher potential for exposure (e.g., spraying, high splash potential, etc.), then use of a protective apron may be necessary. See recommended glove material(s) for determining appropriate apron material(s). If a glove material is not available as an apron, polymer laminate is a suitable option.

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
Specific Physical Form:	Emulsion
Color	White
Odor	Oily, Pine
Odor threshold	*No Data Available*
pH	7.5 - 9 Units not avail. or not appl. [*Details:*@20 C (+/-1 C)]
Melting point/Freezing point	*Not Applicable*
Boiling point/Initial boiling point/Boiling range	*No Data Available*
Flash Point	>=100 ºC [*Test Method:*Closed Cup]
Evaporation rate	*Not Applicable*
Flammability	Not Applicable
Flammable Limits(LEL)	*No Data Available*
Flammable Limits(UEL)	*No Data Available*
Vapor Pressure	*No Data Available*
Relative Vapor Density	*No Data Available*
Density	1.15 g/cm3 [@ 20 ºC]
Relative Density	1.15 [*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	17,319 - 60,870 mm2/sec
Volatile Organic Compounds	20 %
Percent volatile	20 %
VOC Less H2O & Exempt Solvents	20 %

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

High shear and high temperature conditions
Sparks and/or flames

10.5. Incompatible materials
Alkali and alkaline earth metals
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:
Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

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.

May cause additional health effects (see below).

Skin Contact:
Mild Skin Irritation: Signs/symptoms may include localized redness, swelling, itching, and dryness. Allergic Skin Reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching.

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.

May cause additional health effects (see below).

Additional Health Effects:

Prolonged or repeated exposure may cause target organ effects:
Central Neuropathy: Signs/symptoms may include irritability, memory impairment, personality changes, sleep disorders, and decreased ability to concentrate.

Reproductive/Developmental Toxicity:
Contains a chemical or chemicals which can cause birth defects or other reproductive harm.

Carcinogenicity:

Ingredient	CAS No.	Class Description	Regulation
Naphthalene	91-20-3	Grp. 2B: Possible human carc.	International Agency for Research on Cancer
Naphthalene	91-20-3	Anticipated human carcinogen	National Toxicology Program Carcinogens

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	Inhalation-Vapor(4 hr)		No data available; calculated ATE >50 mg/l
Overall product	Ingestion		No data available; calculated ATE >5,000 mg/kg
Aluminum Oxide	Dermal		LD50 estimated to be > 5,000 mg/kg
Aluminum Oxide	Inhalation-Dust/Mist (4 hours)	Rat	LC50 > 2.3 mg/l
Aluminum Oxide	Ingestion	Rat	LD50 > 5,000 mg/kg
Hydrotreatred Light Petroleum Distillates	Ingestion	Rat	LD50 > 15,000 mg/kg
Hydrotreatred Light Petroleum Distillates	Dermal	similar compounds	LD50 > 5,000 mg/kg
White Mineral Oil (Petroleum)	Dermal	Rabbit	LD50 > 2,000 mg/kg
White Mineral Oil (Petroleum)	Ingestion	Rat	LD50 > 5,000 mg/kg
Naphtha (Petroleum), Hydrodesulfurized Heavy	Dermal	Rat	LD50 > 3,400 mg/kg
Naphtha (Petroleum), Hydrodesulfurized Heavy	Inhalation-Vapor (4 hours)	Rat	LC50 > 16.2 mg/l
Naphtha (Petroleum), Hydrodesulfurized Heavy	Ingestion	Rat	LD50 > 15,000 mg/kg
Glycerin	Dermal	Rabbit	LD50 estimated to be > 5,000 mg/kg
Glycerin	Ingestion	Rat	LD50 > 5,000 mg/kg
Polyethylene Glycol Sorbitan Monooleate	Dermal	Not available	LD50 > 5,000 mg/kg
Polyethylene Glycol Sorbitan Monooleate	Inhalation-Dust/Mist (4 hours)	Rat	LC50 > 5.1 mg/l
Polyethylene Glycol Sorbitan Monooleate	Ingestion	Rat	LD50 20,000 mg/kg
Heavy Aromatic Solvent Naptha (Petroleum)	Inhalation-Vapor	Professional judgement	LC50 estimated to be 20 - 50 mg/l
Heavy Aromatic Solvent Naptha (Petroleum)	Dermal	Rabbit	LD50 > 2,000 mg/kg
Heavy Aromatic Solvent Naptha (Petroleum)	Ingestion	Rat	LD50 > 5,000 mg/kg
Synthetic Amorphous Silica, Fumed, Crystalline-Free	Dermal	Rabbit	LD50 > 5,000 mg/kg
Synthetic Amorphous Silica, Fumed, Crystalline-Free	Inhalation-Dust/Mist (4 hours)	Rat	LC50 > 0.691 mg/l
Synthetic Amorphous Silica, Fumed, Crystalline-Free	Ingestion	Rat	LD50 > 5,110 mg/kg
Solvent Refined Hydrotreated Middle Distillate	Dermal	Rabbit	LD50 > 2,000 mg/kg
Solvent Refined Hydrotreated Middle Distillate	Inhalation-Dust/Mist (4 hours)	Rat	LC50 > 5.3 mg/l
Solvent Refined Hydrotreated Middle Distillate	Ingestion	Rat	LD50 > 5,000 mg/kg
Terpineol	Dermal	Rat	LD50 > 2,000 mg/kg
Terpineol	Ingestion	Rat	LD50 > 2,000 mg/kg
1,2-Benzisothiazolin-3-one	Dermal	Rat	LD50 > 2,000 mg/kg
1,2-Benzisothiazolin-3-one	Inhalation-	Rat	LC50 0.21 mg/l

	Dust/Mist (4 hours)		
1,2-Benzisothiazolin-3-one	Ingestion	Rat	LD50 450 mg/kg
Naphthalene	Dermal	Human	LD50 estimated to be 2,000 - 5,000 mg/kg
Naphthalene	Inhalation-Vapor	Human	LC50 estimated to be 20 - 50 mg/l
Naphthalene	Ingestion	Human	LD50 estimated to be 300 - 2,000 mg/kg

ATE = acute toxicity estimate

Skin Corrosion/Irritation

Name	Species	Value
Aluminum Oxide	Rabbit	No significant irritation
Hydrotreatred Light Petroleum Distillates	similar compounds	Mild irritant
White Mineral Oil (Petroleum)	Rabbit	No significant irritation
Naphtha (Petroleum), Hydrodesulfurized Heavy	Rabbit	Minimal irritation
Glycerin	Rabbit	No significant irritation
Polyethylene Glycol Sorbitan Monooleate	Rabbit	No significant irritation
Heavy Aromatic Solvent Naptha (Petroleum)	Rabbit	Minimal irritation
Synthetic Amorphous Silica, Fumed, Crystalline-Free	Rabbit	No significant irritation
Solvent Refined Hydrotreated Middle Distillate	Rabbit	No significant irritation
Terpineol	Rabbit	Irritant
1,2-Benzisothiazolin-3-one	Human	Irritant
Naphthalene	Rabbit	Minimal irritation

Serious Eye Damage/Irritation

Name	Species	Value
Aluminum Oxide	Rabbit	No significant irritation
Hydrotreatred Light Petroleum Distillates	similar compounds	No significant irritation
White Mineral Oil (Petroleum)	Rabbit	Mild irritant
Naphtha (Petroleum), Hydrodesulfurized Heavy	Rabbit	No significant irritation
Glycerin	Rabbit	No significant irritation
Polyethylene Glycol Sorbitan Monooleate	Rabbit	No significant irritation
Heavy Aromatic Solvent Naptha (Petroleum)	Rabbit	Mild irritant
Synthetic Amorphous Silica, Fumed, Crystalline-Free	Rabbit	No significant irritation
Solvent Refined Hydrotreated Middle Distillate	Rabbit	Mild irritant
Terpineol	Rabbit	Moderate irritant
1,2-Benzisothiazolin-3-one	Rabbit	Corrosive
Naphthalene	Rabbit	No significant irritation

Skin Sensitization

Name	Species	Value
Hydrotreatred Light Petroleum Distillates	similar compounds	Not classified
White Mineral Oil (Petroleum)	Guinea pig	Not classified
Naphtha (Petroleum), Hydrodesulfurized Heavy	Guinea pig	Not classified
Glycerin	Guinea pig	Not classified
Polyethylene Glycol Sorbitan Monooleate	Guinea pig	Not classified
Heavy Aromatic Solvent Naptha (Petroleum)	Guinea pig	Not classified
Synthetic Amorphous Silica, Fumed, Crystalline-Free	Human and animal	Not classified

Solvent Refined Hydrotreated Middle Distillate	Guinea pig	Not classified
Terpineol	Guinea pig	Not classified
1,2-Benzisothiazolin-3-one	Human	Sensitizing

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
Aluminum Oxide	In Vitro	Not mutagenic
Hydrotreatred Light Petroleum Distillates	In Vitro	Not mutagenic
White Mineral Oil (Petroleum)	In Vitro	Not mutagenic
Polyethylene Glycol Sorbitan Monooleate	In Vitro	Not mutagenic
Heavy Aromatic Solvent Naptha (Petroleum)	In Vitro	Not mutagenic
Heavy Aromatic Solvent Naptha (Petroleum)	In vivo	Not mutagenic
Synthetic Amorphous Silica, Fumed, Crystalline-Free	In Vitro	Not mutagenic
Solvent Refined Hydrotreated Middle Distillate	In Vitro	Not mutagenic
Solvent Refined Hydrotreated Middle Distillate	In vivo	Not mutagenic
Terpineol	In Vitro	Not mutagenic
1,2-Benzisothiazolin-3-one	In vivo	Not mutagenic
1,2-Benzisothiazolin-3-one	In Vitro	Some positive data exist, but the data are not sufficient for classification

Carcinogenicity

Name	Route	Species	Value
Aluminum Oxide	Inhalation	Rat	Not carcinogenic
White Mineral Oil (Petroleum)	Dermal	Mouse	Not carcinogenic
White Mineral Oil (Petroleum)	Inhalation	Multiple animal species	Not carcinogenic
Glycerin	Ingestion	Mouse	Some positive data exist, but the data are not sufficient for classification
Polyethylene Glycol Sorbitan Monooleate	Ingestion	Rat	Some positive data exist, but the data are not sufficient for classification
Synthetic Amorphous Silica, Fumed, Crystalline-Free	Not Specified	Mouse	Some positive data exist, but the data are not sufficient for classification
Naphthalene	Inhalation	Multiple animal species	Carcinogenic

Reproductive Toxicity

Reproductive and/or Developmental Effects

Name	Route	Value	Species	Test Result	Exposure Duration
White Mineral Oil (Petroleum)	Ingestion	Not classified for female reproduction	Rat	NOAEL 4,350 mg/kg/day	13 weeks
White Mineral Oil (Petroleum)	Ingestion	Not classified for male reproduction	Rat	NOAEL 4,350 mg/kg/day	13 weeks
White Mineral Oil (Petroleum)	Ingestion	Not classified for development	Rat	NOAEL 4,350 mg/kg/day	during gestation
Glycerin	Ingestion	Not classified for female reproduction	Rat	NOAEL 2,000 mg/kg/day	2 generation
Glycerin	Ingestion	Not classified for male reproduction	Rat	NOAEL 2,000 mg/kg/day	2 generation
Glycerin	Ingestion	Not classified for development	Rat	NOAEL 2,000 mg/kg/day	2 generation
Polyethylene Glycol Sorbitan Monooleate	Ingestion	Not classified for female reproduction	Rat	NOAEL 6,666 mg/kg/day	3 generation
Polyethylene Glycol Sorbitan Monooleate	Ingestion	Not classified for male reproduction	Rat	NOAEL 6,666	3 generation

				mg/kg/day	
Polyethylene Glycol Sorbitan Monooleate	Ingestion	Not classified for development	Rat	NOAEL 5,000 mg/kg/day	during organogenesis
Heavy Aromatic Solvent Naptha (Petroleum)	Not Specified	Not classified for female reproduction	Rat	NOAEL Not available	2 generation
Heavy Aromatic Solvent Naptha (Petroleum)	Not Specified	Not classified for male reproduction	Rat	NOAEL Not available	2 generation
Heavy Aromatic Solvent Naptha (Petroleum)	Not Specified	Not classified for development	Rat	NOAEL Not available	2 generation
Synthetic Amorphous Silica, Fumed, Crystalline-Free	Ingestion	Not classified for female reproduction	Rat	NOAEL 509 mg/kg/day	1 generation
Synthetic Amorphous Silica, Fumed, Crystalline-Free	Ingestion	Not classified for male reproduction	Rat	NOAEL 497 mg/kg/day	1 generation
Synthetic Amorphous Silica, Fumed, Crystalline-Free	Ingestion	Not classified for development	Rat	NOAEL 1,350 mg/kg/day	during organogenesis
Solvent Refined Hydrotreated Middle Distillate	Not Specified	Not classified for female reproduction	Rat	NOAEL Not available	gestation into lactation
Solvent Refined Hydrotreated Middle Distillate	Not Specified	Not classified for male reproduction	Rat	NOAEL Not available	28 days
Solvent Refined Hydrotreated Middle Distillate	Not Specified	Not classified for development	Rat	NOAEL Not available	during gestation
Terpineol	Ingestion	Not classified for female reproduction	Rat	NOAEL 250 mg/kg/day	premating into lactation
Terpineol	Ingestion	Not classified for development	Rat	NOAEL 250 mg/kg	premating into lactation
Terpineol	Ingestion	Toxic to male reproduction	Rat	NOAEL 250 mg/kg/day	5 weeks
1,2-Benzisothiazolin-3-one	Ingestion	Not classified for female reproduction	Rat	NOAEL 112 mg/kg/day	2 generation
1,2-Benzisothiazolin-3-one	Ingestion	Not classified for male reproduction	Rat	NOAEL 112 mg/kg/day	2 generation
1,2-Benzisothiazolin-3-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
Hydrotreatred Light Petroleum Distillates	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification	similar health hazards	NOAEL Not available	
Naphtha (Petroleum), Hydrodesulfurized Heavy	Inhalation	central nervous system depression	May cause drowsiness or dizziness	similar compounds	NOAEL not available	
Naphtha (Petroleum), Hydrodesulfurized Heavy	Ingestion	central nervous system depression	May cause drowsiness or dizziness	similar compounds	NOAEL not available	
Heavy Aromatic Solvent Naptha (Petroleum)	Inhalation	central nervous system depression	May cause drowsiness or dizziness	Human and animal	NOAEL Not available	
Terpineol	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification	similar health hazards	NOAEL Not Available	
1,2-Benzisothiazolin-3-one	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification	similar health hazards	NOAEL Not available	
Naphthalene	Ingestion	blood	Causes damage to organs	Human	NOAEL Not available	poisoning and/or abuse

Specific Target Organ Toxicity - repeated exposure

Name	Route	Target Organ(s)	Value	Species	Test Result	Exposure Duration

Aluminum Oxide	Inhalation	pneumoconiosis	Some positive data exist, but the data are not sufficient for classification	Human	NOAEL Not available	occupational exposure
Aluminum Oxide	Inhalation	pulmonary fibrosis	Not classified	Human	NOAEL Not available	occupational exposure
Hydrotreatred Light Petroleum Distillates	Inhalation	liver	Not classified	Rat	NOAEL 6 mg/l	13 weeks
Hydrotreatred Light Petroleum Distillates	Inhalation	kidney and/or bladder	Not classified	Rat	LOAEL 1.5 mg/l	13 weeks
Hydrotreatred Light Petroleum Distillates	Inhalation	hematopoietic system	Not classified	Rat	NOAEL 6 mg/l	13 weeks
Hydrotreatred Light Petroleum Distillates	Ingestion	liver	Not classified	Rat	NOAEL 1,000 mg/kg/day	13 weeks
Hydrotreatred Light Petroleum Distillates	Ingestion	kidney and/or bladder	Not classified	Rat	LOAEL 100 mg/kg/day	13 weeks
Hydrotreatred Light Petroleum Distillates	Ingestion	hematopoietic system	Not classified	Rat	NOAEL 1,000 mg/kg/day	13 weeks
Hydrotreatred Light Petroleum Distillates	Ingestion	eyes	Not classified	Rat	NOAEL 1,000 mg/kg/day	13 weeks
White Mineral Oil (Petroleum)	Ingestion	hematopoietic system	Not classified	Rat	NOAEL 1,381 mg/kg/day	90 days
White Mineral Oil (Petroleum)	Ingestion	liver	Not classified	Rat	NOAEL 1,336 mg/kg/day	90 days
White Mineral Oil (Petroleum)	Ingestion	immune system	Not classified	Rat	NOAEL 1,336 mg/kg/day	90 days
Naphtha (Petroleum), Hydrodesulfurized Heavy	Inhalation	central nervous system	Causes damage to organs through prolonged or repeated exposure	Human	NOAEL not available	occupational exposure
Glycerin	Inhalation	respiratory system	Not classified	Rat	NOAEL 3.91 mg/l	14 days
Glycerin	Inhalation	heart	Not classified	Rat	NOAEL 3.91 mg/l	14 days
Glycerin	Inhalation	liver	Not classified	Rat	NOAEL 3.91 mg/l	14 days
Glycerin	Inhalation	kidney and/or bladder	Not classified	Rat	NOAEL 3.91 mg/l	14 days
Glycerin	Ingestion	endocrine system	Not classified	Rat	NOAEL 10,000 mg/kg/day	2 years
Glycerin	Ingestion	hematopoietic system	Not classified	Rat	NOAEL 10,000 mg/kg/day	2 years
Glycerin	Ingestion	liver	Not classified	Rat	NOAEL 10,000 mg/kg/day	2 years
Glycerin	Ingestion	kidney and/or bladder	Not classified	Rat	NOAEL 10,000 mg/kg/day	2 years
Polyethylene Glycol Sorbitan Monooleate	Ingestion	heart	Not classified	Rat	NOAEL 4,132 mg/kg/day	90 days
Polyethylene Glycol Sorbitan Monooleate	Ingestion	endocrine system	Not classified	Rat	NOAEL 4,132 mg/kg/day	90 days
Polyethylene Glycol Sorbitan Monooleate	Ingestion	gastrointestinal tract	Not classified	Rat	NOAEL 4,132 mg/kg/day	90 days
Polyethylene Glycol Sorbitan Monooleate	Ingestion	bone, teeth, nails, and/or hair	Not classified	Rat	NOAEL 4,132 mg/kg/day	90 days
Polyethylene Glycol Sorbitan Monooleate	Ingestion	hematopoietic system	Not classified	Rat	NOAEL 4,132	90 days

					mg/kg/day	
Polyethylene Glycol Sorbitan Monooleate	Ingestion	liver	Not classified	Rat	NOAEL 4,132 mg/kg/day	90 days
Polyethylene Glycol Sorbitan Monooleate	Ingestion	immune system	Not classified	Rat	NOAEL 4,132 mg/kg/day	90 days
Polyethylene Glycol Sorbitan Monooleate	Ingestion	nervous system	Not classified	Rat	NOAEL 4,132 mg/kg/day	90 days
Polyethylene Glycol Sorbitan Monooleate	Ingestion	kidney and/or bladder	Not classified	Rat	NOAEL 4,132 mg/kg/day	90 days
Polyethylene Glycol Sorbitan Monooleate	Ingestion	respiratory system	Not classified	Rat	NOAEL 4,132 mg/kg/day	90 days
Synthetic Amorphous Silica, Fumed, Crystalline-Free	Inhalation	respiratory system	Not classified	Human	NOAEL Not available	occupational exposure
Synthetic Amorphous Silica, Fumed, Crystalline-Free	Inhalation	silicosis	Not classified	Human	NOAEL Not available	occupational exposure
Terpineol	Ingestion	liver	Not classified	Rat	NOAEL 750 mg/kg/day	5 weeks
Terpineol	Ingestion	kidney and/or bladder	Not classified	Rat	NOAEL 750 mg/kg/day	5 weeks
Terpineol	Ingestion	hematopoietic system	Not classified	Rat	NOAEL 750 mg/kg/day	5 weeks
Terpineol	Ingestion	nervous system	Not classified	Rat	NOAEL 750 mg/kg/day	5 weeks
1,2-Benzisothiazolin-3-one	Ingestion	liver	Not classified	Rat	NOAEL 322 mg/kg/day	90 days
1,2-Benzisothiazolin-3-one	Ingestion	hematopoietic system	Not classified	Rat	NOAEL 322 mg/kg/day	90 days
1,2-Benzisothiazolin-3-one	Ingestion	eyes	Not classified	Rat	NOAEL 322 mg/kg/day	90 days
1,2-Benzisothiazolin-3-one	Ingestion	kidney and/or bladder	Not classified	Rat	NOAEL 322 mg/kg/day	90 days
1,2-Benzisothiazolin-3-one	Ingestion	respiratory system	Not classified	Rat	NOAEL 322 mg/kg/day	90 days
1,2-Benzisothiazolin-3-one	Ingestion	heart	Not classified	Rat	NOAEL 150 mg/kg/day	28 days
1,2-Benzisothiazolin-3-one	Ingestion	endocrine system	Not classified	Rat	NOAEL 150 mg/kg/day	28 days
1,2-Benzisothiazolin-3-one	Ingestion	nervous system	Not classified	Rat	NOAEL 150 mg/kg/day	28 days
Naphthalene	Dermal	blood	Causes damage to organs through prolonged or repeated exposure	Human	NOAEL Not available	poisoning and/or abuse
Naphthalene	Dermal	eyes	Not classified	Human	NOAEL Not available	occupational exposure
Naphthalene	Inhalation	respiratory system	Causes damage to organs through prolonged or repeated exposure	Rat	LOAEL 0.01 mg/l	13 weeks
Naphthalene	Inhalation	blood	Causes damage to organs through prolonged or repeated exposure	Human	NOAEL Not available	poisoning and/or abuse
Naphthalene	Inhalation	eyes	Not classified	Human	NOAEL Not available	occupational exposure
Naphthalene	Ingestion	blood	Causes damage to organs through prolonged or repeated exposure	Human	NOAEL Not available	poisoning and/or abuse
Naphthalene	Ingestion	eyes	May cause damage to organs though prolonged or repeated exposure	Rabbit	LOAEL 500 mg/kg/day	15 days

Aspiration Hazard

Name	Value
Hydrotreatred Light Petroleum Distillates	Aspiration hazard
White Mineral Oil (Petroleum)	Aspiration hazard

Naphtha (Petroleum), Hydrodesulfurized Heavy	Aspiration hazard
Heavy Aromatic Solvent Naptha (Petroleum)	Aspiration hazard
Solvent Refined Hydrotreated Middle Distillate	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

Ecotoxicological information

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

Chemical fate information

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

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

For Transport Information, please visit http://3M.com/Transportinfo or call 1-800-364-3577 or 651-737-6501.

SECTION 15: Regulatory information

15.1. US Federal Regulations

Contact 3M for more information.

EPCRA 311/312 Hazard Classifications:

Physical Hazards
Not Applicable.

Health Hazards
Reproductive toxicity
Respiratory or Skin Sensitization
Specific target organ toxicity (single or repeated exposure)

Section 313 Toxic Chemicals subject to the reporting requirements of that section and 40 CFR part 372 (EPCRA):

Ingredient	C.A.S. No	% by Wt
Aluminum Oxide	1344-28-1	20 - 25

15.2. State Regulations
Contact 3M for more information.

15.3. Chemical Inventories
Contact 3M for more information.

15.4. International Regulations
Contact 3M for more information.

This SDS has been prepared to meet the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200.

SECTION 16: Other information

NFPA Hazard Classification
Health: 2 **Flammability:** 1 **Instability:** 0 **Special Hazards:** None

National Fire Protection Association (NFPA) hazard ratings are designed for use by emergency response personnel to address the hazards that are presented by short-term, acute exposure to a material under conditions of fire, spill, or similar emergencies. Hazard ratings are primarily based on the inherent physical and toxic properties of the material but also include the toxic properties of combustion or decomposition products that are known to be generated in significant quantities.

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