

SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 (REACH) Article 31, Annex II as amended 2015/830.

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

1.1 Product identifier

Product name: Mineral Oil
Product No. 2705, 6358, 6357

Additional identification

Chemical name: Paraffin oils
Chemical formula: -
INDEX No. -
CAS-No. 8012-95-1
EC No. 232-384-2
REACH Registration No.

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

Identified uses: For Laboratory, Research or Manufacturing Use.
Uses advised against: Not determined.

1.3 Details of the supplier of the safety data sheet

Avantor Performance Materials Poland S.A.
Sowinskiego 11str., 44-101 Gliwice,
Poland

Telephone: 48 32 239-20-00
Fax: 48 32 239-23-70

Contact person: Product Information Compliance
E-mail: export@avantormaterials.com

E-mail address of person responsible for this SDS: SDS@avantormaterials.com

1.4 Emergency telephone number: CHEMTREC: (44)-870-8200418

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

The product has been classified according to the legislation in force.

Classification according to Regulation (EC) No 1272/2008 as amended.

Health Hazards

Aspiration Hazard	Category 1	H304: May be fatal if swallowed and enters airways.
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2.2 Label Elements

Contains: Paraffin oils



Signal Word: Danger

Hazard Statement(s): H304: May be fatal if swallowed and enters airways.

Precautionary Statements

Response: P301+P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P331: Do NOT induce vomiting.

Storage: P405: Store locked up.

Disposal: P501: 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.

2.3 Other hazards No data available.

SECTION 3: Composition/information on ingredients

3.1 Substances

Chemical name	Concentration	CAS-No.	EC No.	REACH Registration No.	M-Factor:	Notes
Paraffin oils	50 - <100%	8012-95-1	232-384-2	No data available.	No data available.	#

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

This substance has workplace exposure limit(s).

SECTION 4: First Aid Measures

General: Get medical advice/attention if you feel unwell. If medical advice is needed, have product container or label at hand.

4.1 Description of first aid measures

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

Skin Contact: Wash skin thoroughly with soap and water. If skin irritation occurs: Get medical advice/attention.

Eye contact: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Ingestion: Do NOT induce vomiting. Rinse mouth. Call a doctor or poison control centre immediately.

4.2 Most important symptoms and effects, both acute and delayed: May cause irritation to skin, eyes and respiratory tract.

4.3 Indication of any immediate medical attention and special treatment needed

Hazards:	No data available.
Treatment:	Treat symptomatically. Symptoms may be delayed.

SECTION 5: Firefighting Measures

General Fire Hazards:	Move containers from fire area if you can do so without risk. Use water spray to keep fire-exposed containers cool.
5.1 Extinguishing media Suitable extinguishing media:	Water Spray, Fog, CO ₂ , dry chemical, or alcohol resistant foam.
Unsuitable extinguishing media:	Avoid water in straight hose stream; will scatter and spread fire.
5.2 Special hazards arising from the substance or mixture:	During fire, gases hazardous to health may be formed.
5.3 Advice for firefighters Special fire fighting procedures:	No data available.
Special protective equipment for firefighters:	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

SECTION 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures:	See Section 8 of the SDS for Personal Protective Equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Keep unauthorised personnel away.
6.2 Environmental Precautions:	Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so.
6.3 Methods and material for containment and cleaning up:	Remove sources of ignition. Absorb in vermiculite, dry sand or earth and place into containers. Dyke far ahead of larger spill for later recovery and disposal.
6.4 Reference to other sections:	No data available.

SECTION 7: Handling and Storage:

7.1 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 breathe mist or vapour. Avoid contact with eyes, skin, and clothing. Wash hands thoroughly after handling.
7.2 Conditions for safe storage, including any incompatibilities:	Store in a cool, dry place with adequate ventilation. Keep away from incompatible materials, open flames and high temperatures.
7.3 Specific end use(s):	No data available.

SECTION 8: Exposure Controls/Personal Protection

8.1 Control Parameters

Occupational Exposure Limits

Chemical name	Type	Exposure Limit Values	Source
Paraffin oils - Inhalable	TWA	5 mg/m ³	EU. Scientific Committee on Occupational Exposure Limit Values (SCOELs), European Commission - SCOEL (2014)

DNEL-Values

Critical component	Type	Route of Exposure	Health Warnings	Remarks
Paraffin oils	Workers	Inhalation	Local, short-term; 5 mg/m ³	No data available

8.2 Exposure controls

Appropriate Engineering Controls: No data available.

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.

Eye/face protection: Wear safety glasses with side shields (or goggles).

Skin protection

Hand Protection: Material: Wear protective gloves.

Other: Wear suitable protective clothing and gloves.

Respiratory Protection: If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

Hygiene measures: Provide eyewash station and safety shower. Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product. Wash contaminated clothing before re-use.

Environmental Controls: No data available.

SECTION 9: Physical And Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state:	Liquid
Form:	Viscous liquid
Colour:	Colourless
Odour:	Odourless
Odour Threshold:	No data available.
pH:	No data available.
Freezing point:	-18 °C
Boiling Point:	260 °C
Flash Point:	135 °C (Closed Cup)

Evaporation Rate:	No data available.
Flammability (solid, gas):	Class IIIB Combustible Liquid
Flammability limit - upper (%):	No data available.
Flammability limit - lower (%):	No data available.
Vapour pressure:	< 0,07 kPa (20 °C)
Vapour density (air=1):	No data available.
Density:	0,85 g/ml (20 °C)
Relative density:	0,85 (20 °C)
Solubility(ies)	
Solubility in Water:	Insoluble
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Autoignition Temperature:	260 °C
Decomposition Temperature:	No data available.
Viscosity:	>= 38,1 mm ² /s (37,8 °C)
Explosive properties:	No data available.
Oxidising Properties:	No data available.

9.2 Other information

VOC content:	EU. Directive 2010/75/EU on Industrial Emissions (IPPC), Annex II, L 334/17: 850 g/l ~100 % (calculated)
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SECTION 10: Stability and Reactivity

10.1 Reactivity:	No data available.
10.2 Chemical Stability:	Material is stable under normal conditions.
10.3 Possibility of Hazardous Reactions:	Hazardous polymerization does not occur.
10.4 Conditions to Avoid:	Heat, sparks, flames.
10.5 Incompatible Materials:	Strong oxidising agents.
10.6 Hazardous Decomposition Products:	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

SECTION 11: Toxicological Information

Information on likely routes of exposure

Inhalation:	None known or expected under normal use.
Skin Contact:	None known or expected under normal use.
Eye contact:	None known or expected under normal use.
Ingestion:	None known or expected under normal use.

11.1 Information on toxicological effects

Acute toxicity

Oral

Product:	No data available.
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Dermal	
Product:	No data available.
Inhalation	
Product:	No data available.
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 Sensitisation:	
Product:	Not a skin sensitiser.
Germ Cell Mutagenicity	
In vitro	
Product:	No data available.
In vivo	
Product:	No data available.
Carcinogenicity	
Product:	This substance has no evidence of carcinogenic properties.
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:	May be fatal if swallowed and enters airways.

SECTION 12: Ecological Information

12.1 Toxicity

Acute toxicity

Fish

Product: No data available.

Specified substance(s)

Paraffin oils No data available.

Aquatic Invertebrates

Product: No data available.

Specified substance(s)

Paraffin oils No data available.

Chronic toxicity

Fish

Product: No data available.

Specified substance(s)

Paraffin oils No data available.

Aquatic Invertebrates

Product: No data available.

Specified substance(s)

Paraffin oils No data available.

Toxicity to aquatic plants

Product: No data available.

Specified substance(s)

Paraffin oils No data available.

12.2 Persistence and Degradability

Biodegradation

Product: There is no data on the degradability of this product.

Specified substance(s)

Paraffin oils There is no data on the degradability of this product.

BOD/COD Ratio

Product No data available.

Specified substance(s)

Paraffin oils No data available.

12.3 Bioaccumulative Potential

Product: No data available on bioaccumulation.

Specified substance(s)

Paraffin oils No data available on bioaccumulation.

12.4 Mobility in Soil:

The product is insoluble in water and will spread on the water surface.

Known or predicted distribution to environmental compartments

Paraffin oils The product is insoluble in water and will spread on the water surface.

12.5 Results of PBT and vPvB assessment:

No data available.

Paraffin oils No data available.

12.6 Other Adverse Effects:

May cause long lasting harmful effects to aquatic life.

12.7 Additional Information:

No data available.

SECTION 13: Disposal Considerations

13.1 Waste treatment methods

General information: No data available.

Disposal methods: Discharge, treatment, or disposal may be subject to national, state, or local laws.

SECTION 14: Transport Information

ADR

14.1 UN Number:	Not regulated.
14.2 UN Proper Shipping Name:	Not regulated.
14.3 Transport Hazard Class(es)	
Class:	Not regulated.
Label(s):	Not regulated.
Hazard No. (ADR):	Not regulated.
Tunnel restriction code:	Not regulated.
14.4 Packing Group:	Not regulated.
14.5 Environmental Hazards:	Not regulated.
14.6 Special precautions for user:	Not regulated.

RID

14.1 UN Number:	Not regulated.
14.2 UN Proper Shipping Name	Not regulated.
14.3 Transport Hazard Class(es)	
Class:	Not regulated.
Label(s):	Not regulated.
14.4 Packing Group:	Not regulated.
14.5 Environmental Hazards:	Not regulated.
14.6 Special precautions for user:	Not regulated.

IMDG

14.1 UN Number:	Not regulated.
14.2 UN Proper Shipping Name:	Not regulated.
14.3 Transport Hazard Class(es)	
Class:	Not regulated.
Label(s):	Not regulated.
EmS No.:	Not regulated.
14.4 Packing Group:	Not regulated.
14.5 Environmental Hazards:	Not regulated.
14.6 Special precautions for user:	Not regulated.
Not regulated.	

IATA

14.1 UN Number:	Not regulated.
14.2 Proper Shipping Name:	Not regulated.
14.3 Transport Hazard Class(es)	
Class:	Not regulated.
Label(s):	Not regulated.
14.4 Packing Group:	Not regulated.
14.5 Environmental Hazards:	Not regulated.
14.6 Special precautions for user:	Not regulated.

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code: Not applicable

SECTION 15: Regulatory information

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

EU Regulations

Regulation (EC) No. 2037/2000 Substances that deplete the ozone layer: none

Regulation (EC) No. 850/2004 on persistent organic pollutants: none

Regulation (EC) No. 649/2012 Import and export of dangerous chemicals: none

Regulation (EC) No. 1907/2006 REACH Annex XIV Substance subject to authorisation, as amended: none

Regulation (EC) No. 1907/2006 Annex XVII Substances subject to restriction on marketing and use: none

Directive 2004/37/EC on the protection of workers from the risks related to exposure to carcinogens and mutagens at work.: none

Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently given birth or are breast feeding.: none

Directive 2012/18/EU (Seveso III): on the control of major accident hazards involving dangerous substances: none

EU. Regulation No. 166/2006 PRTR (Pollutant Release and Transfer Registry), Annex II: Pollutants: none

Directive 98/24/EC on the protection of workers from the risks related to chemical agents at work: none

15.2 Chemical safety assessment:

No Chemical Safety Assessment has been carried out.

SECTION 16: Other Information

Revision Information: Not relevant.

References

PBT PBT: persistent, bioaccumulative and toxic substance.
vPvB vPvB: very persistent and very bioaccumulative substance.

Key literature references and sources for data: No data available.

Wording of the H-statements in sections 2 and 3

H304 May be fatal if swallowed and enters airways.

Training information: No data available.

Issue Date: 20.05.2020
SDS No.:

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