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AUTOSOL® Boat Wax

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Identification of the substance or preparation

AUTOSOL® Boat Wax

Use of the substance/preparation

Fast-acting liquid preserving and care agent for all varnished surfaces

Company/undertaking identification

Dursol-Fabrik Otto Durst GmbH & Co. KG, Martinstraße 22, D-42655 Solingen

Telephone +49 (0) 212-2718-0, Fax +49 (0) 212-208795

eMail: info@autosol.de

Homepage: www.autosol.de

E-mail address of the competent person: info@chemical-check.de, k.schnurbusch@chemical-check.de

Emergency telephone

Advisory office in case of poisoning:

Tel.: ---

Telephone number of the company in case of emergencies:

Tel. +49 (0) 212-2718-0 (8.00h - 16.00h)

2. HAZARDS IDENTIFICATION

To people

See point 11 and 15.

Preparation is not classified as hazardous in the sense of directive 1999/45/EC.

To the environment

See point 12.

REGULATION (EC) No 648/2004

n.a.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name			
content %	Symbol	R-phrases	EINECS, ELINCS
	Registration number (ECHA)	DNEL	PNEC
Naphtha (petroleum), hydrotreated heavy			
10 - 20	Xn	65-66	265-150-3
CAS 64742-48-9			
Paraffin (natural oil), normal C5-20-			
1 - 10	Xn	65-66	265-233-4
CAS 64771-72-8			



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For complete wording of the R-phrases, refer to point 16.

4. FIRST AID MEASURES

4.1 Inhalation

Remove person from danger area.

Supply person with fresh air and consult doctor according to symptoms.

4.2 Eye contact

Wash thoroughly for several minutes using copious water. Seek medical help if necessary.

4.3 Skin contact

Wash thoroughly using copious water - remove contaminated clothing immediately. If skin irritation occurs (redness etc.), consult doctor.

4.4 Ingestion

Rinse the mouth thoroughly with water.

Do not induce vomiting - give copious water to drink. Consult doctor immediately.

4.5 Special resources necessary for first aid

n.c.

5. FIRE-FIGHTING MEASURES

5.1 Suitable extinguishing media

Adapt to the nature and extent of fire.

5.2 Extinguishing media which shall not be used for safety reasons

High volume water jet

5.3 Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases

In case of fire the following can develop:

Oxides of carbon

Oxides of nitrogen

Toxic pyrolysis products.

5.4 Special protective equipment for fire-fighters

In case of fire and/or explosion do not breathe fumes.

Protective respirator with independent air supply

5.5 Further information

Dispose of contaminated extinction water according to official regulations.

6. ACCIDENTAL RELEASE MEASURES

Refer to point 13. and for personal protection refer to point 8.

6.1 Personal precautions

Ensure sufficient supply of air.

Avoid contact with eyes or skin.

If applicable, caution - risk of slipping.

6.2 Environmental precautions

If leakage occurs, dam up.

Prevent surface and ground-water infiltration, as well as ground penetration.

Prevent from entering drainage system.

6.3 Methods for cleaning up

Collect using absorbant material (e.g. Universal binding medium, sand, kieselguhr) and dispose of according to point 13.

7. HANDLING AND STORAGE

7.1 Handling



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Tips for safe handling:

- See point 6.1
- Ensure good ventilation.
- Avoid contact with eyes.
- Avoid long lasting or intensive contact with skin.
- Eating, drinking, smoking, as well as food-storage, is prohibited in work-room.
- Wash hands before breaks and at end of work.
- General hygiene measures for the handling of chemicals are applicable.
- Observe directions on label and instructions for use.

7.2. Storage

Requirements for storage rooms and containers:

- Store products only unopened, in original packing.
- Not to be stored in gangways or stair wells.
- Suitable container:
- PET

Special storage conditions:

- See point 10
- Store at room temperature.
- Keep out of access to unauthorised individuals.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Exposure limit values

Chemical Name	Naphtha (petroleum), hydrotreated heavy		
WEL-TWA: ** 200 ppm (1000 mg/m3) (AGW)	WEL-STEL: ** 4 (AGW)		---
BMGV: ---		Other information: ---	

Chemical Name	Paraffin (natural oil), normal C5-20-		
WEL-TWA: ** 200 ppm (1000 mg/m3) (AGW)	WEL-STEL: ** 4 (AGW)		---
BMGV: ---		Other information: ---	

WEL-TWA = Workplace Exposure Limit - Long-term exposure limit (8-hour TWA (= time weighted average) reference period) EH40. AGW = "Arbeitsplatzgrenzwert" (workplace limit value, Germany). | WEL-STEL = Workplace Exposure Limit - Short-term exposure limit (15-minute reference period). | BMGV = Biological monitoring guidance value EH40. BGW = "Biologischer Grenzwert" (biological limit value, Germany) | Other information: Sen = Capable of causing occupational asthma. Sk = Can be absorbed through skin. Carc = Capable of causing cancer and/or heritable genetic damage.
** = The exposure limit for this substance is repealed through the TRGS 900 (Germany) of January 2006 with the goal of revision.

8.2 Exposure controls

8.2.1 Occupational exposure controls

- Ensure good ventilation. This can be achieved by local suction or general air extraction.
- If this is insufficient to maintain the concentration under the WEL or AGW values, suitable breathing protection should be worn.
- Applies only if maximum permissible exposure values are listed here.
- Respiratory protection:
- Normally not necessary.
- If OES or MEL is exceeded.
- Gas mask filter A (EN 141)
- Hand protection:
- Chemical resistant protective gloves (EN 374).
- If applicable
- Protective Neopren gloves (EN 374).
- Protective nitrile gloves (EN 374)
- Protective hand cream recommended.
- Eye protection:
- With danger of contact with eyes



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Tight fitting protective goggles with side protection (EN 166).

Skin protection:

Protective working garments (e.g. safety shoes EN 344, long-sleeved protective working garments)

Additional information on hand protection - No tests have been performed.

Selection made for preparations according to the best available knowledge and information on the ingredients.

Selection of materials derived from glove manufacturer's indications.

Final selection of glove material must be made taking the breakthrough times, permeation rates and degradation into account.

Selection of a suitable glove depends not only on the material but also on other quality characteristics and varies from manufacturer to manufacturer.

In the case of preparations the resistance of glove materials cannot be calculated in advance so it has to be tested before use. The exact breakthrough time of the glove material can be requested from the protective glove manufacturer and must be observed.

8.2.2 Environmental exposure controls

n.av.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid
Colour:	White
Odour:	Characteristic
pH-value undiluted:	8,5
10 % pH-value:	8,0
Boiling point/boiling range (°C):	n.av.
Melting point/melting range (°C):	n.av.
Flash point (°C):	> 100
Oxidising properties:	No
Density (g/ml):	0,95 g/cm ³ (20°C)
Water solubility:	~ 75%
Solubility in oil / solvent:	~ 25%
Viscosity:	30 s/6 mm (20°C) (DIN 53 211)

10. STABILITY AND REACTIVITY

Conditions to avoid

See point 7

Stable when handled and stored correctly.

Materials to avoid

See point 7

No dangerous reactions are known.

Avoid contact with strong oxidizing agents.

Hazardous decomposition products

See point 5.3

No decomposition when used as directed.

11. TOXICOLOGICAL INFORMATION

Acute toxicity and immediate effects

Ingestion, LD50 rat oral (mg/kg):	n.av.
Inhalation, LC50 rat inhal.(mg/l/4h):	n.av.
Skin contact, LD50 rat dermal (mg/kg):	n.av.
Eye contact:	n.av.

Delayed and chronic effects

Sensitization:	n.c.
Carcinogenicity:	n.c.
Mutagenicity:	n.c.



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Reproductive toxicity: n.c.
Narcosis: n.c.

Further information

Classification according to calculation procedure.

The following may occur:

With long-term contact:

Drying of the skin.

Dermatitis (skin inflammation)

12. ECOLOGICAL INFORMATION

Water hazard class (Germany): 1
Self classification: Yes (VwVwS)
Persistence and degradability:
Not readily biodegradable *
Readily biodegradable **
Behaviour in sewage plants: According to the recipe, contains no AOX.
Aquatic toxicity: n.av.
Ecological toxicity: n.av.
Accumulation:
Concentration in organisms possible. *, **
* Naphtha (petroleum), hydrotreated heavy
** Paraffin (natural oil), normal C5-20-

13. DISPOSAL CONSIDERATIONS

13.1. for the material / preparation / residue

EC disposal code no.:

The waste codes are recommendations based on the scheduled use of this product.

Owing to the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances. (2001/118/EC, 2001/119/EC, 2001/573/EC)

12 01 12 spent waxes and fats

Recommendation:

Pay attention to local and national official regulations

E.g. suitable incineration plant.

E.g. dispose at suitable refuse site.

13.2 for contaminated packing material

See point 13.1

Pay attention to local and national official regulations

Empty container completely.

Untampered packaging can be recycled.

Dispose of packaging that cannot be cleaned in the same manner as the substance.

15 01 02 plastic packaging

14. TRANSPORT INFORMATION

General statements

UN-Number: n.a.

Road/Rail-transport (ADR/RID)

Class/packing group: n.a.

Classification code: n.a.

LQ: n.a.

Transport by sea

IMDG-code: n.a. (class/packing group)

Marine Pollutant: n.a.

Transport by air



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IATA: n.a. (class/secondary danger/packing group)

Additional information:

Non-dangerous material according to Transport Regulations.

15. REGULATORY INFORMATION

Classification according to Dangerous Product Regulations incl. EC Directives (67/548/EEC and 1999/45/EC)

Symbols: Not applicable

Indications of danger: ---

R-phrases:

S-phrases:

Additions: n.a.

Observe restrictions: n.a.

16. OTHER INFORMATION

These details refer to the product as it is delivered.

Storage class VCI (Germany): 12

Revised points: n.a.

The following phrases represent the prescribed R-phrases for the ingredients (designated in point 2).

65 Harmful: may cause lung damage if swallowed.

65 Also harmful: may cause lung damage if swallowed.

66 Repeated exposure may cause skin dryness or cracking.

Legend:

n.a. = not applicable / n.v., k.D.v. = n.av. = not available / n.g. = n.c. = not checked

WEL = Workplace Exposure Limit EH40, TWA = Long-term exposure limit (8-hour TWA (= time weighted average) reference

period), STEL = Short-term exposure limit (15-minute reference period) / BMGV = Biological monitoring guidance value EH40

AGW = "Arbeitsplatzgrenzwert" (workplace limit value, Germany) / BGW = "Biologischer Grenzwert" (biological limit value, Germany)

VbF = Regulations for flammable liquids (Austria)

WGK = water hazard class (Germany) - WGK 3 = very hazardous, WGK 2 = hazardous, WGK 1 = slightly hazardous to water

VOC = Volatile organic compounds / AOX = Adsorbable organic halogen compounds

VwVwS = Administrative Order relating to substances hazardous to water (Germany)

The statements made here should describe the product with regard to the necessary safety precautions - they are

not meant to guarantee definite characteristics - but they are based on our present up-to-date knowledge.

No responsibility.

These statements were made by:

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