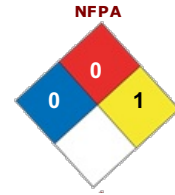


SECTION 1 : PRODUCT AND COMPANY IDENTIFICATION

Product Name: Mineral Oil
Product Code: 0
MSDS Manufacturer Number: Mineral Oil
Manufacturer Name: Saint-Gobain Abrasives, Inc.
Address: 1 New Bond Street
 Worcester, MA 01615
General Phone Number: 508-795-5000
Emergency Phone Number: 508-795-5000
Website: www.Nortonabrasives.com
MSDS Creation Date: August 15, 2009
MSDS Revision Date: June 15, 2014



| HMIS | |
|---------------------|---|
| Health Hazard | 1 |
| Fire Hazard | 0 |
| Reactivity | 1 |
| Personal Protection | X |

SECTION 2 : COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS# | Ingredient Percent | EC Num. |
|---------------------------|-----------|----------------------|-----------|
| Hydrocarbons, mineral oil | 8042-47-5 | 60.0 - 100 by weight | 232-455-8 |

SECTION 3 : HAZARDS IDENTIFICATION

Emergency Overview: DANGER! Pulmonary aspiration hazard if swallowed. Irritant.
Route of Exposure: Eyes. Skin. Inhalation. Ingestion.
Potential Health Effects:
Eye: Can cause moderate irritation, burning sensation, tearing, redness, and swelling.
Skin: Causes skin irritation. Repeated or prolonged contact with the skin may cause dermatitis and allergic skin response in susceptible individuals.
Inhalation: Respiratory tract irritant. High concentration may cause dizziness, headache, and anesthetic effects.
Ingestion: Harmful if swallowed. Aspiration of material into the lungs can cause chemical pneumonitis which can be fatal.
Signs/Symptoms: Overexposure can cause headaches, dizziness, nausea, and vomiting.
Target Organs: Eyes. Skin. Respiratory system. Digestive system.

SECTION 4 : FIRST AID MEASURES

Eye Contact: Immediately flush eyes with plenty of water for at least 15 to 20 minutes. Ensure adequate flushing of the eyes by separating the eyelids with fingers. Get immediate medical attention.
Skin Contact: Immediately wash skin with plenty of soap and water for 15 to 20 minutes, while removing contaminated clothing and shoes. Get medical attention if irritation develops or persists.
Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.
Ingestion: If swallowed, do NOT induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

SECTION 5 : FIRE FIGHTING MEASURES

Flammable Properties: Non Flammable.
Flash Point: Does not apply.
Auto Ignition Temperature: Not determined.
Lower Flammable/Explosive Limit: Not available.

| | |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Upper Flammable/Explosive Limit: | Not available. |
| Fire Fighting Instructions: | Evacuate area of unprotected personnel. Use cold water spray to cool fire exposed containers to minimize risk of rupture. Do not enter confined fire space without full protective gear. If possible, contain fire run-off water. |
| Extinguishing Media: | Alcohol resistant foam, dry chemical, or water spray is recommended. |
| Protective Equipment: | As in any fire, wear Self-Contained Breathing Apparatus (SCBA), MSHA/NIOSH (approved or equivalent) and full protective gear. |
| Hazardous Combustion Byproducts: | Thermal decomposition products may include smoke and toxic fumes. |

NFPA Ratings:

| | |
|--------------------|---|
| NFPA Health: | 0 |
| NFPA Flammability: | 0 |
| NFPA Reactivity: | 1 |

SECTION 6 : ACCIDENTAL RELEASE MEASURES

| | |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Personnel Precautions: | Evacuate area and keep unnecessary and unprotected personnel from entering the spill area. |
| Environmental Precautions: | Avoid runoff into storm sewers, ditches, and waterways. |
| Methods for containment: | Contain spills with an inert absorbent material such as soil, sand or oil dry. |
| Methods for cleanup: | Sweep up to prevent slipping hazard. Place into a suitable container for disposal. Provide ventilation. Clean up spills immediately observing precautions in the protective equipment section. After removal, flush spill area with soap and water to remove trace residue. |

SECTION 7 : HANDLING and STORAGE

| | |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Handling: | Use with adequate ventilation. Avoid breathing vapor, aerosol or mist. |
| Storage: | Store in a cool, dry, well ventilated area away from sources of heat, combustible materials, direct sunlight, and incompatible substances. Keep container tightly closed when not in use. |
| Hygiene Practices: | Wash thoroughly after handling. |

SECTION 8 : EXPOSURE CONTROLS, PERSONAL PROTECTION - EXPOSURE GUIDELINES

| | |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Engineering Controls: | Use appropriate engineering control such as process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Good general ventilation should be sufficient to control airborne levels. Where such systems are not effective wear suitable personal protective equipment, which performs satisfactorily and meets OSHA or other recognized standards. Consult with local procedures for selection, training, inspection and maintenance of the personal protective equipment. |
| Eye/Face Protection: | Wear appropriate protective glasses or splash goggles as described by 29 CFR 1910.133, OSHA eye and face protection regulation, or the European standard EN 166. |
| Skin Protection Description: | Wear appropriate protective gloves and other protective apparel to prevent skin contact. Consult manufacturer's data for permeability data. |
| Respiratory Protection: | A NIOSH approved air-purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection. |
| Other Protective: | Use of this product may create elevated sound levels. Hearing protection should be worn where required (see OSHA 29 CFR 1910.134 and other applicable regulations). |
| General Hygiene Considerations: | Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. |

EXPOSURE GUIDELINES

Hydrocarbons, mineral oil :

| | |
|------------------|-----------------------------------------|
| Guideline ACGIH: | TLV-TWA: 5 mg/m3 Inhalable fraction (I) |
| Guideline OSHA: | PEL-TWA: 5 mg/m3 |

SECTION 9 : PHYSICAL and CHEMICAL PROPERTIES

| | |
|-------------------|-----------------|
| Physical State: | Liquid. |
| Color: | Clear |
| Boiling Point: | Not determined. |
| Melting Point: | Not determined. |
| Specific Gravity: | 0.86 @25°C |
| Solubility: | Not determined. |
| Vapor Density: | Not determined. |

Vapor Pressure: Not determined.
Percent Volatile: Not determined.
Evaporation Rate: Not determined.
pH: Not determined.
Flash Point: Does not apply.
Auto Ignition Temperature: Not determined.
Explosive Properties: Not determined.
Oxidizing Properties: Not determined.

SECTION 10 : STABILITY and REACTIVITY

Chemical Stability: Stable under normal conditions.
Hazardous Polymerization: Hazardous polymerization does not occur.
Conditions to Avoid: Extreme heat, sparks, and open flame. Incompatible materials, oxidizers and oxidizing conditions.
Incompatible Materials: Oxidizing agents. Strong acids and alkalis.

SECTION 11 : TOXICOLOGICAL INFORMATION

Hydrocarbons, mineral oil :

Ingestion: Oral - Rat LD50 - Lethal dose, 50 percent kill : >5000 mg/kg [Details of toxic effects not reported other than lethal dose value] (RTECS)

SECTION 12 : ECOLOGICAL INFORMATION

Ecotoxicity: No ecotoxicity data was found for the product.
Environmental Fate: No environmental information found for this product.

SECTION 13 : DISPOSAL CONSIDERATIONS

Waste Disposal: Use standard landfill methods consistent with applicable Federal, State, Provincial and local laws.

SECTION 14 : TRANSPORT INFORMATION

DOT Shipping Name: Not regulated as hazardous material for transportation.
DOT UN Number: Not regulated as hazardous material for transportation.
IATA Shipping Name: Not regulated as hazardous material for transportation.
Canadian Shipping Name: This product is Not Regulated under the Transportation of Dangerous Goods Act. (CAN).

SECTION 15 : REGULATORY INFORMATION

Hydrocarbons, mineral oil :

TSCA Inventory Status: Listed
Canada DSL: Listed
EC Number: 232-455-8

SECTION 16 : ADDITIONAL INFORMATION

MSDS Creation Date: August 15, 2009
MSDS Revision Date: June 15, 2014

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