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AUTOSOL® Edel-Chromglanz / Metal Polish

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® Edel-Chromglanz / Metal Polish

Use of the substance/preparation

Cleaning and care product for metal 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.

The following may occur:

Repeated exposure may cause skin dryness or cracking.

To the environment

See point 12.

REGULATION (EC) No 648/2004

15 % or over but less than 30 %

aliphatic hydrocarbons

5 % or over but less than 15 %

aromatic hydrocarbons

soap

less than 5 %

anionic surfactants

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical name | Symbol | R-phrases | EINECS, ELINCS |
|---------------|----------------------------|-----------|----------------|
| content % | Registration number (ECHA) | DNEL | PNEC |



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| | | | |
|-----------------------------------|----|-------|-----------|
| Kerosine (petroleum) | | | |
| 10 -< 50 | Xn | 65-66 | 232-366-4 |
| CAS 8008-20-6 | | | |
| Castor oil, sulfated, sodium salt | | | |
| 1 - 5 | Xi | 36 | |
| CAS n.v. | | | |

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.

Keep Data Sheet available.

4.3 Skin contact

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

4.4 Ingestion

Rinse the mouth thoroughly with water.

Call doctor immediately - have Data Sheet available.

Do not induce vomiting.

4.5 Special resources necessary for first aid

n.c.

5. FIRE-FIGHTING MEASURES

5.1 Suitable extinguishing media

Foam

CO2

Sand

Dry extinguisher

Water jet spray

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

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 inhalation, and contact with eyes or skin.



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If applicable, caution - risk of slipping.

6.2 Environmental precautions

If leakage occurs, dam up.

Do not pour down the drain undiluted.

6.3 Methods for cleaning up

Collect mechanically and dispose of according to point 13.

7. HANDLING AND STORAGE

7.1 Handling

Tips for safe handling:

See point 6.1

Ensure good ventilation.

Avoid long lasting or intensive contact with skin.

Wash hands before breaks and at end of work.

Eating, drinking, smoking, as well as food-storage, is prohibited in work-room.

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:

Not to be stored in gangways or stair wells.

Store products only unopened, in original packing.

Suitable container:

Aluminium

Sheet metal

Special storage conditions:

See point 10

Store at room temperature.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Exposure limit values

| GB | Chemical Name | Kerosine (petroleum) | | |
|----|---------------|-----------------------------------------------------------------------|--------------------|------------|
| | WEL-TWA: | ** 70 ppm (350 mg/m3) (AGW) | WEL-STEL: | ** 4 (AGW) |
| | BMGV: | --- | Other information: | --- |
| GB | Chemical Name | Aluminium oxide | | |
| | WEL-TWA: | 10 mg/m3 (total inhal. dust), 4 mg/m3 (resp. dust) (aluminium oxides) | WEL-STEL: | --- |
| | BMGV: | --- | Other information: | --- |

GB 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.



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If the general dust-limit is exceeded, breathing masks with fine-dust filters are necessary (EN 143).

If OES or MEL is exceeded.

Filter A2 P2 (EN 141)

Hand protection:

Protective hand cream recommended.

Recommended

Protective nitrile gloves (EN 374)

Eye protection:

Normally not necessary.

With danger of contact with eyes

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: | Paste |
| Colour: | White |
| Odour: | Ammonia |
| pH-value undiluted: | 9,5 |
| 10 % pH-value: | n.a. |
| Boiling point/boiling range (°C): | >= 100 |
| Melting point/melting range (°C): | n.av. |
| Flash point (°C): | > 100 |
| Oxidising properties: | No |
| Minimum limit of explosion: | n.a. |
| Maximum limit of explosion: | n.a. |
| Product is not explosive. | |
| Density (g/ml): | 1,26 |
| Water solubility: | << 10% |
| Viscosity: | 1500-2000 mPas/20°C DIN 53 211, > 7mm ² /s/40°C |

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.

Hazardous decomposition products

See point 5.3

No decomposition when used as directed.

11. TOXICOLOGICAL INFORMATION



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

Further information

Classification according to calculation procedure.

The following may occur:

Repeated exposure may cause skin dryness or cracking.

12. ECOLOGICAL INFORMATION

Water hazard class (Germany):

2

Self classification:

Yes (VwVwS)

Persistence and degradability:

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.

Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

Not totally biodegradable.*

Behaviour in sewage plants:

Mechanical precipitation possible.

According to the recipe, contains no AOX.

Aquatic toxicity:

n.av.

Ecological toxicity:

n.av.

* Kerosine (petroleum)

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 14 machining sludges containing dangerous substances

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.

Uncontaminated packaging can be recycled.

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

15 01 04 metallic packaging

14. TRANSPORT INFORMATION

General statements



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| | |
|------------------------------------------------------------|---------------------------------------------|
| 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 | |
| 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): | 10-13 |
| Revised points: | 3, 7, 12, 15, 16 |

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.
- 36 Irritating to eyes.

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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