# Safety Data Sheet

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| **Issue Date:** | 05/13/15 | **Supercedes Date:** | 10/19/10 |

## SECTION 1: Identification

**1.1. Product identifier**
3M(TM) PERFECT-IT (TM) EXTRA CUT RUBBING COMPOUND PN 6060, 6061, 6058, 39018

**Product Identification Numbers**
LB-K000-1068-0, LB-K000-1068-1, LB-K100-1314-5, LB-K100-0349-7, 60-4100-0937-1, 60-4100-0938-9, 60-4400-9540-8, 60-4400-9967-3, 60-4550-5283-1, 60-4550-5284-9, 60-4550-5425-8, 60-9801-0936-1

**1.2. Recommended use and restrictions on use**

**Recommended use**
Automotive, Removal of imperfections from painted surface.

**1.3. Supplier's details**

| | |
|---|---|
| **MANUFACTURER:** | 3M |
| **DIVISION:** | Automotive Aftermarket |
| **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

The label elements below were prepared in accordance with OSHA Hazard Communication Standard, 29 CFR 1910.1200. This information may be different from the actual product label information for labels regulated by other agencies.

**2.1. Hazard classification**
Flammable Liquid: Category 4.
Skin Sensitizer: Category 1.

**2.2. Label elements**
**Signal word**
Warning

**Symbols**
Exclamation mark |

**Pictograms**

**Hazard Statements**
Combustible liquid.

May cause an allergic skin reaction.

**Precautionary Statements**
**General:**
Keep out of reach of children.

**Prevention:**
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Avoid breathing dust/fume/gas/mist/vapors/spray.
Wear protective gloves and eye/face protection.
Contaminated work clothing must not be allowed out of the workplace.

**Response:**
IF ON SKIN: Wash with plenty of soap and water.
If skin irritation or rash occurs: Get medical advice/attention.
Wash contaminated clothing before reuse.
In case of fire: Use a fire fighting agent suitable for flammable liquids such as dry chemical or carbon dioxide to extinguish.

**Storage:**
Store in a well-ventilated place. Keep cool.

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

**2.3. Hazards not otherwise classified**
None.

## SECTION 3: Composition/information on ingredients

| Ingredient | C.A.S. No. | % by Wt |
|---|---|---|
| Water | 7732-18-5 | 40 - 70 Trade Secret * |
| Aluminum Oxide | 1344-28-1 | 10 - 30 Trade Secret * |
| Hydrotreated Light Petroleum Distillates | 64742-47-8 | 7 - 13 Trade Secret * |
| Hydrotreated Heavy Naphtha (Petroleum) | 64742-48-9 | 3 - 7 Trade Secret * |
| Decamethylcyclopentasiloxane | 541-02-6 | < 7 Trade Secret * |
| Dodecamethylcyclohexasiloxane | 540-97-6 | < 5 Trade Secret * |
| Glycerin | 56-81-5 | 1 - 5 Trade Secret * |
| Solvent-Refined Heavy Paraffinic Petroleum Distillates | 64741-88-4 | 0.5 - 1.5 Trade Secret * |
| Ethylene Oxide, Polymer with Ethylenediamine and Propylene Oxide | 26316-40-5 | <= 0.75 Trade Secret * |
| Distillates, Petroleum, Solvent-Refined Light Paraffinic | 64741-89-5 | < 0.5 Trade Secret * |

*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**
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 fire fighting agent suitable for flammable liquids such as dry chemical or carbon dioxide to extinguish.

**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 | Condition |
|---|---|
| Formaldehyde | During Combustion |
| Carbon monoxide | During Combustion |
| Carbon dioxide | During Combustion |
| Irritant Vapors or Gases | During Combustion |
| Oxides of Nitrogen | During Combustion |

**5.3. Special protective actions 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**
Evacuate area. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use only non-sparking tools. 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. Warning! A motor could be an ignition source and could cause flammable gases or vapors in the spill area to burn or explode. Refer to other sections of this SDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment.

**6.2. Environmental precautions**
Avoid release to the environment. For larger spills, cover drains and build 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 using non-sparking tools. 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.

## SECTION 7: Handling and storage

**7.1. Precautions for safe handling**
Keep out of reach of children. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Avoid breathing 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. Wash contaminated clothing before reuse. Avoid contact with oxidizing agents (eg. chlorine, chromic acid etc.)

**7.2. Conditions for safe storage including any incompatibilities**
Store in a well-ventilated place. Keep cool. 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, insoluble compounds | 1344-28-1 | ACGIH | TWA(respirable fraction):1 mg/m3 | A4: Not class. as human carcin |
| Aluminum Oxide | 1344-28-1 | OSHA | TWA(as total dust):15 mg/m3;TWA(respirable fraction):5 mg/m3 | |
| Aluminum Oxide | 1344-28-1 | CMRG | TWA:1 fiber/cc | |
| Decamethylcyclopentasiloxane | 541-02-6 | CMRG | TWA:10 ppm | |
| Glycerin | 56-81-5 | OSHA | TWA(as total dust):15 mg/m3;TWA(respirable fraction):5 mg/m3 | |
| Paraffin oil | 64741-88-4 | OSHA | TWA(as mist):5 mg/m3 | |
| Mineral oils (untreated and mildly treated) | 64741-88-4 | ACGIH | Limit value not established: | Cntrl all exposr-low as possib, A2: Suspected human carcin. |
| MINERAL OILS, HIGHLY-REFINED OILS | 64741-88-4 | ACGIH | TWA(inhalable fraction):5 mg/m3 | A4: Not class. as human carcin |
| PETROLEUM DISTILLATES | 64741-88-4 | OSHA | TWA:2000 mg/m3(500 ppm) | |
| Solvent-Refined Heavy Paraffinic Petroleum Distillates | 64741-88-4 | CMRG | TWA:5 mg/m3 | |
| MINERAL OILS, HIGHLY-REFINED OILS | 64741-89-5 | ACGIH | TWA(inhalable fraction):5 mg/m3 | A4: Not class. as human carcin |
| Paraffin oil | 64741-89-5 | OSHA | TWA(as mist):5 mg/m3 | |
| Mineral oils (untreated and | 64741-89-5 | ACGIH | Limit value not established: | Cntrl all exposr-low as |

| | | | | |
|---|---|---|---|---|
| mildly treated) | | | | possib, A2: Suspected human carcin. |
| Kerosine (petroleum) | 64742-47-8 | ACGIH | TWA(as total hydrocarbon vapor, non-aerosol):200 mg/m3 | A3: Confirmed animal carcin., Skin Notation |
| Hydrotreated Light Petroleum Distillates | 64742-47-8 | CMRG | TWA:165 ppm | |
| Hydrotreated Heavy Naphtha (Petroleum) | 64742-48-9 | Manufacturer determined | TWA:100 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:
Indirect Vented Goggles

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

If this product is used in a manner that presents a higher potential for exposure (eg. spraying, high splash potential etc.), then use of protective coveralls may be necessary. Select and use body protection to prevent contact based on the results of an exposure assessment. The following protective clothing material(s) are recommended: Apron - polymer laminate

**Respiratory protection**

In case of inadequate ventilation wear 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**

| | |
|---|---|
| **General Physical Form:** | Liquid |
| **Specific Physical Form:** | Emulsion |

| | |
|---|---|
| **Odor, Color, Grade:** | Slight solvent odor, white emulsion |
| **Odor threshold** | *No Data Available* |
| **pH** | 8 |
| **Melting point** | *No Data Available* |
| **Boiling Point** | 212 ºF |
| **Flash Point** | 188 ºF [*Test Method:* Closed Cup] |
| **Evaporation rate** | *No Data Available* |
| **Flammability (solid, gas)** | Not Applicable |
| **Flammable Limits(LEL)** | *No Data Available* |
| **Flammable Limits(UEL)** | *No Data Available* |
| **Vapor Pressure** | *No Data Available* |
| **Vapor Density** | *No Data Available* |
| **Density** | 1 g/ml |
| **Specific Gravity** | 1 [*Ref Std:* WATER=1] |
| **Solubility in Water** | Negligible |
| **Solubility- non-water** | *No Data Available* |
| **Partition coefficient: n-octanol/ water** | *No Data Available* |
| **Autoignition temperature** | *No Data Available* |
| **Decomposition temperature** | *No Data Available* |
| **Viscosity** | 22,000 - 28,000 centipoise |
| **Hazardous Air Pollutants** | 0.022 lb HAPS/lb solids [*Test Method:* Calculated] |
| **Volatile Organic Compounds** | 153 g/l [*Test Method:* calculated SCAQMD rule 443.1] |
| **Volatile Organic Compounds** | 15.2 % weight [*Test Method:* calculated per CARB title 2] |
| **Percent volatile** | 70.3 % weight |
| **VOC Less H2O & Exempt Solvents** | 341 g/l [*Test Method:* 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 polymerization will not occur.

**10.4. Conditions to avoid**
None known.

**10.5. Incompatible materials**
None known.

**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.

**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:**
Contact with the eyes during product use is not expected to result in significant irritation.

**Ingestion:**
Gastrointestinal Irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

**Carcinogenicity:**

| Ingredient | CAS No. | Class Description | Regulation |
|---|---|---|---|
| Generic: Mineral oils (untreated and mildly treated) | 64741-88-4 | Grp. 1: Carcinogenic to humans | International Agency for Research on Cancer |
| Generic: Mineral oils (untreated and mildly treated) | 64741-88-4 | Known human carcinogen | National Toxicology Program Carcinogens |
| Generic: Mineral oils (untreated and mildly treated) | 64741-89-5 | Grp. 1: Carcinogenic to humans | International Agency for Research on Cancer |
| Generic: Mineral oils (untreated and mildly treated) | 64741-89-5 | Known 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 | 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 |
| Hydrotreated Light Petroleum Distillates | Dermal | Rabbit | LD50 > 3,160 mg/kg |
| Hydrotreated Light Petroleum Distillates | Inhalation-Dust/Mist (4 hours) | Rat | LC50 > 3.0 mg/l |
| Hydrotreated Light Petroleum Distillates | Ingestion | Rat | LD50 > 5,000 mg/kg |
| Hydrotreated Heavy Naphtha (Petroleum) | Inhalation-Vapor | | LC50 estimated to be 20 - 50 mg/l |
| Hydrotreated Heavy Naphtha (Petroleum) | Dermal | Rabbit | LD50 > 3,000 mg/kg |
| Hydrotreated Heavy Naphtha (Petroleum) | Ingestion | Rat | LD50 > 5,000 mg/kg |
| Decamethylcyclopentasiloxane | Dermal | Rabbit | LD50 > 15,000 mg/kg |
| Decamethylcyclopentasiloxane | Inhalation-Dust/Mist | Rat | LC50 8.7 mg/l |

| | | | |
|---|---|---|---|
| | (4 hours) | | |
| Decamethylcyclopentasiloxane | Ingestion | Rat | LD50 > 24,134 mg/kg |
| Glycerin | Dermal | Rabbit | LD50 estimated to be > 5,000 mg/kg |
| Glycerin | Ingestion | Rat | LD50 > 5,000 mg/kg |
| Dodecamethylcyclohexasiloxane | Dermal | Rat | LD50 > 2,000 mg/kg |
| Dodecamethylcyclohexasiloxane | Ingestion | Rat | LD50 > 50,000 mg/kg |
| Solvent-Refined Heavy Paraffinic Petroleum Distillates | Dermal | Rabbit | LD50 > 2,000 mg/kg |
| Solvent-Refined Heavy Paraffinic Petroleum Distillates | Ingestion | Rat | LD50 > 5,000 |
| Distillates, Petroleum, Solvent-Refined Light Paraffinic | Dermal | Rabbit | LD50 > 5,000 mg/kg |
| Distillates, Petroleum, Solvent-Refined Light Paraffinic | Inhalation-Dust/Mist (4 hours) | Rat | LC50 > 4 mg/l |
| Distillates, Petroleum, Solvent-Refined Light Paraffinic | Ingestion | Rat | LD50 > 5,000 mg/kg |

ATE = acute toxicity estimate

**Skin Corrosion/Irritation**

| Name | Species | Value |
|---|---|---|
| Aluminum Oxide | Rabbit | No significant irritation |
| Hydrotreated Light Petroleum Distillates | Rabbit | Mild irritant |
| Hydrotreated Heavy Naphtha (Petroleum) | Rabbit | Irritant |
| Glycerin | Rabbit | No significant irritation |
| Dodecamethylcyclohexasiloxane | Rabbit | No significant irritation |
| Solvent-Refined Heavy Paraffinic Petroleum Distillates | Rabbit | Minimal irritation |
| Distillates, Petroleum, Solvent-Refined Light Paraffinic | Rabbit | Minimal irritation |

**Serious Eye Damage/Irritation**

| Name | Species | Value |
|---|---|---|
| Aluminum Oxide | Rabbit | No significant irritation |
| Hydrotreated Light Petroleum Distillates | Rabbit | Mild irritant |
| Hydrotreated Heavy Naphtha (Petroleum) | Rabbit | No significant irritation |
| Glycerin | Rabbit | No significant irritation |
| Dodecamethylcyclohexasiloxane | Rabbit | No significant irritation |
| Solvent-Refined Heavy Paraffinic Petroleum Distillates | Rabbit | Mild irritant |
| Distillates, Petroleum, Solvent-Refined Light Paraffinic | Rabbit | No significant irritation |

**Skin Sensitization**

| Name | Species | Value |
|---|---|---|
| Hydrotreated Light Petroleum Distillates | Guinea pig | Not sensitizing |
| Hydrotreated Heavy Naphtha (Petroleum) | Guinea pig | Not sensitizing |
| Glycerin | Guinea pig | Not sensitizing |
| Solvent-Refined Heavy Paraffinic Petroleum Distillates | Guinea pig | Not sensitizing |
| Distillates, Petroleum, Solvent-Refined Light Paraffinic | Guinea pig | Not 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 |
| Hydrotreated Light Petroleum Distillates | In Vitro | Not mutagenic |
| Hydrotreated Heavy Naphtha (Petroleum) | In vivo | Not mutagenic |
| Hydrotreated Heavy Naphtha (Petroleum) | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| Solvent-Refined Heavy Paraffinic Petroleum Distillates | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| Distillates, Petroleum, Solvent-Refined Light Paraffinic | In vivo | Not mutagenic |

| | | |
|---|---|---|
| Distillates, Petroleum, Solvent-Refined Light Paraffinic | 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 |
| Hydrotreated Light Petroleum Distillates | Dermal | Mouse | Some positive data exist, but the data are not sufficient for classification |
| Hydrotreated Heavy Naphtha (Petroleum) | Dermal | Mouse | Some positive data exist, but the data are not sufficient for classification |
| Hydrotreated Heavy Naphtha (Petroleum) | Inhalation | Human and animal | Some positive data exist, but the data are not sufficient for classification |
| Glycerin | Ingestion | Mouse | Some positive data exist, but the data are not sufficient for classification |
| Solvent-Refined Heavy Paraffinic Petroleum Distillates | Dermal | Mouse | Some positive data exist, but the data are not sufficient for classification |
| Distillates, Petroleum, Solvent-Refined Light Paraffinic | Dermal | Mouse | Some positive data exist, but the data are not sufficient for classification |

## Reproductive Toxicity

## Reproductive and/or Developmental Effects

| Name | Route | Value | Species | Test Result | Exposure Duration |
|---|---|---|---|---|---|
| Hydrotreated Heavy Naphtha (Petroleum) | Inhalation | Not toxic to development | Rat | NOAEL 2.4 mg/l | during organogenesis |
| Glycerin | Ingestion | Not toxic to female reproduction | Rat | NOAEL 2,000 mg/kg/day | 2 generation |
| Glycerin | Ingestion | Not toxic to male reproduction | Rat | NOAEL 2,000 mg/kg/day | 2 generation |
| Glycerin | Ingestion | Not toxic to development | Rat | NOAEL 2,000 mg/kg/day | 2 generation |
| Dodecamethylcyclohexasiloxane | Ingestion | Not toxic to female reproduction | Rat | NOAEL 1,000 mg/kg/day | premating & during gestation |
| Dodecamethylcyclohexasiloxane | Ingestion | Not toxic to male reproduction | Rat | NOAEL 1,000 mg/kg/day | 28 days |
| Dodecamethylcyclohexasiloxane | Ingestion | Not toxic to development | Rat | NOAEL 1,000 mg/kg/day | premating & during gestation |

## Target Organ(s)

## Specific Target Organ Toxicity - single exposure

| Name | Route | Target Organ(s) | Value | Species | Test Result | Exposure Duration |
|---|---|---|---|---|---|---|
| Hydrotreated Light Petroleum Distillates | Inhalation | central nervous system depression | May cause drowsiness or dizziness | Human and animal | NOAEL Not available | |
| Hydrotreated Light Petroleum Distillates | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | | NOAEL Not available | |
| Hydrotreated Heavy Naphtha (Petroleum) | Inhalation | central nervous system depression | May cause drowsiness or dizziness | Human and animal | NOAEL Not available | |
| Hydrotreated Heavy Naphtha (Petroleum) | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | | NOAEL Not available | |
| Hydrotreated Heavy Naphtha (Petroleum) | Inhalation | nervous system | Some positive data exist, but the data are not sufficient for | Dog | NOAEL 6.5 mg/l | 4 hours |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | classification | | | |
| Solvent-Refined Heavy Paraffinic Petroleum Distillates | Inhalation | central nervous system depression | Some positive data exist, but the data are not sufficient for classification | | NOAEL Not available | |

**Specific Target Organ Toxicity - repeated exposure**

| Name | Route | Target Organ(s) | Value | Species | Test Result | Exposure Duration |
|---|---|---|---|---|---|---|
| Aluminum Oxide | Inhalation | pneumoconiosis \| pulmonary fibrosis | Some positive data exist, but the data are not sufficient for classification | Human | NOAEL Not available | occupational exposure |
| Hydrotreated Heavy Naphtha (Petroleum) | Inhalation | nervous system | Some positive data exist, but the data are not sufficient for classification | Rat | LOAEL 4.6 mg/l | 6 months |
| Hydrotreated Heavy Naphtha (Petroleum) | Inhalation | kidney and/or bladder | Some positive data exist, but the data are not sufficient for classification | Rat | LOAEL 1.9 mg/l | 13 weeks |
| Hydrotreated Heavy Naphtha (Petroleum) | Inhalation | respiratory system | Some positive data exist, but the data are not sufficient for classification | Multiple animal species | NOAEL 0.6 mg/l | 90 days |
| Hydrotreated Heavy Naphtha (Petroleum) | Inhalation | bone, teeth, nails, and/or hair \| blood \| liver \| muscles | All data are negative | Rat | NOAEL 5.6 mg/l | 12 weeks |
| Hydrotreated Heavy Naphtha (Petroleum) | Inhalation | heart | All data are negative | Multiple animal species | NOAEL 1.3 mg/l | 90 days |
| Glycerin | Inhalation | respiratory system | Some positive data exist, but the data are not sufficient for classification | Rat | NOAEL 3.91 mg/l | 14 days |
| Glycerin | Inhalation | heart \| liver \| kidney and/or bladder | All data are negative | Rat | NOAEL 3.91 mg/l | 14 days |
| Glycerin | Ingestion | endocrine system \| hematopoietic system \| liver \| kidney and/or bladder | All data are negative | Rat | NOAEL 10,000 mg/kg/day | 2 years |
| Dodecamethylcyclohexasiloxane | Ingestion | endocrine system \| liver \| respiratory system | Some positive data exist, but the data are not sufficient for classification | Rat | NOAEL 1,000 mg/kg/day | 28 days |
| Dodecamethylcyclohexasiloxane | Ingestion | nervous system | All data are negative | Rat | NOAEL 1,000 mg/kg/day | 28 days |
| Solvent-Refined Heavy Paraffinic Petroleum Distillates | Inhalation | respiratory system | Some positive data exist, but the data are not sufficient for classification | Rat | NOAEL 0.21 mg/l | 28 days |
| Distillates, Petroleum, Solvent-Refined Light Paraffinic | Dermal | hematopoietic system \| liver \| kidney and/or bladder | All data are negative | Rabbit | NOAEL 5,000 mg/kg/day | 3 weeks |

**Aspiration Hazard**

| Name | Value |
|---|---|
| Hydrotreated Light Petroleum Distillates | Aspiration hazard |
| Hydrotreated Heavy Naphtha (Petroleum) | Aspiration hazard |
| Solvent-Refined Heavy Paraffinic Petroleum Distillates | Aspiration hazard |
| Distillates, Petroleum, Solvent-Refined Light Paraffinic | Aspiration hazard |

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

# SECTION 12: Ecological information

## 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.

Incinerate in a permitted waste incineration facility. Proper destruction may require the use of additional fuel during incineration processes. As a disposal alternative, utilize an acceptable permitted waste disposal facility. 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.

**311/312 Hazard Categories:**

Fire Hazard - Yes Pressure Hazard - No Reactivity Hazard - No Immediate Hazard - Yes Delayed Hazard - No

**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 | 10 - 30 |
| Aluminum Oxide (ALUMINUM OXIDE (FIBROUS FORMS ONLY)) | 1344-28-1 | 10 - 30 |

### 15.2. State Regulations

Contact 3M for more information.

### 15.3. Chemical Inventories

The components of this product are in compliance with the chemical notification requirements of TSCA.

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:** 2 **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.

| | | | |
|---|---|---|---|
| **Document Group:** | 19-3261-5 | **Version Number:** | 11.01 |
| **Issue Date:** | 05/13/15 | **Supercedes Date:** | 10/19/10 |

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