



GB

Page 1 of 11
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
Revised on / Version: 19.01.2011 / 0010
Replaces revision of / Version: 20.09.2010 / 0009
Valid from: 19.01.2011
PDF print date: 03.02.2011
AUTOSOL® Edel-Chromglanz / Metal Polish

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

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Product identifier

AUTOSOL® Edel-Chromglanz / Metal Polish

Use of the substance/mixture

Cleaning and care product for metal surfaces

Relevant identified uses of the substance or mixture:

No information available at present.

Uses advised against:

No information available at present.

Details of the supplier of the safety data sheet

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)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

2.1.1 Classification according to Regulation (EC) 1272/2008 (CLP)

Not determined

2.1.2 Classification according to Directives 67/548/EEC and 1999/45/EC (including amendments).

The mixture is not classified as dangerous in the terms of the directive 1999/45/EC.

2.2 Label elements

2.2.1 Labeling according to Regulation (EC) 1272/2008 (CLP)

Not determined

2.2.2 Labeling according to Directives 67/548/EEC and 1999/45/EC (including amendments).



(GB)

Page 2 of 11
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
Revised on / Version: 19.01.2011 / 0010
Replaces revision of / Version: 20.09.2010 / 0009
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Symbols: Not applicable
Indications of danger: ---
R-phrases:

S-phrases:

Additions: n.a.

2.3 Other hazards

The mixture contains no vPvB substance (vPvB = very persistent, very bioaccumulative).
The mixture contains no PBT substance (PBT = persistent, bioaccumulative, toxic).

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

SECTION 3: Composition/information on ingredients

3.1 Substance

n.a.

3.2 Mixture

Kerosine (petroleum)	
Registration number (ECHA)	-
Index	649-404-00-4
EINECS, ELINCS	232-366-4
CAS	CAS 8008-20-6
content %	10-<50
Symbol	Xn
R-phrases	65-66
Classification categories / Indications of danger	Harmful
Hazard class/Hazard category	Hazard statement
Asp. Tox./1	H304

Castor oil, sulfated, sodium salt	
Registration number (ECHA)	-
Index	---
EINECS, ELINCS	269-123-7
CAS	CAS 68187-76-8
content %	1-5
Symbol	Xi
R-phrases	36
Classification categories / Indications of danger	Irritant
Hazard class/Hazard category	Hazard statement
Eye Irrit./2	H319

For the text of the R-phrases / H-phrases and classification codes (GHS/CLP), see Section 16.

SECTION 4: First aid measures



GB

Page 3 of 11

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

Revised on / Version: 19.01.2011 / 0010

Replaces revision of / Version: 20.09.2010 / 0009

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AUTOSOL® Edel-Chromglanz / Metal Polish

4.1 Description of first aid measures

Inhalation

Remove person from danger area.

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

Skin contact

Remove polluted, soaked clothing immediately, wash thoroughly with plenty of water and soap, in case of irritation of the skin (flare), consult a doctor.

Eye contact

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

Keep Data Sheet available.

Ingestion

Rinse the mouth thoroughly with water.

Call doctor immediately - have Data Sheet available.

Do not induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Where relevant delayed occurring symptoms and effects will be found in section 11. or at the exposure routes under section 4.1.

Repeated exposure may cause skin dryness or cracking.

4.3 Indication of any immediate medical attention and special treatment needed

n.c.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Foam

CO₂

Sand

Dry extinguisher

Water jet spray

Unsuitable extinguishing media

High volume water jet

5.2 Special hazards arising from the substance or mixture

In case of fire the following can develop:

Oxides of carbon

Toxic pyrolysis products.

5.3 Advice for firefighters

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

Protective respirator with independent air supply.

Dispose of contaminated extinction water according to official regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure sufficient supply of air.

Avoid inhalation, and contact with eyes or skin.

If applicable, caution - risk of slipping

6.2 Environmental precautions

If leakage occurs, dam up.

Do not pour down the drain undiluted.



GB

Page 4 of 11
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revised on / Version: 19.01.2011 / 0010
 Replaces revision of / Version: 20.09.2010 / 0009
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 AUTOSOL® Edel-Chromglanz / Metal Polish

Prevent surface and ground-water infiltration, as well as ground penetration.
6.3 Methods and material for containment and cleaning up

Pick up mechanically and dispose of according to Section 13.

6.4 Reference to other sections

For personal protective equipment see Section 8 and for disposal instructions see Section 13.

SECTION 7: Handling and storage

In addition to information given in this section, relevant information can also be found in section 8 and 6.1.

7.1 Precautions for safe handling

- 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.
- General hygiene measures for the handling of chemicals are applicable.
- Wash hands before breaks and at end of work.
- Keep away from food, drink and animal feedingstuffs.
- Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

7.2 Conditions for safe storage, including any incompatibilities

- Not to be stored in gangways or stair wells.
- Store product closed and only in original packing.
- Suitable container:
- Aluminium
- Sheet metal
- Store at room temperature.

7.3 Specific end use(s)

No information available at present.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

GB	Chemical Name	Kerosine (petroleum)	Content %:10- <50
	WEL-TWA: 500 mg/m3, 100 mg/m3 (AGW)	WEL-STEL: 2(II) (AGW)	---
	BMGV: ---	Other information: ---	
GB	Chemical Name	Aluminium oxide	Content %:
	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-terme 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 Appropriate engineering controls



GB

Page 5 of 11
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
Revised on / Version: 19.01.2011 / 0010
Replaces revision of / Version: 20.09.2010 / 0009
Valid from: 19.01.2011
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AUTOSOL® Edel-Chromglanz / Metal Polish

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.

8.2.2 Individual protection measures, such as personal protective equipment

General hygiene measures for the handling of chemicals are applicable.

Wash hands before breaks and at end of work.

Keep away from food, drink and animal feedingstuffs.

Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

Eye/face protection: Normally not necessary.
With danger of contact with eyes.
Tight fitting protective goggles with side protection (EN 166).

Skin protection - Hand protection:
Recommended
Protective nitrile gloves (EN 374)
Protective hand cream recommended.

Skin protection - Other: Protective working garments (e.g. safety shoes EN ISO 20345, long-sleeved protective working garments)

Respiratory protection: Normally not necessary.
If OES or MEL is exceeded.
Filter A2 P2 (EN 14387), code colour brown, white
Observe wearing time limitations for respiratory protection equipment.

Thermal hazards:
If applicable, these are included in the individual protective measures (eye/face protection, skin protection, respiratory protection).

Additional information on hand protection - No tests have been performed.
In the case of mixtures, the selection has been made according to the knowledge available and the information about the contents.
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 mixtures, the resistance of glove materials cannot be predicted and must therefore be tested before use.
The exact breakthrough time of the glove material can be requested from the protective glove manufacturer and must be observed.

8.2.3 Environmental exposure controls

No information available at present.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state:	Paste
Colour:	White
Odour:	Ammonia
Odour threshold:	Not determined
pH-value:	9,5 (n.a.)
Melting point/freezing point:	Not determined
Initial boiling point and boiling range:	>=100 °C
Flash point:	>100 °C
Evaporation rate:	Not determined



(GB)

Page 6 of 11
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
Revised on / Version: 19.01.2011 / 0010
Replaces revision of / Version: 20.09.2010 / 0009
Valid from: 19.01.2011
PDF print date: 03.02.2011
AUTOSOL® Edel-Chromglanz / Metal Polish

Flammability (solid, gas):	Not determined
Lower explosive limit:	Not determined
Upper explosive limit:	Not determined
Vapour pressure:	Not determined
Vapour density (air = 1):	Not determined
Density:	1,26 g/ml
Bulk density:	Not determined
Solubility(ies):	Not determined
Water solubility:	0,1 g/l
Partition coefficient (n-octanol/water):	Not determined
Auto-ignition temperature:	Not determined
Decomposition temperature:	Not determined
Viscosity:	1500-2000 mPas (20°C, DIN 53211)
Viscosity:	>7 mm ² /s (40°C)
Explosive properties:	Product is not explosive.
Oxidising properties:	No
9.2 Other information	
Miscibility:	Not determined
Fat solubility / solvent:	Not determined
Conductivity:	Not determined
Surface tension:	Not determined
Solvents content:	Not determined

SECTION 10: Stability and reactivity

10.1 Reactivity

See also Subsection 10.4 to 10.6.
The product has not been tested.

10.2 Chemical stability

See also Subsection 10.4 to 10.6.
Stable with proper storage and handling.

10.3 Possibility of hazardous reactions

See also Subsection 10.4 to 10.6.
No decomposition if used as intended.

10.4 Conditions to avoid

See also section 7.

10.5 Incompatible materials

See also section 7.
No dangerous reactions are known.

10.6 Hazardous decomposition products

See also Subsection 10.4 to 10.6.
See also section 5.3
No decomposition when used as directed.

SECTION 11: Toxicological information

Classification according to calculation procedure.

AUTOSOL® Edel-Chromglanz / Metal Polish

Toxicity/effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:				---		n.d.a.



GB

Page 7 of 11
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revised on / Version: 19.01.2011 / 0010
 Replaces revision of / Version: 20.09.2010 / 0009
 Valid from: 19.01.2011
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 AUTOSOL® Edel-Chromglanz / Metal Polish

Acute toxicity, by dermal route:				---		n.d.a.
Acute toxicity, by inhalation:				---		n.d.a.
Skin corrosion/irritation:				---		n.d.a.
Serious eye damage/irritation:				---		n.d.a.
Respiratory or skin sensitisation:				---		n.d.a.
Germ cell mutagenicity:				---		n.d.a.
Carcinogenicity:				---		n.d.a.
Reproductive toxicity:				---		n.d.a.
Specific target organ toxicity - single exposure (STOT-SE):				---		n.d.a.
Specific target organ toxicity - repeated exposure (STOT-RE):				---		n.d.a.
Aspiration hazard:				---		n.d.a.
Respiratory tract irritation:				---		n.d.a.
Repeated dose toxicity:				---		n.d.a.
Symptoms:				---		n.d.a.

Kerosine (petroleum)						
Toxicity/effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	>2000	mg/kg	Rat		
Acute toxicity, by dermal route:				---		n.d.a.
Acute toxicity, by inhalation:				---		n.d.a.
Skin corrosion/irritation:				---		Not irritant
Serious eye damage/irritation:				---		Not irritant
Respiratory or skin sensitisation:				---		Not sensitizing
Germ cell mutagenicity:				---		n.d.a.
Carcinogenicity:				---		n.d.a.
Reproductive toxicity:				---		n.d.a.
Specific target organ toxicity - single exposure (STOT-SE):				---		n.d.a.
Specific target organ toxicity - repeated exposure (STOT-RE):				---		n.d.a.
Aspiration hazard:				---		n.d.a.
Respiratory tract irritation:				---		n.d.a.
Repeated dose toxicity:				---		n.d.a.
Symptoms:				---		respiratory distress, blood in urine (haematuria), diarrhoea, vomiting, fever, blisters, heart/circulatory disorders, mucous membrane irritation, dizziness

Castor oil, sulfated, sodium salt



GB

Page 8 of 11
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revised on / Version: 19.01.2011 / 0010
 Replaces revision of / Version: 20.09.2010 / 0009
 Valid from: 19.01.2011
 PDF print date: 03.02.2011
 AUTOSOL® Edel-Chromglanz / Metal Polish

Toxicity/effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:				---		n.d.a.
Acute toxicity, by dermal route:				---		n.d.a.
Acute toxicity, by inhalation:				---		n.d.a.
Skin corrosion/irritation:				---		n.d.a.
Serious eye damage/irritation:				---		n.d.a.
Respiratory or skin sensitisation:				---		n.d.a.
Germ cell mutagenicity:				---		n.d.a.
Carcinogenicity:				---		n.d.a.
Reproductive toxicity:				---		n.d.a.
Specific target organ toxicity - single exposure (STOT-SE):				---		n.d.a.
Specific target organ toxicity - repeated exposure (STOT-RE):				---		n.d.a.
Aspiration hazard:				---		n.d.a.
Respiratory tract irritation:				---		n.d.a.
Repeated dose toxicity:				---		n.d.a.
Symptoms:				---		n.d.a.

Aluminium oxide						
Toxicity/effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	>5000	mg/kg	Rat		
Acute toxicity, by dermal route:				---		n.d.a.
Acute toxicity, by inhalation:				---		n.d.a.
Skin corrosion/irritation:				---		n.d.a.
Serious eye damage/irritation:				---		n.d.a.
Respiratory or skin sensitisation:				---		n.d.a.
Germ cell mutagenicity:				---		n.d.a.
Carcinogenicity:				---		n.d.a.
Reproductive toxicity:				---		n.d.a.
Specific target organ toxicity - single exposure (STOT-SE):				---		n.d.a.
Specific target organ toxicity - repeated exposure (STOT-RE):				---		n.d.a.
Aspiration hazard:				---		n.d.a.
Respiratory tract irritation:				---		n.d.a.
Repeated dose toxicity:				---		n.d.a.
Symptoms:				---		constipation

SECTION 12: Ecological information

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



(GB)

Page 9 of 11
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
Revised on / Version: 19.01.2011 / 0010
Replaces revision of / Version: 20.09.2010 / 0009
Valid from: 19.01.2011
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AUTOSOL® Edel-Chromglanz / Metal Polish

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.
According to the recipe, contains no AOX.

AUTOSOL® Edel-Chromglanz / Metal Polish

Toxicity/effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
Toxicity to fish:							n.d.a.
Toxicity to daphnia:							n.d.a.
Toxicity to algae:							n.d.a.
Persistence and degradability:							n.d.a.
Bioaccumulative potential:							n.d.a.
Mobility in soil:							n.d.a.
Results of PBT and vPvB assessment							n.d.a.
Other adverse effects:							n.d.a.

Kerosine (petroleum)

Toxicity/effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
Toxicity to fish:							n.d.a.
Toxicity to daphnia:							n.d.a.
Toxicity to algae:							n.d.a.
Persistence and degradability:							n.d.a.
Bioaccumulative potential:							n.d.a.
Mobility in soil:							n.d.a.
Results of PBT and vPvB assessment							n.d.a.
Other adverse effects:							n.d.a.
Water solubility:							Insoluble

Castor oil, sulfated, sodium salt

Toxicity/effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
Toxicity to fish:							n.d.a.
Toxicity to daphnia:							n.d.a.
Toxicity to algae:							n.d.a.
Persistence and degradability:							n.d.a.
Bioaccumulative potential:							n.d.a.
Mobility in soil:							n.d.a.
Results of PBT and vPvB assessment							n.d.a.
Other adverse effects:							n.d.a.

Aluminium oxide

Toxicity/effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
Toxicity to fish:							n.d.a.
Toxicity to daphnia:							n.d.a.
Toxicity to algae:							n.d.a.
Persistence and degradability:							n.d.a.
Bioaccumulative potential:							n.d.a.
Mobility in soil:							n.d.a.



(GB)

Page 10 of 11
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
Revised on / Version: 19.01.2011 / 0010
Replaces revision of / Version: 20.09.2010 / 0009
Valid from: 19.01.2011
PDF print date: 03.02.2011
AUTOSOL® Edel-Chromglanz / Metal Polish

Results of PBT and vPvB assessment							n.d.a.
Other adverse effects:							n.d.a.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

For the substance / mixture / residual amounts

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.

For contaminated packing material

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

SECTION 14: Transport information

General statements

UN number: n.a.

Transport by road/by rail (ADR/RID)

UN proper shipping name:

Transport hazard class(es): n.a.

Packing group: n.a.

Classification code: n.a.

LQ (ADR 2011): n.a.

LQ (ADR 2009): n.a.

Environmental hazards: Not applicable

Tunnel restriction code:

Transport by sea (IMDG-code)

UN proper shipping name:

Transport hazard class(es): n.a.

Packing group: n.a.

Marine Pollutant: n.a.

Environmental hazards: Not applicable

Transport by air (IATA)

UN proper shipping name:

Transport hazard class(es): n.a.

Packing group: n.a.

Environmental hazards: Not applicable

Special precautions for user

Unless specified otherwise, general measures for safe transport must be followed.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Non-dangerous material according to Transport Regulations.



GB

Page 11 of 11

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

Revised on / Version: 19.01.2011 / 0010

Replaces revision of / Version: 20.09.2010 / 0009

Valid from: 19.01.2011

PDF print date: 03.02.2011

AUTOSOL® Edel-Chromglanz / Metal Polish

Additional information:

Non-dangerous material according to Transport Regulations.

SECTION 15: Regulatory information

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

For classification and labelling see Section 2.

Observe restrictions:

n.a.

15.2 Chemical safety assessment

No information available at present.

SECTION 16: Other information

These details refer to the product as it is delivered.

Revised sections:

1 - 16

The following statements are the indicated R-phrases / H-phrases and classification codes (GHS/CLP) for the ingredients (listed in Section 3).

65 Harmful: may cause lung damage if swallowed.

66 Repeated exposure may cause skin dryness or cracking.

36 Irritating to eyes.

H304 May be fatal if swallowed and enters airways.

H319 Causes serious eye irritation.

Asp. Tox.-Aspiration hazard

Eye Irrit.-Eye irritation

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)

VOC = Volatile organic compounds

AOX = Adsorbable organic halogen compounds

ATE = Acute Toxicity Estimates according to Regulation (EC) 1272/2008 (CLP)

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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