

ISO Pump Oil

Safety Data Sheet

according to Regulation (EC) No. 453/2010

Revision date: 19/12/2014



SDSIPO

ENEU

Rev. A

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

1.1. Product identifier

Product form : Mixture
Product name : ISO Pump Oil
Product code : 217374, 218656, 204559

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

1.2.1. Relevant identified uses

Use of the substance/mixture : Lubricant
Gear Lubricant

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Graco BVBA
Industrieterrein Ounde Bunders
Maasmechelen - Belgium
T +32 89 770 700 - F +32 89 770 777
reach@graco.com

1.4. Emergency telephone number

Emergency number : 1- 703-741-5970 (Chemtrec)
24/24

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Not classified

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

No labelling applicable

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification according to Directive 67/548/EEC
White mineral oil (petroleum)-	(CAS No) 8042-47-5 (EC no) 232-455-8 (REACH-no) not available	> 85	Not classified

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
White mineral oil (petroleum)-	(CAS No) 8042-47-5 (EC no) 232-455-8 (REACH-no) not available	> 85	Asp. Tox. 1, H304

Full text of R- and H-phrases: see section 16

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SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures after inhalation : Remove to fresh air and keep at rest in a position comfortable for breathing. If you feel unwell, seek medical attention.
- First-aid measures after skin contact : Wash contaminated clothing before reuse. Take off immediately all contaminated clothing. Wash with plenty of soap and water.
- First-aid measures after eye contact : Rinse immediately with plenty of water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- First-aid measures after ingestion : Drink directly plenty of water or milk. Do not give an unconscious person anything to drink. Do NOT induce vomiting unless directed to do so by medical personnel. Consult a doctor/medical service if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/injuries after inhalation : May cause irritation to the respiratory tract. Overexposure may cause : Cough. Difficulty breathing and tightness in the chest. Burning in the nasal passage.
- Symptoms/injuries after skin contact : May cause moderate irritation. Overexposure may cause : Burns. Redness.
- Symptoms/injuries after eye contact : May cause eye irritation. redness, itching, tears.
- Symptoms/injuries after ingestion : May cause irritation to the digestive tract. On ingestion in large quantities : May cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : carbon dioxide (CO₂), water, dry chemical powder.
- Unsuitable extinguishing media : Do not use a solid water stream as it may scatter and spread fire. Apply aqueous extinguishing media carefully to prevent frothing/steam explosion.

5.2. Special hazards arising from the substance or mixture

- Fire hazard : None known.
- Explosion hazard : None known.
- Hazardous decomposition products in case of fire : Toxic gases and fumes may be released in a fire. Carbon dioxide. Carbon monoxide. Sulfur oxides. Hydrogen sulfide.

5.3. Advice for firefighters

- Firefighting instructions : Fight fire with normal precautions from a reasonable distance. Cool tanks/drums with water spray/remove them into safety. Evacuate area.
- Protective equipment for firefighters : Self-contained breathing apparatus (SCBA) is required if a large release occurs. Wear proper protective equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Protective equipment : Wear suitable protective clothing.
- Emergency procedures : Eliminate all ignition sources if safe to do so. Evacuate personnel to a safe area.

6.1.2. For emergency responders

- Protective equipment : Wear suitable protective clothing. In case of fire: Wear self-contained breathing apparatus.
- Emergency procedures : Evacuate area. Ventilate affected area. Contain leaking substance, pump over in suitable containers. Transfer pumps must be equipped with explosion-proof drives.

6.2. Environmental precautions

Avoid release to the environment. Relevant water authorities should be notified of any large spillage to water course or drain.

6.3. Methods and material for containment and cleaning up

- For containment : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. In case of small spillages in closed waters, contain product with floating barriers or other equipment.
- Methods for cleaning up : Collect in closed containers for disposal. Use approved industrial vacuum cleaner for removal. Remove from the water surface (e.g. skimming, sucking).
- Other information : Relevant water authorities should be notified of any large spillage to water course or drain.

6.4. Reference to other sections

For disposal of residues refer to section 13 : Disposal considerations.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Do not pressurize, cut, weld, braze, solder, drill, grind, or expose containers to flames, sparks, heat, or other potential ignition sources. Keep container closed when not in use. Open and handle container with care. Ensure adequate ventilation.
- Hygiene measures : Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse. Take care for general good hygiene and housekeeping.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store tightly closed in a dry, cool and well-ventilated place. Keep out of direct sunlight.
- Incompatible products : Oxidizing agent.
- Heat and ignition sources : Keep away from open flames, hot surfaces and sources of ignition.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

White mineral oil (petroleum)- (8042-47-5)		
Belgium	Limit value (mg/m ³)	5 mg/m ³ Oil Mist
Belgium	Short time value (mg/m ³)	10 mg/m ³ Oil Mist
Netherlands	Grenswaarde TGG 8H (mg/m ³)	5 mg/m ³ Oil Mist
Spain	VLA-ED (mg/m ³)	5 mg/m ³ Oil Mist
Spain	VLA-EC (mg/m ³)	10 mg/m ³ Oil Mist
USA - ACGIH	ACGIH TWA (mg/m ³)	5 Oil Mist
USA - ACGIH	ACGIH STEL (mg/m ³)	10 mg/m ³ Oil Mist

8.2. Exposure controls

- Appropriate engineering controls : A washing facility/water for eye and skin cleaning purposes should be present.
- Personal protective equipment : Protective goggles. Gloves.



- Hand protection : Wear suitable gloves tested to EN374. Neoprene. NBR (Nitrile rubber).
- Eye protection : Safety glasses with side shields.
- Respiratory protection : No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- Physical state : Liquid
- Colour : Light amber.
- odour : Sulfur. Mild odor.
- Odour threshold : No data available
- pH : Not applicable
- Relative evaporation rate (butyl acetate=1) : No data available
- Melting point : No data available
- Freezing point : No data available
- Boiling point : No data available
- Flash point : 190 °C
- Auto-ignition temperature : No data available
- Decomposition temperature : No data available
- Flammability (solid, gas) : No data available
- Vapour pressure : No data available
- Relative vapour density at 20 °C : Greater than air.
- Relative density : 0,869 g/cm³ @15.6°C
- Solubility : Negligible.
- Log Pow : No data available

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Viscosity, kinematic	: 449,5 cSt @40°C
Viscosity, dynamic	: No data available
Explosive properties	: not explosive.
Oxidising properties	: not oxidizing.
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4. Conditions to avoid

Keep away from open flames, hot surfaces and sources of ignition.

10.5. Incompatible materials

Oxidizing agents, strong.

10.6. Hazardous decomposition products

On incomplete combustion releases : Sulfur oxides. Hydrogen sulfide. Carbon dioxide. Carbon monoxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	: Not classified Inhalation of vapours may cause respiratory irritation Symptoms include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness
Skin corrosion/irritation	: Not classified Frequent or prolonged contacts may defat and dry the skin, leading to discomfort and dermatitis pH: Not applicable
Serious eye damage/irritation	: Not classified Slight irritation pH: Not applicable
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified

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Viscosity, kinematic	449,5 mm ² /s @40°C
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SECTION 12: Ecological information

12.1. Toxicity

No additional information available

12.2. Persistence and degradability

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Persistence and degradability	Not readily biodegradable.
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12.3. Bioaccumulative potential

No additional information available

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12.4. Mobility in soil

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Ecology - soil	Floats on water.

12.5. Results of PBT and vPvB assessment

Component	
White mineral oil (petroleum)- (8042-47-5)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods	: Dispose of contents/container to industrial incineration plant.
Sewage disposal recommendations	: Prevent entry to sewers and public waters.
Waste disposal recommendations	: Incineration, disposal or recycling at specific offsite provider.
Additional information	: Empty container retains product residue. Do not re-use empty containers without proper cleaning or reconditioning.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR)	: Not applicable
Proper Shipping Name (IMDG)	: Not applicable
Proper Shipping Name (IATA)	: Not applicable
Proper Shipping Name (ADN)	: Not applicable
Proper Shipping Name (RID)	: Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR)	: Not applicable
Packing group (IMDG)	: Not applicable
Packing group (IATA)	: Not applicable
Packing group (ADN)	: Not applicable
Packing group (RID)	: Not applicable

14.5. Environmental hazards

Dangerous for the environment	: No
Marine pollutant	: No
Other information	: No supplementary information available

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14.6. Special precautions for user

14.6.1. Overland transport

Not applicable

14.6.2. Transport by sea

Not applicable

14.6.3. Air transport

Not applicable

14.6.4. Inland waterway transport

Not applicable

14.6.5. Rail transport

Not applicable

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

15.1.2. National regulations

Listed on the AICS (Australian Inventory of Chemical Substances)

Listed on the Canadian DSL (Domestic Substances List)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Germany

Water hazard class (WGK) : 1 - slightly hazardous to water

15.2. Chemical safety assessment

For this substance a chemical safety assessment has not been carried out

This substance is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

For the following substances of this mixture a chemical safety assessment has been carried out

White mineral oil (petroleum)-

SECTION 16: Other information

Other information : This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product. It is the user's responsibility to take the mentioned precautionary measures and to ensure that this information is complete and sufficient for the use of this product. This SDS was prepared by Intertek. However, the information is provided without any warranty, expressed or implied regarding its correctness. Some information presented and conclusions drawn herein are from sources other than direct test data on the substance itself. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable. Users should make their own investigations to determine the suitability of the information or products for their particular purpose. The conditions or methods of handling, storage, use, and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, Intertek does not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with handling, storage, use or disposal of the product.

Full text of R-, H- and EUH-phrases:

Asp. Tox. 1	Aspiration hazard, Category 1
H304	May be fatal if swallowed and enters airways

SDS EU (REACH Annex II)

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