



Safety Data Sheet

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Revision date: 06/04/2011 **Supersedes date:** 22/02/2011
Transportation version number: 1.01 (07/02/2011)

This Safety Data Sheet has been prepared in accordance with the REACH Regulation (EC) 1907/2006 and its modifications.

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

3M 80349 Perfect-It III Extra Fine Compound

Product identification numbers

GC-8009-7422-9 GC-8009-7423-7 GC-8009-7424-5 GC-8009-7425-2 GC-8010-4281-0
GC-8010-4341-2 GC-8010-4342-0

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

Identified uses

Automotive.

1.3. Details of the supplier of the substance or mixture

Address: 3M United Kingdom PLC, 3M Centre, Cain Road, Bracknell, Berkshire, RG12 8HT.

E Mail: tox.uk@mmm.com

Website: www.3M.com/uk

1.4. Emergency telephone number

+44 (0)1344 858 000

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Dangerous substances(67/548/EEC)/preparations(1999/45/EC) directive

Indication of danger

Flammable

2.2. Label elements

PRECAUTIONARY STATEMENTS

General:

P102 Keep out of reach of children.

3M 80349 Perfect-It III Extra Fine Compound**Dangerous substances(67/548/EEC)/preparations(1999/45/EC) directive**

Symbols None.

Contains:

No ingredients are assigned to the label.

Risk phrases

R10 Flammable.
R67 Vapours may cause drowsiness and dizziness.
R66 Repeated exposure may cause skin dryness or cracking.
R52/53 Harmful to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

Safety phrases

S23A Do not breathe vapour.
S24 Avoid contact with skin.
S62 If swallowed, do not induce vomiting: Seek medical advice immediately and show this container or label.
S61 Avoid release to the environment. Refer to special instructions/safety data sheets.
S2 Keep out of the reach of children.

Notes on labelling

R65 is not required on the label due to the product's viscosity.

Nota P applied to CAS 64742-82-1.

2.3. Other hazards

None known.

SECTION 3: Composition/information on ingredients

| Ingredient | CAS Nbr | EU Inventory | % by Wt | Classification |
|---|------------|------------------|---------|--|
| Non-hazardous ingredients | Mixture | | 60 - 90 | |
| Distillates (petroleum), hydrotreated light | 64742-47-8 | EINECS 265-149-8 | 5 - 10 | Xn:R65 - Nota 4,H (EU) R66; R67 (Self Classified) N:R51/53 (Concawe no. 01/54) Asp. Tox. 1, H304 - Nota H (CLP) STOT SE 3, H336 (Self Classified) Aquatic Chronic 2, H411 (Concawe no. 01/54) |
| Naphtha (petroleum), hydrodesulphurised heavy | 64742-82-1 | EINECS 265-185-4 | 5 - 10 | Xn:R65 - Nota 4,H,P (EU) R10 (Vendor) R52; R66; R67 (Self Classified) Asp. Tox. 1, H304 - Nota H,P (CLP) Flam. Liq. 3, H226 (Vendor) STOT SE 3, H336 (Self Classified) |
| Aluminium oxide (REACH Reg. No.:01- | 1344-28-1 | EINECS 215- | 3 - 7 | STOT RE 2, H373 (Self |

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| | | | | |
|-------------------------------|-----------|------------------|-------|---|
| 2119529248-35) | | 691-6 | | Classified) |
| White mineral oil (petroleum) | 8042-47-5 | EINECS 232-455-8 | 1 - 5 | Xn:R65; R53 (Self Classified) Asp. Tox. 1, H304; Aquatic Chronic 2, H413 (Self Classified) |

Please see section 16 for the full text of any R phrases and H statements referred to in this section

Please refer to section 15 for the any applicable Notas that have been applied to the above components

For information on ingredient occupational exposure limits or PBT or vPvB status, see sections 8 and 12 of this SDS

SECTION 4: First aid measures**4.1. Description of first aid measures****Eye contact**

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

Inhalation

Remove person to fresh air. If you feel unwell, 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. Extinguishing media**

In case of fire: Use a fire fighting agent suitable for flammable liquids or gases such as dry chemical or carbon dioxide.

5.2. Special hazards arising from the substance or mixture

Closed containers exposed to heat from fire may build pressure and explode.

Hazardous Decomposition or By-Products**Substance**

Carbon monoxide.
Carbon dioxide.
Irritant vapours or gases.

Condition

During combustion.
During combustion.
During combustion.

5.3. Advice for fire-fighters

Water may not effectively extinguish fire; however, it should be used to keep fire-exposed containers and surfaces cool and prevent explosive rupture.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Refer to other sections of this SDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment. Evacuate area. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Ventilate the area with fresh air. For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapours, in accordance with good industrial hygiene practice. Warning: A motor could be an ignition source and could cause flammable gases or vapours in the spill area to burn or explode. Use only non-sparking tools.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Contain spill. Cover spill area with a fire-extinguishing foam designed for use on solvents, such as alcohols and acetone, that can dissolve in water. An AR-AFFF type foam is recommended. 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 toxic, corrosivity or flammability hazard. Collect as much of the spilled material as possible using non-sparking tools. Clean up residue with detergent and water. Seal the container.

6.4. Reference to other sections

Refer to Section 8 and Section 13 for more information

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Vapours may travel long distances along the ground or floor to an ignition source and flash back. Do not use in a confined area or areas with little or no air movement. Keep out of reach of children. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Use explosion-proof electrical/ventilating/lighting/equipment. Do not breathe dust/fume/gas/mist/vapours/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. Avoid release to the environment. Avoid contact with oxidising agents (eg. chlorine, chromic acid etc.) Wear low static or properly grounded shoes.

7.2. Conditions for safe storage including any incompatibilities

Store in a well-ventilated place. Keep container tightly closed. Store away from heat. Store away from acids. Store away from oxidising agents.

7.3. Specific end use(s)

See information in Section 7.1 and 7.2 for handling and storage recommendations. See Section 8 for exposure controls and personal protection recommendations.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

| Ingredient | CAS Nbr | Agency | Limit type | Additional comments |
|-----------------|-----------|------------------------------|--|---------------------|
| Aluminium oxide | 1344-28-1 | Health and Safety Comm. (UK) | TWA(as inhalable dust):10 mg/m ³ ;TWA(as respirable dust):4 mg/m ³ | |

Health and Safety Comm. (UK) : UK Health and Safety Commission

TWA: Time-Weighted-Average

STEL: Short Term Exposure Limit

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

8.2. Exposure controls

8.2.1. Engineering controls

Use explosion-proof ventilation equipment. 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

Wear eye/face protection.
The following eye protection(s) are recommended: Safety glasses with side shields.
Indirect vented goggles.

Skin/hand protection

Wear protective gloves.
Gloves made from the following material(s) are recommended: Nitrile rubber.

Respiratory protection

Wear respiratory protection if ventilation is inadequate to prevent overexposure.
Select one of the following approved respirators based on airborne concentration of contaminants and in accordance with regulations:
Half facepiece or fullface air-purifying respirator with organic vapour cartridges and P3 particulate prefilters.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|---|---|
| Physical state | Liquid. |
| Specific Physical Form: | Emulsion |
| Appearance/Odour | White in colour, light solvent odour. |
| Boiling point/boiling range | 100 °C |
| Melting point | <i>No data available.</i> |
| Flammability (solid, gas) | Flammable liquid: Category 3. |
| Explosive properties | Not classified |
| Oxidising properties | Not classified |
| Flash point | 48.8 °C [<i>Test Method:</i> Closed Cup] |
| Flammable Limits(LEL) | <i>No data available.</i> |
| Flammable Limits(UEL) | <i>No data available.</i> |
| Vapour pressure | <i>No data available.</i> |
| Relative density | 0.97 [<i>Ref Std:</i> WATER=1] |
| Water solubility | <i>No data available.</i> |
| Water solubility | Moderate |
| Partition coefficient: n-octanol/water | <i>No data available.</i> |
| Evaporation rate | <i>No data available.</i> |
| Vapour density | <i>No data available.</i> |
| Viscosity | 30 Pa-s - 40 Pa-s |
| Density | 0.95 - 0.99 g/cm ³ |

9.2. Other information

| | |
|----------------------------------|--|
| Volatile organic compounds (VOC) | <= 15 % weight [<i>Test Method</i> :calculated SCAQMD rule 443.1] |
| Percent volatile | 70 - 90 % weight |
| VOC less H2O & exempt solvents | 546.01 g/l [<i>Test Method</i> :calculated SCAQMD rule 443.1] |

SECTION 10: Stability and reactivity

10.1 Reactivity

This material is considered to be non reactive under normal use conditions

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

Alkali and alkaline earth metals.

Strong acids.

Strong oxidising agents.

10.6 Hazardous decomposition products

| <u>Substance</u> | <u>Condition</u> |
|------------------|------------------|
| None known. | |

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:

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.

Skin contact

Moderate skin irritation: Signs/symptoms may include localised redness, swelling, itching, and dryness.

Inhalation

Respiratory tract irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose

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and throat pain.

Ingestion

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

Target Organ Effects:

Central nervous system (CNS) depression: Signs/symptoms may include headache, dizziness, drowsiness, incoordination, nausea, slowed reaction time, slurred speech, giddiness, and unconsciousness.

Prolonged or repeated exposure may cause:

Pneumoconiosis: Sign/symptoms may include persistent cough, breathlessness, chest pain, increased amounts of sputum, and changes in lung function tests.

Toxicological Data**Acute Toxicity**

| Name | Route | Species | Value | UN GHS Classification |
|---|--------------------------------|---------|--|-----------------------------|
| Overall product | Ingestion | | No test data available; calculated ATE >5000 mg/kg | Not classified (0% unknown) |
| Distillates (petroleum), hydrotreated light | Dermal | Rabbit | LD50 > 3160 mg/kg | Category5 |
| Distillates (petroleum), hydrotreated light | Inhalation-Dust/Mist (4 hours) | Rat | LC50 > 3.0 mg/l | Not classified |
| Distillates (petroleum), hydrotreated light | Ingestion | Rat | LD50 > 5000 mg/kg | Not classified |
| Naphtha (petroleum), hydrodesulphurised heavy | Dermal | Rabbit | LD50 > 3000 mg/kg | Category5 |
| Naphtha (petroleum), hydrodesulphurised heavy | Inhalation-Vapor (4 hours) | Rat | LC50 estimated to be 20 - 50 Units not avail. or not appl. | Category5 |
| Naphtha (petroleum), hydrodesulphurised heavy | Ingestion | Rat | LD50 > 5000 mg/kg | Not classified |
| Aluminium oxide | Inhalation-Dust/Mist (4 hours) | Rabbit | LC50 > 1.9 mg/l | Not classified |
| Aluminium oxide | Ingestion | Rat | LD50 > 5000 mg/kg | Not classified |
| White mineral oil (petroleum) | Ingestion | Rat | LD50 > 5000 mg/kg | Not classified |

ATE = acute toxicity estimate

Skin Corrosion/Irritation

| Name | Species | Value | UN GHS Classification |
|---|---------|--|-----------------------|
| Overall product | | No test data available; calculated to be mild irritant | Category 3 |
| Distillates (petroleum), hydrotreated light | | Mild irritant | Category 3 |
| Naphtha (petroleum), hydrodesulphurised heavy | | Mild irritant | Category 3 |
| Aluminium oxide | | No data available | |
| White mineral oil (petroleum) | | Minimal irritation | Not classified |

Serious Eye Damage/Irritation

| Name | Species | Value | UN GHS Classification |
|------|---------|-------|-----------------------|
| | | | |

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| | | | |
|--|--|---|----------------|
| Overall product | | No test data available; calculated to cause no significant irritation | Not classified |
| Distillates (petroleum), hydrotreated light | | Mild irritant | Not classified |
| Naphtha (petroleum), hydrodesulphurised heavy | | Mild irritant | Not classified |
| Aluminium oxide | | No data available | |
| White mineral oil (petroleum) | | Mild irritant | Not classified |

Skin Sensitisation

| Name | Species | Value | UN GHS Classification |
|--|---------|-------------------------|---|
| Overall product | | No test data available. | Not classified based on component data |
| Distillates (petroleum), hydrotreated light | | Not sensitizing | Not classified |
| Naphtha (petroleum), hydrodesulphurised heavy | | Not sensitizing | Not classified |
| Aluminium oxide | | No data available | |
| White mineral oil (petroleum) | | Not sensitizing | Not classified |

Respiratory Sensitisation

| Name | Species | Value | UN GHS Classification |
|--|---------|-------------------------|---|
| Overall product | | No test data available. | Not classified based on component data |
| Distillates (petroleum), hydrotreated light | | No data available | |
| Naphtha (petroleum), hydrodesulphurised heavy | | No data available | |
| Aluminium oxide | | No data available | |
| White mineral oil (petroleum) | | No data available | |

Germ Cell Mutagenicity

| Name | Route | Value | UN GHS Classification |
|--|------------|--|---|
| Overall product | | No data available | Overall Germ Cell Mutagenicity classification Not classified |
| Overall product | | No test data available. | |
| Distillates (petroleum), hydrotreated light | In Vitro | Not mutagenic | Not classified |
| Naphtha (petroleum), hydrodesulphurised heavy | Inhalation | Not mutagenic | Not classified |
| Naphtha (petroleum), hydrodesulphurised heavy | In Vitro | Some positive data exist, but the data are not sufficient for classification | Not classified |
| Aluminium oxide | In Vitro | Not mutagenic | Not classified |
| White mineral oil (petroleum) | In Vitro | Not mutagenic | Not classified |

Carcinogenicity

| Name | Route | Species | Value | UN GHS Classification |
|--------------------------|--------|---------|-------------------------|---|
| Overall product | | | No test data available. | Not classified based on component data |
| Distillates (petroleum), | Dermal | | Some positive data | Not classified |

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| | | | | |
|---|------------|--|--|----------------|
| hydrotreated light | | | exist, but the data are not sufficient for classification | |
| Naphtha (petroleum), hydrodesulphurised heavy | Dermal | | Some positive data exist, but the data are not sufficient for classification | Not classified |
| Naphtha (petroleum), hydrodesulphurised heavy | Inhalation | | Some positive data exist, but the data are not sufficient for classification | Not classified |
| Aluminium oxide | Inhalation | | Not carcinogenic | Not classified |
| White mineral oil (petroleum) | Dermal | | Not carcinogenic | Not classified |
| White mineral oil (petroleum) | Inhalation | | Not carcinogenic | Not classified |

Reproductive Toxicity**Reproductive and/or Developmental Effects**

| Name | Route | Value | Species | Test result | Exposure Duration | UN GHS Classification |
|---|------------|--|---------|----------------------|-------------------|--|
| Overall product | | No test data available. | | | | Not classified based on component data |
| Distillates (petroleum), hydrotreated light | Inhalation | Not toxic to reproduction and/or development | | NOAEL 364 ppm | | |
| Naphtha (petroleum), hydrodesulphurised heavy | Inhalation | Not toxic to reproduction and/or development | | NOAEL 2.356 mg/l | | |
| Aluminium oxide | | No data available | | | | |
| White mineral oil (petroleum) | Ingestion | Not toxic to reproduction and/or development | | NOAEL 4350 mg/kg/day | | |

Target Organ(s)**Specific Target Organ Toxicity - single exposure**

| Name | Route | Target Organ(s) | Value | Species | Test result | Exposure Duration | UN GHS Classification |
|---|------------|-----------------------------------|--|---------|---------------------|-------------------|-----------------------|
| Distillates (petroleum), hydrotreated light | Inhalation | central nervous system depression | May cause drowsiness or dizziness | | NOAEL N/A | | Category 3 |
| Distillates (petroleum), hydrotreated light | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | | Irritation Positive | | Not classified |
| Naphtha (petroleum), | Inhalation | central nervous | May cause drowsiness or | | NOAEL N/A | | Category 3 |

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| | | | | | | | |
|---|------------|------------------------|--|--|---------------------|--|----------------|
| hydrodesulphurised heavy | | system depression | dizziness | | | | |
| Naphtha (petroleum), hydrodesulphurised heavy | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | | Irritation Positive | | Not classified |
| Naphtha (petroleum), hydrodesulphurised heavy | Inhalation | nervous system | Some positive data exist, but the data are not sufficient for classification | | NOEL 6.5 mg/l | | Not classified |
| Naphtha (petroleum), hydrodesulphurised heavy | Inhalation | respiratory system | Some positive data exist, but the data are not sufficient for classification | | NOEL 2.4 mg/l | | Not classified |
| Naphtha (petroleum), hydrodesulphurised heavy | Inhalation | heart | All data are negative | | NOAEL 2.5 mg/l | | Not classified |
| Naphtha (petroleum), hydrodesulphurised heavy | Inhalation | liver | All data are negative | | NOAEL 0.610 mg/l | | Not classified |
| Naphtha (petroleum), hydrodesulphurised heavy | Inhalation | muscles | All data are negative | | NOAEL 0.61 mg/l | | Not classified |
| Naphtha (petroleum), hydrodesulphurised heavy | Inhalation | kidney and/or bladder | All data are negative | | NOAEL 0.610 mg/l | | Not classified |
| Aluminium oxide | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | | Irritation Positive | | Not classified |
| White mineral oil (petroleum) | | | No data available | | | | |

Specific Target Organ Toxicity - repeated exposure

| Name | Route | Target Organ(s) | Value | Species | Test result | Exposure Duration | UN GHS Classification |
|---------|-------|-----------------|--------------|---------|-------------|-------------------|-----------------------|
| Overall | | | No test data | | | | Category 2 |

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| product | | | available. | | | | based on component data |
|--|------------|---------------------------------|--|--|------------------------|--|-------------------------|
| Distillates (petroleum), hydrotreated light | Dermal | bone, teeth, nails, and/or hair | Some positive data exist, but the data are not sufficient for classification | | NOEL N/A | | Not classified |
| Distillates (petroleum), hydrotreated light | Dermal | liver | Some positive data exist, but the data are not sufficient for classification | | NOEL 1000 mg/kg/day | | Not classified |
| Distillates (petroleum), hydrotreated light | Inhalation | hematopoietic system | All data are negative | | NOAEL 0.1 mg/l | | Not classified |
| Distillates (petroleum), hydrotreated light | Ingestion | liver | Some positive data exist, but the data are not sufficient for classification | | NOEL 100 mg/kg/day | | Not classified |
| Distillates (petroleum), hydrotreated light | Ingestion | kidney and/or bladder | Some positive data exist, but the data are not sufficient for classification | | LOAEL 100 mg/kg | | Not classified |
| Naphtha (petroleum), hydrodesulfurised heavy | Dermal | nervous system | Some positive data exist, but the data are not sufficient for classification | | LOEL 691 mg/kg | | Not classified |
| Naphtha (petroleum), hydrodesulfurised heavy | Inhalation | endocrine system muscles | Some positive data exist, but the data are not sufficient for classification | | LOEL 0.616 mg/l | | Not classified |
| Naphtha (petroleum), hydrodesulfurised heavy | Inhalation | nervous system | Some positive data exist, but the data are not sufficient for classification | | LOEL 4.580 mg/l | | Not classified |
| Naphtha (petroleum), hydrodesulfurised heavy | Inhalation | kidney and/or bladder | Some positive data exist, but the data are not sufficient for classification | | LOEL 0.57 mg/l | | Not classified |
| Naphtha (petroleum), hydrodesulfurised heavy | Inhalation | respiratory system | Some positive data exist, but the data are not sufficient for classification | | NOEL 0.619 mg/l | | Not classified |
| Naphtha (petroleum), hydrodesulfurised | Inhalation | heart | All data are negative | | NOAEL 1.271 mg/l | | Not classified |

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| | | | | | | |
|---|------------|---|--|--|--------------------|----------------|
| heavy | | | | | | |
| Naphtha (petroleum), hydrodesulphurised heavy | Inhalation | bone, teeth, nails, and/or hair blood liver | All data are negative | | NOAEL 5.62 mg/l | Not classified |
| Naphtha (petroleum), hydrodesulphurised heavy | Inhalation | immune system | All data are negative | | NOAEL 0.616 mg/l | Not classified |
| Aluminium oxide | Inhalation | pneumococcosis | May cause damage to organs though prolonged or repeated exposure | | NOAEL N/A | Category 2 |
| Aluminium oxide | Inhalation | pulmonary fibrosis | Some positive data exist, but the data are not sufficient for classification | | NOAEL N/A | Not classified |
| White mineral oil (petroleum) | Ingestion | hematopoietic system | Some positive data exist, but the data are not sufficient for classification | | LOEL 340 mg/kg/day | Not classified |
| White mineral oil (petroleum) | Ingestion | liver immune system | Some positive data exist, but the data are not sufficient for classification | | NOEL 6.4 mg/kg/day | Not classified |

Aspiration Hazard

| Name | Value | UN GHS Classification |
|---|--------------------------|---|
| Overall product | No test data available. | Not classified based on component and/or viscosity data |
| Distillates (petroleum), hydrotreated light | Aspiration hazard | Category 1 |
| Naphtha (petroleum), hydrodesulphurised heavy | Aspiration hazard | Category 1 |
| Aluminium oxide | Not an aspiration hazard | Not classified |
| White mineral oil (petroleum) | Aspiration hazard | Category 1 |

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.

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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.

No component test data available.

12.2. Persistence and degradability

No test data available.

12.3 : Bioaccumulative potential

No test data available.

12.4. Mobility in soil

Please contact manufacturer for more details

12.5. Results of the PBT and vPvB assessment

No information available at this time, contact manufacturer for more details

12.6. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

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

Incinerate in a permitted hazardous waste incinerator. As a disposal alternative, dispose of waste product in a permitted hazardous waste facility.

The coding of a waste stream is based on the application of the product by the consumer. Since this is out of the control of 3M, no waste code(s) for products after use will be provided. Please refer to the European Waste Code (EWC - 2000/532/EC and amendments) to assign the correct waste code to your waste stream. Ensure national and/or regional regulations are complied with and always use a licensed waste contractor.

EU waste code (product as sold)

120109* Machining emulsions and solutions free of halogens

SECTION 14: Transportation information

GC-8009-7422-9, GC-8009-7423-7, GC-8009-7424-5, GC-8009-7425-2

ADR/RID: UN1263, PAINT, LIMITED QUANTITY, 3., III, (--), ADR Classification Code: F1.

IMDG-CODE: UN1263, PAINTS, 3, III, LIMITED QUANTITY, EMS: FE,SE.

ICAO/IATA: UN1263, PAINTS, 3., III, LIMITED QUANTITY.

GC-8010-4281-0

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ADR/RID: UN1263, PAINT, 3., III, (D/E), ADR Classification Code: F1.

IMDG-CODE: UN1263, PAINT, 3, III, EMS: FE,SE.

ICAO/IATA: UN1263, PAINT, 3., III.

GC-8010-4341-2, GC-8010-4342-0

ADR/RID: UN1263, PAINT, LIMITED QUANTITY, 3., III, (--), ADR Classification Code: F1.

IMDG-CODE: UN1263, PAINTS, 3, III, LIMITED QUANTITY, EMS: FE,SE.

ICAO/IATA: UN1263, PAINTS, 3., III, LIMITED QUANTITY.

SECTION 15: Regulatory information

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

Global inventory status

All applicable chemical ingredients in this material are listed on the European Inventory of Existing Chemical Substances (EINECS), or are exempt polymers whose monomers are listed on EINECS. Contact 3M for more information. The components of this material are in compliance with the provisions of the Korean Toxic Chemical Control Law. 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 Japan Chemical Substance Control Law. 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. The components of this product are in compliance with the new substance notification requirements of CEPA. The components of this product are in compliance with the chemical notification requirements of TSCA.

15.2. Chemical Safety Assessment

Not applicable

SECTION 16: Other information

List of relevant H statements

| | |
|------|--|
| H226 | Flammable liquid and vapour. |
| H304 | May be fatal if swallowed and enters airways. |
| H336 | May cause drowsiness or dizziness. |
| H373 | May cause damage to organs through prolonged or repeated exposure. |
| H411 | Toxic to aquatic life with long lasting effects. |
| H413 | May cause long lasting harmful effects to aquatic life. |

List of relevant R-phrases

| | |
|--------|---|
| R10 | Flammable. |
| R51/53 | Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment. |
| R52 | Harmful to aquatic organisms. |
| R53 | May cause long-term adverse effects in the aquatic environment. |
| R65 | Harmful: May cause lung damage if swallowed. |
| R66 | Repeated exposure may cause skin dryness or cracking. |
| R67 | Vapours may cause drowsiness and dizziness. |

Revision information:

Revision Changes:

Section 1: 3M Product identification numbers heading was modified.

Section 3: Composition/ Information of ingredients table was modified.

Section 12: Contact 3M for more details information was modified.

Section 1: Address was modified.

Copyright was modified.

Section 12: No PBT/vPvB information available warning was modified.

Section 7: Precautions safe handling information was modified.

Company logo was added.

Telephone header was added.

Company Telephone was added.

Company Logo was deleted.

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