

MATERIAL SAFETY DATA SHEET**Product Name:** Petroleum ether 80-100 °C**CAS No.:** 8032-32-4**Version:** 0**1. Identification**

Product Code : 90488
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2. Composition/Information on Ingredients

Ingredient	CAS No	Percent
Naphtha, VM & P	8032-32-4	90-100%

3. Hazards Identification

Signal words : DANGER!
Potential Health Effects

General : Harmful or fatal if swallowed. Harmful if inhaled. May cause central nervous system effects. May cause irritation to skin, eyes, and respiratory tract.

Saf-T-Data

Health Rating : 2 - Moderate (Life)
Flammability Rating : 4 - Extreme (Flammable)
Reactivity Rating : 1 - Slight
Contact Rating : 2 - Moderate

Potential Physical / Chemical Effects : Extremely flammable liquid and vapor.

Inhalation : May cause central nervous system effects. Vapors may cause drowsiness and dizziness. May cause respiratory irritation.

Ingestion : Irritating. May cause nausea, stomach pain and vomiting. May cause central nervous system effects. May be fatal if swallowed and enters airways.

Skin Contact : May cause skin irritation. Product has a defatting effect on skin.

Eye Contact : Vapor causes eye irritation and tearing. Splashes in the eyes may cause redness and irritation.

Chronic Exposure : Prolonged overexposure may cause drying and cracking of the skin and associated dermatitis.

Signs and Symptoms : Pre-existing skin and respiratory disorders may be aggravated by exposure.

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Routes of Exposure : Skin and/or eye contact. Inhalation, Ingestion.
Target Organs : Central nervous system .
OSHA Regulatory Status : This product is hazardous according to OSHA 29CFR 1910.1200.

4. First Aid Measures

General information : Get medical advice/attention if you feel unwell. If medical advice is needed, have product container or label at hand. Show this safety data sheet to the doctor in attendance.

Inhalation : Move to fresh air. Get medical attention if symptoms persist.

Ingestion : Call a physician or poison control center immediately. Do not induce vomiting without advice from poison control center. Never give liquid to an unconscious person.

Skin Contact : Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention if irritation persists after washing. Wash contaminated clothing before reuse. Destroy or thoroughly clean contaminated shoes.

Eye contact : Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention. In case of irritation from airborne exposure, move to fresh air. Get medical attention if any discomfort continues.

Note to Physician: Treatment : Treat symptomatically. Monitor all inhalations and ingestions for signs of toxicity and development of pulmonary edema for at least 6 hours.

5. Fire fighting measures

Extinguishing media : Foam, carbon dioxide or dry powder.

Unsuitable extinguishing media: : Water may be ineffective in fighting the fire.

Unusual Fire & Explosion Hazards : Heat may cause the containers to explode. Vapors are flammable and heavier than air. Vapors may travel across the ground and reach remote ignition sources causing a flashback fire danger.

Special fire fighting procedures: : Use water spray to keep fire-exposed containers cool. Move containers from fire area if you can do so without risk. Cool containers exposed to flames with water until well after the fire is out.

Protective Measures: : Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

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- Personal precautions, protective equipment and emergency procedures** : Keep unauthorized personnel away. Keep upwind. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Ventilate closed spaces before entering them. Use personal protective equipment. See Section 8 of the MSDS for Personal Protective Equipment.
- Methods and material for containment and cleaning up** : Prevent further leakage or spillage if safe to do so. Do not contaminate water sources or sewer. Avoid discharge into drains, water courses or onto the ground.
- Notification Procedures** : Eliminate all ignition sources if safe to do so. Use only non-sparking tools. Absorb spill with vermiculite or other inert material, then place in a container for chemical waste. Clean surface thoroughly to remove residual contamination. Dike far ahead of larger spill for later recovery and disposal.
- Environmental precautions** : Dike for later disposal. Prevent entry into waterways, sewer, basements or confined areas. Stop the flow of material, if this is without risk. Inform authorities if large amounts are involved.

7. Handling and Storage

- Precautions for safe handling** : Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required. Do not eat, drink or smoke when using the product. Wash hands thoroughly after handling. Avoid contact with eyes, skin, and clothing.
- Conditions for safe storage, including any incompatibilities** : Keep containers tightly closed. Store away from heat and light. Store in a cool, dry place with adequate ventilation. Keep away from incompatible materials, open flames, and high temperatures.

8. Exposure Controls Personal Protection

- Control parameters**
- Occupational exposure limits** : None of the components have assigned exposure limits.
- Ventilation System** : Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. An eye wash and safety shower must be available in the immediate work area.
- Respiratory Protection** : In case of inadequate ventilation use suitable respirator. Chemical

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Skin Protection	:	respirator with organic vapor cartridge and full facepiece.
Eye Protection	:	Wear suitable protective clothing and gloves.
Hygiene measures	:	Wear safety glasses with side shields (or goggles).
	:	Provide eyewash station and safety shower. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Avoid contact with eyes, skin, and clothing.

9. Physical and Chemical Properties

Appearance	:	Colorless Liquid
Odor	:	kerosene
pH	:	No information found
Melting point/freezing point	:	< -73 °C
Initial boiling point and boiling range	:	80-100 °C
Flash Point	:	-18 °C
Vapor pressure	:	53 hPa
Vapor density	:	No information found.
Relative density	:	0.7-715 at 20 ° C
Solubility in water	:	Insoluble in water
Solubility (other)	:	No information found.
Formula	:	-
Molecular Weight	:	-

10. Stability and Reactivity

Stability	:	Stable under ordinary conditions of use and storage.
Hazardous Decomposition Products	:	Oxides of Carbon.
Hazardous Polymerization	:	Hazardous polymerization does not occur.
Incompatibilities:	:	Strong oxidizing agents. May attack some plastics, rubber and coatings.
Conditions to Avoid:	:	Heat, sparks, flames. Sunlight. Contact with incompatible materials.

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11. Toxicological Information**Information on likely routes of exposure**

- Ingestion** : May irritate and cause stomach pain, vomiting and diarrhoea.
Inhalation : Mist or vapors may cause irritation.
Skin contact : May cause irritation.
Eye contact : May irritate eyes.

Information on toxicological effects**Acute toxicity (list all possible routes of exposure)**

- Oral Product** : No data available.
Dermal Product : No data available.
Inhalation Product : LC 50 (Rat, 4 h): 3,400 mg/l
Repeated dose toxicity Product : No data available.
- Skin corrosion/irritation Product** : May cause skin irritation.
Serious eye damage/eye irritation Product : May irritate eyes.
Respiratory or skin sensitization Product : Not a skin sensitizer.
Carcinogenicity Product : May cause cancer.
IARC Monographs on the Evaluation of Carcinogenic Risks to Humans DIOXANE : This substance has no evidence of carcinogenic properties.
US. National Toxicology Program (NTP) Report on Carcinogens DIOXANE : This substance has no evidence of carcinogenic properties.
US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050 : This substance has no evidence of carcinogenic properties.
Germ cell mutagenicity In vitro Product : May cause genetic defects.
In vivo Product : May cause genetic defects.
Reproductive toxicity Product : No components toxic to reproduction.
Specific target organ toxicity - single exposure Product : No data available.
Specific target organ toxicity - repeated exposure Product : No data available.
Aspiration hazard Product : Not classified.
Other effects : None known.

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12. Ecological Information

Ecotoxicity

Acute hazards to the aquatic environment :

Fish Product : No data available.

Aquatic invertebrates Product : No data available.

Chronic hazards to the aquatic environment :

Fish Product : No data available.

Aquatic invertebrates Product : No data available.

Toxicity to Aquatic Plants Product: : No data available.

Persistence and degradability

Biodegradation Product : Expected to be readily biodegradable.

BOD/COD ratio Product : No data available.

Bioaccumulative potential

Bioconcentration factor (BCF) Product : No data available on bioaccumulation.

Product

Partition coefficient n-octanol / water (log Kow) Product : No data available.

Mobility in soil : No data available.

Other adverse effects : No data available.

13. Disposal consideration

Disposal instructions : Discharge, treatment, or disposal may be subject to national, state, or local laws. Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Contaminated packaging : Since emptied containers retain product residue, follow label warnings even after container is emptied.

14. Transport Information

	UN No.	UN proper shipping name	Hazard Class(es)	Packaging group	Marine Pollutant
DOT	UN 1268	PETROLEUM ETHER	3	II	No
IMDG	UN 1268	PETROLEUM ETHER	3	II	No
IATA	UN 1268	PETROLEUM ETHER	3	II	No

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This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

Safety, health and environmental regulations/legislation specific for the substance or mixture
No Data Available.

16. Other Information**NFPA Hazard ID**

■ Flammability
■ Health
■ Reactivity
□ Special hazard.

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe

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