

SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006**Z-Weissöl HT 4**

Revision Date: 21.02.2024

Print Date : 21.02.2024

Ref 03

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier*)**

Z-Weissöl HT 4
UFI: SGV9-70SQ-A00A-KPEA

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

Use of the substance or mixture:
Industrial use
Process oil for metalworking
Process oil for plastics processing
Other industrial uses

1.3. Details of the supplier of the safety data sheet

Zahradnik GmbH
Industriestraße 5
74821 Mosbach
Deutschland
Tel.: +49 (6261) 9388-0
Fax-Nr.: +49 (6261) 18482
kontakt@zahradnik.com

1.4. Emergency telephone number

Tel.: +49 173 3256947

SECTION 2 Hazards identification:**2.1. Classification of the substance or mixture (REGULATION (EC) No 1272/2008)**

ASP-TOX 1 H304 – May be fatal if swallowed and enters airways.

2.2. Label elements

Labeling according to Regulation (EC) Nr. 1272/2008:
The product is classified and labelled in accordance with the GHS regulation.

Hazard pictogram:

GHS 08

Signal word: Danger!

Hazard-determining components for labelling: *)

White mineraloil CAS: 8042-47-5

Warnings: ASP-TOX 1 H304 – May be fatal if swallowed and enters airways.

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Hints for safety**Reaction****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**2.3. Other hazards**

This substance/mixture does not contain any components in concentrations of 0,1 % or either persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB).

Environmental claims: The substance/mixture does not contain any constituents that have Been REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100, or Commission Delegated Regulation (EU) 2018/605 in quantities of 0,1 % or more endocrine-disrupting properties.

Toxicological claims: The substance/mixture does not contain any constituents specified in REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100, or Commission Delegated Regulation (EU) 2018/605 in quantities of 0,1 % or more endocrine-disrupting properties.

SECTION 3: Composition/information on ingredients**3.1 Substance:****Hazardous components:**

| Component | Identifiers | Content | Classification 1272/2008 [CLP] |
|------------------|---|---------|-----------------------------------|
| White mineraloil | REACH #: 01- 2119487078-27-XXXX EG: 232-455-8 CAS: 8042-47-5 | 100 % | Asp. Tox. 1, H304 |

For explanation of abbreviations see section 16.

Section 4: First-Aid-Measures**4.1. Description of first aid measures**

If inhaled: Move to fresh air.
Artificial respiration and/or oxygen may be necessary.
Seek medical advice.

In case of skin contact:
In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
Wash skin thoroughly with soap and water or use recognized skin cleanser.
Wash clothing before reuse.
in case of irritation of the skin (flare) consult a doctor

In case of eye contact:

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Remove contact lenses.
Rinse immediately with plenty of water, also under the eyelids,
for at least 15 minutes.
Obtain medical attention.
If swallowed: Rinse mouth with water.
DO NOT induce vomiting unless directed to do so by a
physician or poison control center.
Never give anything by mouth to an unconscious person.
Seek medical advice

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

Risks : First aider needs to protect himself.

4.3. Indication of any immediate medical attention and special treatment needed**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media:**

In case of fire, use foam, dry chemical or carbon dioxide extinguisher or spray.

Unsuitable extinguishing media:

Do not use water jet.

5.2. Special hazards arising from the substance or mixture**Specific hazards during firefighting:**

Cool closed containers exposed to fire with water spray.

Hazardous combustion products:

Carbon oxides (CO, CO₂), sulphur oxides (SO_x), calciumoxides (CaO_x),
smoke and irritating vapours as products of incomplete combustion.

5.3. Advice for firefighters

Prevent fire extinguishing water from contaminating surface water or the ground water system.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment.

Ensure adequate ventilation.

Evacuate personnel to safe areas.

Material can create slippery conditions.

Mark the contaminated area with signs and prevent access to unauthorized personnel.

Only qualified personnel equipped with suitable protective equipment may intervene.

6.2 Environmental precautions

Do not allow uncontrolled discharge of product into the environment.

6.3 Methods and material for containment and cleaning up

Prevent further leakage or spillage if safe to do so.

Remove all sources of ignition.

Soak up with inert absorbent material.

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Non-sparking tools should be used.
Ensure adequate ventilation.
Contact the proper local authorities.

6.4 Reference to other sections

For personal protection see section 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling:

For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.
Use only with adequate ventilation.
In case of insufficient ventilation, wear suitable respiratory equipment.
Avoid contact with skin, eyes and clothing.
Do not ingest.
Keep away from heat and sources of ignition.
Keep container closed when not in use.

Advice on protection against fire and explosion:

None known.

Hygiene measures:

Remove and wash contaminated clothing and gloves, including the inside, before re-use.
Wash face, hands and any exposed skin thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers:

Store in original container. Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Keep in a dry, cool and well-ventilated place. Keep in properly labelled containers.
To maintain product quality, do not store in heat or direct sunlight.

7.3. Specific end use(s)

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

White mineral oil TWA (Mist) 5 mg/m³ CA AB OEL

DNEL-/PNEC-values

DNEL Long-term

| | | |
|------------|-----------------------|-------------------------|
| dermal | 220 mg/kg bw/day | worker systemic |
| inhalation | 160 mg/m ³ | worker systemic |
| dermal | 92 mg/kg bw/day | general public systemic |
| inhalation | 35 mg/m ³ | general public systemic |
| oral | 40 mg/kg bw/day | general public systemic |

8.2. Exposure controls

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Engineering measures

No special ventilation requirements. Good general ventilation should be sufficient to control Worker exposure to airborne contaminants.

Personal protective equipment**Eye protection :**

Wear face-shield and protective suit for abnormal processing problems.

Hand protection

Material : neoprene, nitrile, polyvinyl alcohol (PVA), Viton(R).

Remarks : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Skin and body protection :

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.

Respiratory protection :

Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.

Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Filter type : organic vapour filter

Protective measures : Wash contaminated clothing before re-use.

No special protective equipment required.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

| | |
|---------------------------------|---|
| Appearance | fluid |
| Colour | colourless |
| Odour | characteristic |
| Odour Threshold | No data available |
| pH | No data available |
| Boiling point/ boiling range | No data available |
| Flashpoint | > 130°C |
| Pourpoint: | -55°C |
| Ignition Temperature | No data available |
| Evaporation rate | No data available |
| Flammability (solid, gas) | Low fire hazard. This material must be heated before ignition will occur. |
| Upper explosion limit | 0,6 Vol.-% |
| lower explosion limit | 6,5 Vol.-% |
| Vapour pressure | No data available |
| Relative vapour density | No data available |
| Density | < 1000 g/cm ³ , 20 °C |
| Water solubility | insoluble |
| Partition coefficient: | |
| noctanol/water | No data available |
| auto Ignition Temperature | >250°C |
| Decomposition temperature | No data available |

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Viskosity, kinematic 3,5 mm²/s at 40°C
Oxidable properties No data available

9.2. Other information

No data available

SECTION 10: Stability and reactivity**10.1 Reactivity**

Reacts with strong oxidizing agents.

10.2 Chemical stability

This Produkt ist chemically stable under specified storage conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions: Hazardous polymerisation does not occur.
 Stable under normal conditions.

10.4 Conditions to avoid

No decomposition when used as directed.

10.5 Incompatible materials

Materials to avoid: Reactive with oxidising agents.

10.6 Hazardous decomposition products

None known when used as directed.
In the event of a fire, toxic gases can be produced.

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Akute Toxizität**

Hochraffinierte Grundöle
LC50 Einatmen Stäube und Nebel Ratte >5000 mg/m³ 4 Stunden
LD50 Dermal Kaninchen >2000 mg/kg -
LD50 Oral Ratte >5000 mg/kg -

Corrosion

non-irritating.

Corrosive/irritating effect on the skin

Parameters : Corrosive/irritating effect on the skin (heavy paraffin distillates, treated with hydrogen (petroleum ; CAS No. : 64742-65-0))

Species : Rabbit

Result : light effects but not relevant for classification.

Severe eye damage/irritation

Parameters : Severe eye damage/irritation (heavy paraffin distillates, treated with hydrogen (petroleum ; CAS No. : 64742-65-0))

Species : Rabbit

Result : light effects but not relevant for classification

Respiratory/skin sensitization

non-sensitizing.

Sensitization of the skin

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Parameters : Corrosive/irritating effect on the skin (heavy paraffin distillates, treated with hydrogen (petroleum ; CAS No. : 64742-65-0)

Species : Rabbit

Result : light effects but not relevant for classification

Toxicity after repeated admission (subacute, subchronic, chronic)**Subacute dermal toxicity**

Has a degreasing effect on the skin.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**Carcinogenicity**

no known significant effects or critical hazards.

Germ cell mutagenicity

no known significant effects or critical hazards.

Reproductive toxicity

no known significant effects or critical hazards.

STOT-single exposure

STOT SE 1 and 2

Not expected to cause organ damage from a single exposure.

STOT-repeated exposure

STOT RE 1 and 2

Not expected to cause organ damage from prolonged or repeated exposure.

Aspiration hazard

Can be fatal if swallowed and enters the respiratory tract.

11.2. Information on other hazards**Endocrine-disrupting properties:**

Assessment : The substance/mixture does not contain any constituents that have endocrine disrupting properties in quantities of 0.1% or more in accordance with REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Delegated Regulation (EU) 2018/605.

SECTION 12: Ecological information**12.1. Toxicity:****Toxicity to fish**

- No further relevant information available.

Toxicity to daphnia and other aquatic invertebrates :

- No further relevant information available.

Toxicity to algae/aquatic plants :

No further relevant information available.

Toxicity to microorganisms :

- No further relevant information available.

Substance:

Distillates (petroleum), hydrogen-treated light paraffinic ones; Base oil — unspecified:

Toxicity to fish :

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NOEC (fish): > 100 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates :
NOEC (Daphnia (water flea)): > 100 mg/l Exposure time: 48 h
Toxicity to algae/aquatic plants :
NOEC (algae): > 100 mg/l Exposure time: 72 h

- 12.2 Persistence and degradability** No further relevant information available.
12.3 Bioaccumulative potential No further relevant information available.
12.4 Mobility in soil No further relevant information available.
12.5 Results of PBT and vPvB assessment No further relevant information available.
12.6 Endocrine-disrupting properties:
Assessment : The substance/mixture does not contain any constituents that have endocrine disrupting properties in quantities of 0.1% or more in accordance with REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Delegated Regulation (EU) 2018/605.
12.7 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

- 13.1 Waste treatment methods**
Must be given special treatment in consultation with the competent authority.
Disposal in accordance with the Circular Economy and Waste Management Act (KrW-/AbfG).
Observe the prohibition of mixing according to the Waste Oil Ordinance.
Disposal in accordance with EC Directives 75/442/EEC and 91/689/EEC on waste and hazardous waste, as amended.
European waste catalogue

Product

Waste code (recommendation, exact assignment must be application-specific)

12 01 07 Halogen-free mineral oil-based machining oils

Uncleaned Packaging

Disposal in accordance with government regulations.
Uncontaminated and emptied packaging can be recycled.
be fed .Packaging that cannot be cleaned must be disposed of.

SECTION 14: Transport information

- 14.1. UN-Number**
Non-dangerous material according to transport regulations
(RID, ADR, ADNR, IMDG, IATA-DGR)
- 14.2. UN-proper shipping name**
Non-dangerous material according to transport regulations
(RID, ADR, ADNR, IMDG, IATA-DGR)
- 14.3. Transport hazard classes**
Non-dangerous material according to transport regulations
(RID, ADR, ADNR, IMDG, IATA-DGR)
- 14.4. Packing group**
Non-dangerous material according to transport regulations
(RID, ADR, ADNR, IMDG, IATA-DGR)

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14.5. Environmental hazards

Non-dangerous material according to transport regulations
(RID, ADR, ADNR, IMDG, IATA-DGR)

14.6. Spezial precautions for users

Non-dangerous material according to transport regulations
(RID, ADR, ADNR, IMDG, IATA-DGR)

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

Water hazard class 1 (Self-assessment): slightly hazardous for water. Confirm with AwSV

15.2. Chemical safety assessment

A Chemical safety assessment is not provided for mixtures

SECTION 16: Other information

The labelling of the product is listed in Chapter 2. The full text of all abbreviations in this safety data sheet is as follows:

Wording of the H and EU H phrases:

H304 May be fatal if swallowed and enters respiratory tract.

Abbreviations and Acronyms:

REACH: Registration, Evaluation and Authorisation of Chemicals (regulation (EC) No 1907/2006)

PBT: persistent, bioaccumulative, toxic

vPvB: very persistent, very bioaccumulative

EC: European Community

NLP: no longer polymers

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

WEL: Worktime Exposure Limit

TWA: Time Weighted Average concentration

STEL: Short Time Exposure Limit

OEL: Occupational Exposure Limit

TLV: Threshold limit value

TWA: Time Weighted Average concentration

STEL: Short Time Exposure Limit

IOELV: Indicative Occupational Exposure Limit Value

WEL: Worktime Exposure Limit

ACGIH: American Conference of Governmental Industrial Hygienists

EC50: ecotoxic concentration, 50 percent

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NOEC: no observed effect concentrations

NOELR: No observed effect loading rate

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

VOC: Volatile Organic Compounds (USA, EC)

ADR: Accord européen sur le transport des marchandises Dangereuses par Route (European Agreement concerning the

International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

Changes compared to the previous edition: *)**Further information:**

The information is based on the current state of our knowledge and refers to the product as it was delivered. They are intended to describe our products with regard to safety requirements and therefore do not have the significance of guaranteeing specific properties.