

Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)



73680 White Oil

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Revised edition: 19.03.2021

Version: 8

Printed: 12.09.2022

1. Identification of the Substance/Mixture and of the Company/Undertaking

1.1. Product Identifier

Product Name: White Oil
Article No.: 73680
UFI: --

1.2. Relevant identified Uses of the Substance or Mixture and Uses advised against

Identified uses:
Additive for cosmetic or pharmaceutical preparations.
Lubricant
Plastics
Rubber products

Uses advised against:

1.3. Details of the Supplier of the Safety Data Sheet (Producer/Importer)

Company: Kremer Pigmente GmbH & Co. KG
Address: Hauptstr. 41-47, 88317 Aichstetten, Germany
Tel./Fax.: Tel +49 7565 914480, Fax +49 7565 1606
Internet: www.kremer-pigmente.com
E-Mail: info@kremer-pigmente.com
Importer: --

1.4. Emergency No.

Emergency No.: +49 7565 914480 (Mon-Fri 8:00 - 17:00)

1.4.2 Poison Center:

2. Hazards Identification

2.1. Classification of the Substance or Mixture

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

H304
Cat.: 1

Aspiration hazard, hazard category 1
May be fatal if swallowed and enters airways.

Possible Environmental Effects:

2.2. Label Elements

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

Hazard designation:



GHS08-2

Signal word:

Danger

Hazard designation:

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H304 May be fatal if swallowed and enters airways.

Safety designation:

P301+P310 If swallowed: Immediately call a poison center or physician.
P331 Do not induce vomiting.
P405 Store locked up.
P501 Dispose of contents/ container according to regional, national and international regulations.

Hazardous components for labelling:

2.3. Other Hazards

*Particular danger of slipping on leaked/spilled product.
Vapors can cause an explosive mixture with air.*

3. Composition/Information on Ingredients

3.1. Substance

3.2. Mixture

Chemical Characterization: UVCB Substance

Information on Components / Hazardous Ingredients:

White mineral oil (Petroleum) (Asp.Tox.1; H304); 100 %	CAS-Nr: 8042-47-5
REACH Reg. No. 01-2119487078-27-xxxx	EINECS-Nr: 232-455-8
	EC-Nr:

Additional information:

4. First Aid Measures

4.1. Description of the First Aid Measures

General information:

*Remove affected person from danger area and lay down.
Do not leave affected persons unattended.
Remove contaminated clothes immediately.
If symptoms occur, or in case of doubt seek medical advice.*

After inhalation:

*Supply fresh air.
Avoid mouth-to-mouth resuscitation. Apply alternative artificial respiration, preferably oxygen or pressure respirators.
In case breathing is not regular or if it has stopped, seek medical advice immediately and initiate first aid measures.*

After skin contact:

Wash off with plenty of water and soap.

After eye contact:

*Carefully rinse eyes with water for several minutes.
Remove contact lens.*

After ingestion:

*Rinse mouth. Do not induce vomiting.
Immediately get medical help.*

4.2. Most important Symptoms and Effects, both Acute and Delayed

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Symptoms:

No further information available.

Effects:

4. 3. Indication of any Immediate Medical Attention and special Treatment needed

Treatment:

If vomiting occurs after ingestion, aspiration into the lungs can occur which can cause a chemical pneumonia or suffocation.

5. Fire-Fighting Measures

5. 1. Extinguishing Media

Suitable extinguishing media:

Foam, carbon dioxide (CO₂), extinguishing powder, water spray.

Unsuitable extinguishing media:

Water with full jet.

5. 2. Special Hazards arising from the Substance or Mixture

Special hazards:

Combustible.

Fumes can form an explosive mixture with air.

In case of fire: formation of carbon and nitrogen oxides, pyrolysis products, irritating gases/vapors, aldehyde.

5. 3. Advice for Firefighters

Protective equipment:

Wear self-contained respiratory protective device and protective clothing.

Further information:

Cool exposed containers with water spray.

Contaminated extinguishing water and debris should be disposed of according to local regulations.

Avoid contamination of sewage system, open water ways and ground water.

6. Accidental Release Measures

6. 1. Personal Precautions, Protective Equipment and Emergency Procedures

Personal precautions:

Wear appropriate protective equipment. Keep spectators away.

Avoid contact with skin and eyes. Do not ingest or inhale.

Floor may be slippery; use care to avoid falling.

6. 2. Environmental Precautions

Environmental precautions:

Prevent contamination of soils, drains and surface water.

Contact local authorities if product pollutes soil or vegetation.

6. 3. Methods and Material for Containment and Cleaning Up

Methods and material:

Contain with absorbent material (sand, diatomaceous earth, acid binder, universal absorbent) and dispose accordingly.

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6.4. Reference to other Sections

*For information for safe handling see Section 7.
Protective clothing, see Section 8.
See Section 13 for information on disposal.*

7. Handling and Storage

7.1. Precautions for Safe Handling

Instructions on safe handling:

*Provide adequate ventilation.
Avoid the formation of aerosol.
Do not breathe vapors, aerosols.*

Hygienic measures:

*Avoid contact with eyes and skin.
Wash hands at the end of work. Preventive skin protection recommended.
Do not eat or drink during work. Do not smoke.
Remove contaminated clothing before entering dining areas.*

7.2. Conditions for Safe Storage, including any Incompatibilities

Storage conditions:

*Store in tightly sealed containers in a dry and cool room.
Protect against heat and direct sunlight.
Protect from direct exposure to light.
Protect product from humidity.*

Requirements for storage areas and containers:

Store the product in the original container.

Information on fire and explosion protection:

*Take measures to prevent electrostatic discharge.
Do not store together with ignitable sources, heat and fire.
Vapors may form an explosive mixture with air.*

Storage class:

10; Combustible liquids (TRGS 510)

Further Information:

7.3. Specific End Use(s)

Further information:

See Section 1.2.; no other uses provided

8. Exposure Controls/Personal Protection

8.1. Parameters to be Controlled

Parameters to be controlled (DE):

*TRGS 900
White mineral oil (CAS 8042-47-5): TLV: Average value: 5 mg/m³;
Short-term value: 20 mg/m³*

Parameters to be controlled:

Oil Mist: ACGIH TLV (USA): 5 mg/m³; ACGIH STEL (USA): 10

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mg/m³; OSHA (PEL): 5 mg/m³

Derived No-Effect Level (DNEL):

164 mg/m³ (worker, inhalation, long-term exposure - systemic effects)

217 mg/m³ bw/d (worker, skin contact, long-term exposure - systemic effects)

Predicted No-Effect Concentration (PNEC):

Additional Information:

8.2. Exposure Controls

Technical protective measures:

Provide adequate ventilation.

Personal Protection

General protective measures:

Do not inhale gas/fumes/vapor/aerosol.

Avoid contact with eyes and skin.

Keep away from foodstuffs and drinks. Do not eat, drink or smoke during work. Wash hands before breaks and at the end of work.

Respiratory protection:

Required in case of insufficient ventilation (EN 143 or 149).

Recommended: Composite filter ABEK (brown/gray/yellow/green), P1 (white)

Hand protection:

Protective gloves (EN 374)

Protective glove material:

Nitrile rubber (NBR) (> 480 min, 0.65 mm)

Eye protection:

Safety glasses (EN 166)

Body protection:

Protective clothing.

Environmental precautions:

Prevent from getting into the soil, surface water and sewage system.

9. Physical and Chemical Properties

9.1. Information on Basic Physical and Chemical Properties

Form: liquid

Color: colorless

Odor: odorless

Odor threshold: no information available

pH-Value: not determined

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Melting temperature:	-6°C (Pourpoint)
Boiling temperature:	218 - 800°C (101.3 kPa; ECHA)
Flash point:	> 182°C (ASTM D-92)
Evaporation rate:	No information available.
Flammability (solid, gas):	Product is combustible, but not easily flammable.
Upper explosion limit:	7 Vol.-%
Lower explosion limit:	0.9 Vol.-%
Vapor pressure:	< 0.013 kPa (20°C)
Vapor density:	> 2 (Luft=1)
Density:	0.810 - 0.894 g/m ³ (15°C)
Solubility in water:	insoluble
Coefficient of variation (n-Octanol/Water):	> 3.5 log KOW
Auto-ignition temperature:	not applicable
Decomposition temperature:	not determined
Viscosity, dynamic:	not determined
Explosive properties:	Product does not present an explosion hazard.
Oxidizing properties:	not oxidizing
Bulk density:	

9.2. Further Information

Solubility in solvents:	
Viscosity, kinematic:	14.5 cSt (40°C) 17.5 cSt (40°C) 3.7 cSt (100°C)
Burning class:	
Solvent content:	
Solid content:	
Particle size:	
Other information:	

Temperature class: T2 (maximum temperature: 300°C)

10. Stability and Reactivity

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10.1.	Reactivity	<i>Stable if used according to specifications.</i>
10.2.	Chemical Stability	<i>Stable if used according to specifications.</i>
10.3.	Possibility of Hazardous Reactions	<i>Formation of explosive vapor-air-mixtures possible in case of insufficient ventilation.</i>
10.4.	Conditions to Avoid	<i>Conditions to avoid:</i> <i>Avoid heat, open fire and other ignition sources.</i> <i>Avoid humidity.</i> <i>Thermal decomposition:</i>
10.5.	Incompatible Materials	<i>Oxidizing agents.</i>
10.6.	Hazardous Decomposition Products	<i>Carbon monoxide and dioxide.</i> <i>In the event of fire: see part 5.</i>
10.7.	Further Information	
11.	Toxicological Information	
11.1.	Information on Toxicological Effects	
	<i>Acute Toxicity</i>	
	<i>LD50, oral:</i>	<i>> 5000 mg/kg (rat; OECD 401)</i>
	<i>LD50, dermal:</i>	<i>> 2000 mg/kg (rabbit; OECD 402)</i>
	<i>LC50, inhalation:</i>	<i>< 5 mg/l (4h, rat; OECD 403)</i>
	<i>Primary effects</i>	
	<i>Irritant effect on skin:</i>	<i>Prolonged and/or repeated skin contact can cause irritation and dermatitis due to the defatting properties of the product.</i>
	<i>Irritant effect on eyes:</i>	<i>No information available.</i>
	<i>Inhalation:</i>	<i>No information available.</i>
	<i>Ingestion:</i>	<i>Can be lethal when swallowed.</i>
	<i>Sensitization:</i>	<i>No relevant data found.</i>
	<i>Mutagenicity:</i>	<i>No relevant data found.</i>
	<i>Reproductive toxicity:</i>	<i>No relevant data found.</i>
	<i>Carcinogenicity:</i>	

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No relevant data found.

Teratogenicity:

No information available.

Specific target organ toxicity (STOT):

No relevant data found.

Additional toxicological information:

Aspiration toxicity: may be fatal if swallowed and enters airways.

12. Ecological Information

12.1. Aquatic Toxicity

Fish toxicity:

LL50: > 100 mg/l (96h, Oncorhynchus mykiss; OECD 203)

Daphnia toxicity:

LL50: > 100 mg/l (48h, Daphnia magna; OECD 202)

EL50 (Chronic): > 1000 mg/l (21d, Daphnia magna; OECD 211)

Bacteria toxicity:

LOEL: < 2000 mg/kg (93d, microorganisms; ECHA)

Algae toxicity:

No information available.

12.2. Persistency and Degradability

Oxygen consumption: 31 % (28d, OECD 301F)

Not readily biodegradable.

12.3. Bioaccumulation

log KOW: > 3.5

12.4. Mobility

No information available.

12.5. Results of PBT- und vPvP Assessment

This substance is not classified as PBT (persistent, bioaccumulative, toxic), nor as vPvB (very persistent, very bioaccumulative).

12.6. Other Adverse Effects

Water hazard class:

1, slightly hazardous

Do not allow undiluted product or large quantities of it to reach ground water, waterways or sewage system.

Behaviour in sewage systems:

Further ecological effects:

AOX Value:

13. Disposal Considerations

13.1. Waste Treatment Methods

Product:

Dispose of according to official national and local regulations.

European Waste Code (EWC):

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Uncleaned packaging:

Non contaminated packaging can either be recycled or utilized for energy (incineration).

Contaminated packaging must be disposed like the substance.

Waste Code No.:

14. Transport Information

14.1. UN Number

ADR, IMDG, IATA

14.2. UN Proper Shipping Name

ADR/RID:

No hazardous goods according to ADR / DOT (US) (land transportation).

IMDG/IATA:

Not hazardous goods

14.3. Transport Hazard Classes

ADR Class:

not applicable

Hazard no.:

Classification code:

Tunnel restriction code:

IMDG Class (sea):

not applicable

Hazard no.:

EmS No.:

IATA Class:

not applicable

Hazard no.:

14.4. Packaging Group

ADR/RID:

not applicable

IMDG:

IATA:

14.5. Environmental Hazards

None

14.6. Special Precautions for User

Not classified as a dangerous good under transport regulations.

14.7. Transportation in Bulk according to Annex II of MARPOL 73/78 and IBC-Code

not applicable

14.8. Further Information

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15. Regulatory Information

15.1. Safety, Health and Environmental Regulations/Legislation specific for the Substance or Mixture

Water hazard class:

1, slightly hazardous for water (according to the German Regulation AwSV)

Local regulations on chemical accidents:

Not listed.

Employment restrictions:

The employment restrictions for young workers in accordance with the Youth Employment Protection Law (§ 22 JArbSchG) are to be observed.

The employment restrictions for nursing mothers are to be observed (§11 MuSchRiv).

Restriction and prohibition of application:

EC. REACH, Section XVII, Restrictions on the Manufacture, Placing on the Market and Use of Certain Dangerous Substances, Preparations and Articles: Listed R3

Technical instructions on air quality:

5.2.5.: Organic substances: $m \geq 0.10$ kg/h: conc. 20 mg/m³

15.2. Chemical Safety Assessment

A Chemical Safety Assessment has been carried out for this product.

15.3. Further Information

Listed in the following inventories:

REACH (EU), TSCA (US), AICS (AUS), DSL (CA), KECI (KR), PICCS (PH), IECSC (CN), NZIoC (NZ), CICR (TR), TCSI (TW), INSQ (MX)

Regulation (EC) 1005/2009 - Substances that Deplete the Ozone Layer: not regulated / not applicable

Regulation (EU) No. 98/2013 on the marketing and use of explosives precursors: Not listed

Regulation (EC) 649/2012 concerning the export and import of dangerous chemicals: Not applicable

RoHS Directive 2011/65/EC on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS): not listed.

16. Other Information

This product should be stored, handled and used in accordance with good hygiene practices and in conformity with any legal regulations. This information contained herein is based on the present state of knowledge and is intended to describe our product from the point of view of safety requirements. It should be therefore not be construed as guaranteeing specific properties.