

MATERIAL SAFETY DATA SHEET

in accordance with (EG) no 1907/2006

Leather Honing Wheel Oil

Revised: 2017-10-26 Valid from 2015-06-01

1. Identification of substance / preparation and company

1.1. Identification of substance or preparation

Trade name: Leather Honing Wheel Oil
Suppliers article no: 11488

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

Relevant identified uses: Lubricant.

1.3. Details of the supplier of the material safety data sheet

SUPPLIER

Company: Tormek AB
Address: Torphyttvägen 40
Area code / City: 711 34 Lindesberg
Country: Sverige
E-mail: info@tormek.se
Web page: www.tormek.com
Telephone: +46 581 14790
Fax: +46 581 10930

Contact:

Name	E-mail	Telephone
Robert Karlsson	info@tormek.se	+46 581 14790

1.4. Emergency telephone

+46 581 147 90 kl. 8:00 - 16:00

2. Hazards identification

2.1. Classification of the substance or mixture

The mixture is not classified as dangerous according to regulation (EG) 1272/2008 (CLP).

2.2. Label elements

This product has no duty to mark.

2.3. Other hazards

Contains a petroleum based mineral oil. May cause respiratory irritation or other effects on the lungs if prolonged or repeated inhalation of airborne oil mist over recommended exposure limits for mineral oil mist. Symptoms of respiratory irritation are for example cough and breathing difficulties.

3. Composition / information on ingredients

3.2. Mixture composed of binder / polishing compound / grinding compound

Chemical name	REACH no.	EC no.	CAS no.	Weight	(EG) 1272/2008 (CLP)
White mineral oil(petroleum)	01-2119487078-27-xxxx	232-455-8	8042-47-5	>99%	-

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4. First aid measures

4.1 Description of first aid measures

Inhalation: In case of symptoms resulting from inhalation of smoke, fog or vapor from the product: Fresh air, warmth and rest, preferably in a comfortable sitting position.

Ingestion: Rinse mouth immediately and drink plenty of water (200-300 ml).

Skin contact: Immediately remove all contaminated clothing. Wash with plenty of soap and water.

Eye contact: Rinse immediately with plenty of water. Keep your eyelids wide apart. Preferably use lukewarm water with soft water jet/shower. If possible, remove any contact lenses.

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

Inhalation: Contains a petroleum based mineral oil. May cause respiratory irritation or other effects on the lungs if prolonged or repeated inhalation of airborne oil mist.

Ingestion: Nausea and diarrhea may occur.

Skin contact: High pressure injection under the skin can cause severe damage.

Eye contact: Few or no symptoms expected.

4.3. Indication of immediate medical attention and special treatment needed

Treat symptomatically.

5. Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media: Water mist (trained personnel only) - Foam - Carbon dioxide (CO₂) - Powder

Unsafe extinguishing media: Avoid strong water jet directly against the fire. Risk of spreading the fire.

5.2. Special hazards arising from the substance or mixture

No known.

5.3. Advice for firefighters

Use respiratory protection with closed system and suitable protective clothing in case of fire.

Other information

Contain and collect the extinguishing water. Prevent the extinguishing water and other materials from the fire fighting to flow into water courses, drains or drinking water sources.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Spill of the product causes a risk of slipping. Wear appropriate protective equipment (see section 8).

6.2. Environmental precautions

Stop or enclose the leak at the source, if it can be done safely. Prevent spillage from entering water courses or drains. If this is not possible, contact the relevant authorities immediately.

6.3. Methods and materials for containment and cleaning up

Contain spill with sand, soil or suitable absorbent. Transfer collected product and other contaminated materials to suitable containers for recycling or safe disposal.

6.4 Reference to other sections

For personal protective equipment see section 8. For disposal, refer to section 13.

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7. Handling and storage

7.1. Precautions for safe handling

Preventive measure for handling:

Use working methods that minimize the appearance of oil mist. Avoid inhalation of vapor/mist. Avoid contact with skin and eyes. Use suitable protective equipment (see section 8). Avoid spillage into the environment.

Hygiene:

Do not handle near food and drink. Do not eat, drink or smoke during handling. Wash your hands thoroughly after handling. Replace immediately soiled clothing.

7.2. Conditions for safe storage, including any incompatibilities

Store in the original container and at temperatures between 15°C and 25°C.

Avoid heat, flames and other sources of ignition.

7.3. Specific end use(s)

See section 1.2.

8. Exposure controls / personal protection

8.1. Control parameters

Exposure limit values

Chemical name	CAS-no	Threshold level mg/m3	Short-time value mg/m3	Year
Oil mist, incl. oil smoke	-	1 ppm: -	1 ppm: -	1990
Source: AFS 2011:18				

Exposure limits

DNEL: inhalation: 160 mg Aerosol/m3/8h

DNEL: dermal: 220 mg/kg/8 h

8.2. Exposure controls

Technical actions: Ensure adequate ventilation on workstation. Ventilation should be effective. Limit values shall not be exceeded and the risk of inhalation of vapors shall be minimized

Eye / face protection: Protective goggles or face shield should be used in case of splashes.

Hand protection: Chemical resistant gloves should be used for prolonged or repeated contact.

Wear protective gloves made of:

> 8h Nitrile rubber. Viton (fluoride rubber)

4-8h Silver Shield/4H

1-4h Barrier (PE/PA/PE)

<1h Natural rubber (latex). Neoprene. Polyvinyl chloride (PVC). Butyl rubber.

Skin protection: In case of skin contact, suitable protective clothing should be used.

Respiratory protection: In case of insufficient ventilation and at risk of inhalation of oil mist, suitable respiratory protection with combination filter (type A2 / P3) may be used.

Thermal risks: No information.

Environmental exposure controls: Prevent spillage from entering surface water or sanitary sewer systems. If this is not possible, contact the relevant authorities immediately. For waste disposal see section 13.

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9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance: Fluid liquid
Colour: Colorless
Odour: Odorless

Parameter	Value / unit	Metod/ref	Comments
pH concentrate	Not determined		
Melting point	Not determined		
Freezing point	Not applicable		
Minimum flow temperature	'-12°C		
Initial boiling point and boiling range	'340 - 550°C		
Flash point	> 240°C		
Evaporation rate	Not applicable		
Flammability (solid, gas)	Not applicable		
Ignition limits	'200°C		
Upper / Lower flammability limit or explosion limit	Not applicable		
Vapour pressure	'<0,13 hPa (20°C)		
Vapour density	Not applicable		
Density	0,869 g/cm3 (15°C)		
Relative density	0,84 - 0,88		
Solubility	Not soluble in water.		
Partition coefficient	Not applicable		
Auto-ignition temperature	Not applicable		
Decomposition temperature	Not applicable		
Viscosity	68 mm2/s (40°C)		
Explosive properties	Not applicable		
Oxidizing properties	Not oxidizing		

9.2. Other information

None.

10. Stability and reactivity

10.1. Reactivity

No known.

10.2. Chemical stability

Stable at recommended storage and handling conditions.

10.3. Possibility of hazardous reactions

No known.

10.4. Conditions to avoid

In case of heat and fire, very toxic fumes / gases may form.

Do not expose to heat / sparks / open flames / hot surfaces. - Smoking forbidden.

10.5. Incompatible materials

Strong acids. Strong oxidizing agents.

10.6. Hazardous decomposition products

No dangerous decomposition products known.

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11. Toxicological information

11.1. Information on toxicological effects

LD50 orally > 5000 mg/kg (rat) (OECD 401)

LD50 dermal >2000 mg/kg (rabbit) (OECD 402)

LC50 inhalation > 5 mg/l (rat) (OECD 403)

Acute toxicity

The product is not classified as toxic.

Corrosive / irritating to the skin

The product is not classified as irritating. Prolonged skin contact may cause redness and irritation.

Serious eye damage/eye irritation

The product is not classified as irritating. May cause transient eye irritation.

Causes allergies in respiratory system and skin

The product is not classified as sensitizing.

Respiratory / skin sensitization

Not applicable.

Germ cell mutagenicity

The product is not classified as mutagenic.

Carcinogenicity

The product is not classified as carcinogen. Not classified as carcinogenic, when initial substance/oil contains <3% DMSO extract, according to standard IP 346 as determined by the Institute of Petroleum in London.

Toxicity at repeated exposure

The product is not classified as toxic.

Reproductive toxicity

The product is not classified as toxic to reproduction.

Single exposure (STOT)

Not applicable.

Repeated exposure (STOT)

Not applicable.

Aspiration hazard

Not applicable.

12. Ecological information

12.1 Toxicity

Not classified as hazardous to the environment. However, the product must not be emptied into sewers or in watercourses or deposited where it may affect soil or surface water.

EC50 48 hours, Daphnia, mg/l: >100 mg/l

LC50 96 hours, fish, mg/l: >100 mg/l

12.2 Persistence and degradability

Not readily biodegradable according to applicable EC criteria.

12.3 Bioaccumulative potential

The product has not been tested.

12.4 Mobility

The product has not been tested. Emissions of the product may contaminate soil and groundwater.

12.5 Result of PBT and vPvB assesment

The product is not, or does not contain, a substance considered to be PBT or vBvP.

12.6 Other adverse effects

Avoid emissions into the environment.

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13. Disposal considerations

13.1. Waste treatment methods

Waste disposal: Waste from the product must not be allowed to contaminate soil or water, or to be released into the environment. Handled as hazardous waste in accordance with Waste Ordinance 2011: 927. Spill oils are divided into regenerable, those destined for combustion and the types that must be destroyed. In order to obtain a good waste recycling, it is important not to mix these groups.

Suggestions for waste codes for the product:

130205 - Mineral-based non-chlorinated engine, transmission and lubricating oils

Packaging:

Suggested waste codes for cleaned packaging:

15 01 02 - Plastic packaging

15 01 04 - Metal packaging

Suggestions for waste codes for uncleaned packaging:

50110 - Packaging containing residues or contaminated by dangerous substances

14. Transport information

Product classified as dangerous goods:

The product is not classified as dangerous goods according to ADR / RID, IMDG, ICAO / IATA.

14.1 UN-number	Not applicable.
14.2 Official shipping name	Not applicable.
14.3 Hazard class for transport	Not applicable.
14.4 Packing group	Not applicable.
14.5 Environmental hazards	Not applicable.
14.6 Special precautions	Not applicable.
14.7 Bulk transport according to Ann.II of MARPOL 73/78 and the IBC Code	Not applicable.

15. Current regulations

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

EC regulations

European Parliament and Council Regulation (EC) No 1907/2006.

European Parliament and Council Regulation (EC) No 1272/2008 on the classification, labeling and packaging of substances and mixtures (CLP).

National regulations

Work environment constitution "Exposure limits and actions against hygiene limits", AFS 2015:7.

Work environment constitution "Exposure limits and actions against air pollution", AFS 2011:18.

15.2. Chemical safety assessment

Information: Chemical safety assessment has not been carried out.

16. Other information

Issued: 2017-10-26