

# **SAFETY DATA SHEET**

## 1. Identification

## Product identifier: PETROLEUM ETHER

## Other means of identification

Product No.: 9272

## Recommended use and restriction on use

Recommended use: Not available. Restrictions on use: Not known.

### Details of the supplier of the safety data sheet

#### Manufacturer

Company Name: Address:	Avantor Performance Materials, Inc. 3477 Corporate Parkway, Suite 200 Center Valley, PA 18034
Telephone:	Customer Service: 855-282-6867
Fax: Contact Person: E-mail:	610-573-2610 Environmental Health & Safety info@avantormaterials.com

## **Emergency telephone number:**

24 Hour Emergency: 908-859-2151 Chemtrec: 800-424-9300

## 2. Hazard(s) identification

## **Hazard Classification**

Physical Hazards	
Flammable liquids	Category 2
Health Hazards	
Germ Cell Mutagenicity	Category 1B
Carcinogenicity	Category 1B
Aspiration Hazard	Category 1

### **Label Elements**

Hazard Symbol:



Signal Word:

Danger



Hazard Statement:	Highly flammable liquid and vapor. May be fatal if swallowed and enters airways. May cause genetic defects. May cause cancer.
Precautionary Statement	
Prevention:	Keep away from heat/sparks/open flames/hot surfaces. No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wear protective gloves/protective clothing/eye protection/face protection. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required.
Response:	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If exposed or concerned: Get medical advice/attention. In case of fire: Use water spray, foam, dry powder or carbon dioxide for extinction.
Storage:	Store in well-ventilated place. Keep cool. Store locked up.
Disposal:	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.
Other hazards which do not result in GHS classification:	None.

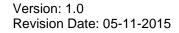
## 3. Composition/information on ingredients

## Substances

Chemical Identity	Common name and synonyms	CAS number	Content in percent (%)*	
NAPHTHA	HA 8030-30-6 90 - 100%			
* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.				

## 4. First-aid measures

General information:	Get medical advice/attention if you feel unwell. Show this safety data sheet to the doctor in attendance.
Ingestion:	If ingested, material may be aspirated into the lungs and cause chemical pneumonitis. Treat appropriately. Do not induce vomiting. If vomiting occurs, the head should be kept low so that stomach vomit doesn't enter the lungs. Call a physician or poison control center immediately.
Inhalation:	Move to fresh air. Get medical attention if symptoms persist.
Skin Contact:	Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Call a physician or poison control center immediately. 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 immediately.



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## Most important symptoms/effects, acute and delayed

Symptoms:	Irritating to eyes, respiratory system and skin.	
Hazards:	Skin irritation. Irritating to eyes.	
Indication of immediate medical	attention and special treatment needed	
Treatment:	Treat symptomatically. Monitor all inhalations and ingestions for signs of toxicity and development of pulmonary edema for at least 6 hours.	

Symptoms may be delayed.

5.	<b>Fire-fighting</b>	measures
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General Fire Hazards: Highly flammable liquid and vapor.

## Suitable (and unsuitable) extinguishing media

Suitable extinguishing media:	Foam, carbon dioxide or dry powder.
Unsuitable extinguishing media:	Avoid water in straight hose stream; will scatter and spread fire.
Specific hazards arising from the chemical:	Vapors may cause a flash fire or ignite explosively. Vapors may travel considerable distance to a source of ignition and flash back. Prevent buildup of vapors or gases to explosive concentrations.
Special protective equipment and	d precautions for firefighters
Special fire fighting procedures:	Use water spray to keep fire-exposed containers cool. Water may be ineffective in fighting the fire. Fight fire from a protected location. Move containers from fire area if you can do so without risk.
Special protective equipment for fire-fighters:	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.
6. Accidental release measures	S

Personal precautions, protective equipment and emergency procedures:	Ventilate closed spaces before entering them. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Keep upwind.
Methods and material for containment and cleaning up:	Absorb spill with vermiculite or other inert material, then place in a container for chemical waste. Dike far ahead of larger spill for later recovery and disposal. Eliminate all ignition sources if safe to do so.
Notification Procedures:	Dike for later disposal. Prevent entry into waterways, sewer, basements or confined areas. Stop the flow of material, if this is without risk.
Environmental Precautions:	Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so.



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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**

**Appropriate Engineering** 

Controls

**Occupational Exposure Limits** 

Chemical Identity	type	Exposure Limit Values		Source
NAPHTHA	REL	100 ppm	400 mg/m3	US. NIOSH: Pocket Guide to Chemical
				Hazards (2010)
	PEL	100 ppm	400 mg/m3	US. OSHA Table Z-1 Limits for Air
				Contaminants (29 CFR 1910.1000) (02 2006)
	TWA	100 ppm	400 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000)
			-	(1989)

Provide adequate ventilation if fumes or vapors are generated.

## Individual protection measures, such as personal protective equipment

General information:	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.
Eye/face protection:	Wear safety glasses with side shields (or goggles).
Skin Protection Hand Protection:	Chemical resistant gloves
Other:	Wear suitable protective clothing.
Respiratory Protection:	In case of inadequate ventilation use suitable respirator. Chemical respirator with organic vapor cartridge and full facepiece.
Hygiene measures:	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

Physical state:
Form:
Color:
Odor:
SDS_US - SDS000001718

liquid liquid Clear colorless Gasoline-like odor



Odor threshold:	No data available.	
pH:	No data available.	
Melting point/freezing point:	-130 °C	
Initial boiling point and boiling ra	inge: 35 - 60 °C	
Flash Point:	-40 °C (Closed Cup)	
Evaporation rate:	> 1 (butyl acetate=1)	
Flammability (solid, gas):	No data available.	
Upper/lower limit on flammability or explosive limits		
Flammability limit - upper (%	<b>6):</b> 8.0 %(V)	
Flammability limit - lower (%	<b>b):</b> 1.4 %(V)	
Explosive limit - upper (%):	No data available.	
Explosive limit - lower (%):	No data available.	
Vapor pressure:	106.8 kPa (37.8 °C)	
Vapor density:	2.48 AIR=1	
Relative density:	0.63 (15.6 °C)	
Solubility(ies)		
Solubility in water:	Insoluble in water	
Solubility (other):	No data available.	
Partition coefficient (n-octanol/w	ater): No data available.	
Auto-ignition temperature:	284 °C	
Decomposition temperature:	No data available.	
Viscosity:	0.234 mm2/s (20 °C)	
Other information		
Bulk density:	630.9 kg/m3	
10. Stability and reactivity		
Reactivity:	No dangerous reaction known under conditions of normal use.	
Chemical Stability:	Material is stable under normal conditions.	

Hazardous polymerization does not occur.

Heat, sparks, flames.

Strong oxidizers

Oxides of Carbon.

May irritate eyes.

May be harmful if swallowed.

May be harmful in contact with skin.

May cause irritation to the respiratory system.

**Possibility of Hazardous** 

**Conditions to Avoid:** 

**Incompatible Materials:** 

**Hazardous Decomposition** 

11. Toxicological information

Information on likely routes of exposure

**Reactions:** 

**Products:** 

Ingestion:

Inhalation:

**Skin Contact:** 

Eye contact:



## Information on toxicological effects

Addie toxioity (list all possible	Acute toxicity (list all possible routes of exposure)	
Oral Product:	LD 50 (Rat): > 2,000 mg/kg	
Dermal Product:	LD 50 (Rabbit): estimated > 2,000 mg/kg	
Inhalation Product:	LC 50 (Rat, 4 h): estimated > 20 mg/l	
Repeated dose toxicity Product:	None known.	
Skin Corrosion/Irritation Product:	May cause skin irritation.	
Serious Eye Damage/Eye Irritati Product:	on May irritate eyes.	
Respiratory or Skin Sensitizatio Product:	<b>n</b> Not a skin sensitizer.	
Carcinogenicity Product:	This substance has no evidence of carcinogenic properties.	
IARC Monographs on the Evaluation of Carcinogenic Risks to Humans: No carcinogenic components identified		
US. National Toxicology Program (NTP) Report on Carcinogens: No carcinogenic components identified		
US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050): No carcinogenic components identified		
No carcinogenic component		
No carcinogenic component Germ Cell Mutagenicity In vitro	is identified	
No carcinogenic component Germ Cell Mutagenicity In vitro Product: In vivo	No mutagenic components identified	
No carcinogenic component Germ Cell Mutagenicity In vitro Product: In vivo Product: Reproductive toxicity	No mutagenic components identified No mutagenic components identified No components toxic to reproduction	
No carcinogenic component Germ Cell Mutagenicity In vitro Product: In vivo Product: Reproductive toxicity Product: Specific Target Organ Toxicity	No mutagenic components identified No mutagenic components identified No components toxic to reproduction • <b>Single Exposure</b> None known.	
No carcinogenic component Germ Cell Mutagenicity In vitro Product: In vivo Product: Reproductive toxicity Product: Specific Target Organ Toxicity - Product:	No mutagenic components identified No mutagenic components identified No components toxic to reproduction Single Exposure None known.	
No carcinogenic component Germ Cell Mutagenicity In vitro Product: In vivo Product: Reproductive toxicity Product: Specific Target Organ Toxicity Product: Specific Target Organ Toxicity Product: Aspiration Hazard	No mutagenic components identified No mutagenic components identified No components toxic to reproduction Single Exposure None known. Repeated Exposure None known.	



## 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 aqua	tic 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:	There are no data on the degradability of this product.	
BOD/COD Ratio Product:	Not determined.	
Bioaccumulative Potential Bioconcentration Factor (BCF) Product: No data available on bioaccumulation.		
Partition Coefficient n-octa Product:	anol / water (log Kow) No data available.	
Mobility in Soil:	No data available.	
Other Adverse Effects:	No data on possible environmental effects have been found.	
13. Disposal considerations		
Disposal instructions:	Discharge, treatment, or disposal may be subject to national, state, or local laws.	
Contaminated Packaging:	Since emptied containers retain product residue, follow label warnings even after container is emptied.	



## 14. Transport information

DOT	
UN Number:	UN 1268
UN Proper Shipping Name: Transport Hazard Class(es)	Petroleum distillates, n.o.s.
Class(es):	3
Label(s):	3
Packing Group:	I
Marine Pollutant:	Not a Marine Pollutant
Special precautions for user:	-
IMDG	
UN Number:	UN 1268
UN Proper Shipping Name:	PETROLEUM DISTILLATES, N.O.S.
Transport Hazard Class(es)	0
Class(es): Label(s):	3 3
EmS No.:	F-E, S-E
Packing Group:	
Marine Pollutant:	Not a Marine Pollutant
Special precautions for user:	-
ΙΑΤΑ	
UN Number:	UN 1268
Proper Shipping Name:	Petroleum distillates, n.o.s.
Transport Hazard Class(es):	
Class(es):	3
Label(s):	3
Marine Pollutant:	Not a Marine Pollutant
Packing Group: Special precautions for user:	1
15. Regulatory information	~

## US Federal Regulations

### TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) None present or none present in regulated quantities.

#### CERCLA Hazardous Substance List (40 CFR 302.4):

Chemical Identity	Reportable quantity
NAPHTHA	100 lbs.

#### Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Acute (Immediate) Fire

SARA 302 Extremely Hazardous Substance None present or none present in regulated quantities.

## SARA 304 Emergency Release Notification

Chemical IdentityReportable quantityNAPHTHA100 lbs.



## SARA 311/312 Hazardous Chemical

Chemical IdentityThreshold Planning QuantityNAPHTHA10000 lbs

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## SARA 313 (TRI Reporting)

None present or none present in regulated quantities.

- Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3) None present or none present in regulated quantities.
- Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): None present or none present in regulated quantities.

## **US State Regulations**

## **US. California Proposition 65**

No ingredient regulated by CA Prop 65 present.

## US. New Jersey Worker and Community Right-to-Know Act

Chemical Identity

### US. Massachusetts RTK - Substance List

Chemical Identity NAPHTHA

## US. Pennsylvania RTK - Hazardous Substances

Chemical Identity

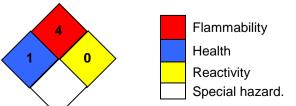
### US. Rhode Island RTK

No ingredient regulated by RI Right-to-Know Law present.

## **Inventory Status:**

Australia AICS:	On or in compliance with the inventory
Canada DSL Inventory List:	On or in compliance with the inventory
EINECS, ELINCS or NLP:	On or in compliance with the inventory
Japan (ENCS) List:	Not in compliance with the inventory.
China Inv. Existing Chemical Substances:	On or in compliance with the inventory
Korea Existing Chemicals Inv. (KECI):	On or in compliance with the inventory
Canada NDSL Inventory:	Not in compliance with the inventory.
Philippines PICCS:	On or in compliance with the inventory
US TSCA Inventory:	On or in compliance with the inventory
New Zealand Inventory of Chemicals:	On or in compliance with the inventory
Japan ISHL Listing:	Not in compliance with the inventory.
Japan Pharmacopoeia Listing:	Not in compliance with the inventory.
16.Other information, including date of preparation or last revision	

## NFPA Hazard ID



Hazard rating: 0 - Minimal; 1 - Slight; 2-Moderate; 3 - Serious; 4 - Severe; RNP - Rating not possible



Issue Date:	05-11-2015
Revision Date:	No data available.
Version #:	1.0
Further Information:	No data available.
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