

SAFETY DATA SHEET

Revision date 08.05.2001

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OWATROL DEKS OLJE - D1

1. IDENTIFICATION OF THE PRODUCT AND COMPANY

Product name OWATROL DEKS OLJE - D1
Company OLSEN & WANG A.S.
P.O. Box 165 - Bryn
N-0611 Oslo, Norway
Phone: +47 22 76 18 00 Fax: +47 22 76 18 18

Distributor GEEDON LIMITED
Commerce Park, Whitehall Road,
Colchester, Essex CO2 8HX
Phone: 01206 797556 Fax: 01206 793004

Application Wood protection oil.
Author Akre-Aas Miljøkjemi AS - Phone: (+47) 72 41 10 01

2. COMPOSITION

CAS-no	Ingredients	Conc. %	CF	CH	CE	R-Sentences
64742-47-8	Hydrotreated petroleum C9-C16	50-80		Xn		65

Explanation CF/CH/CE=Classification fire/-health/-environment, Tx=Very Toxic, T=Toxic, C=Corrosive, Xn=Harmful, Xi=Irritating, IK=No classification required, E=Explosive, O=Oxidizing, Fx=Extremely flammable, F=Highly flammable, F=Very flammable, N=Danger. for environment, M=Genotoxic, A=Sensitization, K=Carcinogen, R=Causes birth defects.

Ingredients comments Contains air-drying oils. Substances above classified according to the List of Substances, List Notes not considered. See comments in chapter 11. The product is classified and labelled as stated in chapter 15.

3. HAZARD IDENTIFICATION

Inhalation of aerosol and vapour may cause respiratory irritation and central nervous system depression. Possible defatting of the skin. Air-drying oil may represent a spontaneous ignition hazard of in contact with combustible material. Spray may be highly inflammable.

4. FIRST AID MEASURES

More information Bring victim to safety, keep warm and resting. If unconscious; ensure that the patient is breathing, remove tight clothes and put the patient into a stable side position. If inanimate, give artificial respiration and heart compression. Do not try to give anything by mouth to unconscious patient. Consider need for medical assistance.

Inhalation Provide fresh air. Seek medical attention if persisting irritation.

Skin contact Wash skin thoroughly with soap and lukewarm water. Contaminated clothes should be removed and cleaned. Never apply solvents for cleaning of skin. Apply a fat hand cream if skin is dried out.

Eye contact Flush eyes carefully with copious quantities of water for at least 15 minutes while holding eyelids open. In case of continued pain or visual disturbances, continue flushing and seek medical assistance.

Ingestion Following ingestion, is most important to avoid vomiting. Clean the mouth. Rinse mouth and throat with water or milk, but drink as little as possible. If available, give 50 grams of medical coal stirred with a little water. Seek immediate medical assistance.

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5. PROTECTION AGAINST FIRE AND EXPLOSION

Extinguishing media	CO2, dry powder, foam, water fog
Extinguishing media not to be used	Directed water jet
Fire/explosion risks	Product is combustible and ignitable at temperatures over the flash point. Vapours heavier than air may spread along the ground to ignition sources, or accumulate on low places with explosion and ignition hazard. Spray fog is highly flammable. Drying oils may ignite spontaneously with combustible material, as rags and twist.
Special fire-fighting procedures	Use adequate personal protection, including respiratory protection with filter A2-P2, if sufficient, or self-contained breathing apparatus.
More information	Extinguish as oil fire. Avoid spraying water directly on burning oil, but water fog can be applied to cool exposed containers and to condensate the vapours. Personnel should be properly trained to extinguish oil fires. Avoid spills of polluted water to sewer or aquatic environment.

6. PROCEDURE IN CASE OF ACCIDENTAL RELEASE

Personal precautions	Stop engines and remove sources of ignition. Provide adequate ventilation. Use respiratory protection and protective clothing as described in chapter 8. Keep unauthorized persons and animals away from contaminated and exposed areas. Observe potential for slippery floor / road.
Environmental precautions	Avoid spreading. Do not let to sewer or environment. Spread sand to absorb any remaining oil. Spills to water will float on surface. Collect with booms and skimmers or absorbants. Spread sand after removing as much as possible. Significant spills to ground or water should be notified to the Fire Department.
Methods for cleaning up	Remove spills immediately using available absorbant or mechanical means. Collect in suitable container on a ventilated place. Petroleum based or emulsifying degreaser recommended for cleaning. Waste to be disposed as described in chapter 13.

7. HANDLING AND STORAGE

Handling	Provide good ventilation. Avoid inhalation and contact with skin and eyes. Discharge soiled clothing and shoes. Keep away from ignition sources, open fire and hot surfaces. Clothing, rags and other combustible material drenched with the product should be thoroughly wetted in water or kept well ventilated and on a safe place to avoid spontaneous ignition.
Storage	Store tightly closed original packages in a cool and ventilated place. Keep away from children.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

TLVs	Ingredients	Adm.Norm. Unit
	Hydrotreated petroleum C9-C16	275 mg/m3

Exposure control	Proper hygienic routines should be established to protect against skin contact. Provide adequate ventilation. Evaluate relevant personal protection.
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Respiration protection	Normally not necessary. Gasmask with filter A (brown) if risk of inhaling hazardous vapours is likely to occur. In case aerosol or sprayfog is likely to be inhaled, use a respirator with filter A2-P2 or FFP2SL.
Eye protection	Use goggles / face mask in case of spouting liquid.
Hand protection	Use nitrile rubber gloves or other oil resistant material.
Skin protection	Suitable protective clothing is required when skin contact or spouting liquid is possible. Use for instance boiler suit with long sleeves and legs, rubber boots and apron, etc. Do not wear clothing that has been penetrated with the product. Remove and wash soiled cloth before reuse. After skin contact, wash with soap and plenty of water.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Liquid	Odour	Faint odour
Colour	Golden	Solubility	Organic solvents
Melting point	-	Boiling point	>150 °C
Specific gravity	0,87 g/cm ³	Flash point	>63 °C (Setaflash)
Explosion limits	0,6 - 8,0 Vol %	pH - conc.	-
Solubility water	Insoluble	Mol mass	
Vapour pressure	<0,1 kPa (20 °C)	Viscosity	>7 mm ² /s (40 °C)
Saturation cons.		Auto-ignition temp.	>200 °C
pH - solution	-	Vapour density	>1

10. STABILITY AND REACTIVITY

Reactivity	Drying oils oxidize in air by slow exothermic reaction, which may cause spontaneous ignition in contact with combustible materials. The product is stable under normal conditions. Can react with strong oxidizing substances.
Hazardous decomposition products	No dangerous decomposition products expected under normal conditions of handling and use. In case of fire or strong heat, smoke with harmful and irritant combustion products may be formed.

11. TOXICOLOGICAL INFORMATION

More information	Contains volatile hydrocarbons, which may cause central nervous system depression.
Inhalation	Repeated and frequent inhalation of vapour / spray fog will irritate mucous membranes and may influence the central nervous system. Symptoms will be dizziness, narcosis, nausea, and headache.
Skin contact	Brief skin contact is considered harmless. Frequent and repeated skin exposure will cause drying of skin and incidental irritation.
Eye contact	Eye contact may cause redness and slight irritation.
Ingestion	Ingestion cause irritation of mucous membranes, abdominal pain, nausea, vomiting and diarrhoea. Chemical pneumonia and serious lung injuries may result from vomiting. Product is not classified with Xn and R-65 because flowtime in 3 mm ISO cup is >30 seconds by standard test procedures (EN 535 / ISO 2431).
Chronical effects	-
Sensitization	-

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Mutagenicity -

Cancer -

Reproduction -

12. ECOLOGICAL INFORMATION

Mobility The oil will float on water and spread on the surface. May pollute earth and ground water.

Biodegradability Low rate of biodegradability.

Accumulation Potential bioaccumulation.

Ecotoxicity No ecotoxicological data available. Large effluents may be harmful for marine organisms. Oilspills in the aquatic environment may cause physical damage to marine organisms and oxygen deficiency in water environment.

13. DISPOSAL CONSIDERATIONS

**Decontamination/
disposal** Rags, paper and other combustible material soiled with drying oil should be kept in a safe place, wetted with water or burned to avoid possible spontaneous ignition. Product remains should be delivered to authorized hazardous waste company. Waste possessor is responsible for handling of all remains.

Disposal group EWC-code 08 01 02 / 20 01 12. The EWC-code is indicative and depending on the origin of the waste. See Norwegian Special Waste Regulations.

14. TRANSPORT INFORMATION

ADR(road)	UN-no	Class	Label
	Dang. gods No		Danger no
	Marg.no		

RID(rail)	UN-no	Class	Label
	Dang. gods No		Danger no

IMDG(sea)	UN-no	Page	Packing gr
	Dang. gods No	MFAG no	Sub.Risk

IATA(air)	UN-no	Class	Label
	Dang. gods No	Sub.Risk	Packing gr

15. REGULATORY INFORMATION

R-phrases No Risk-phrases required.

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S-phrases	S-2	Keep out of reach of children.
	S-23	Do not breathe vapour/spray.
	S-24	Avoid contact with skin.
	S-51	Use only in well-ventilated areas.
	S-62	If swallowed do not induce vomiting: seek medical advice immediately and show this container or label.

Contains drying oils. Spontaneous ignition hazard. Spills and contaminated rags should be collected and kept in a fireproof container, dried under adequate ventilation or incinerated under safe conditions.

References Norwegian regulation on classification, labelling etc. of dangerous chemicals of 21/8-1997. Administrativ Norm (Occupational Air Requirement) Regulation 1996.

16. OTHER INFORMATION

Information sources Information supplied by product and raw material manufacturers.

More information This Safety Data Sheet is made by and subject to quality control by Akre-Aas Miljøkjemi AS on behalf of Olsen & Wang AS. It is made in accordance with Regulations relating to the Compilation and Distribution of Safety DataSheets for Dangerous Chemicals, dated 19. December 1997. This regulation implement Annex II, chapter XV on dangerous substances to the EEA Agreement cf. Commission Directives 91/155/EEC and 93/112/EC.

Replaces 22.03.2001

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