

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

Clean polish

Use of the substance/preparation

Refer to description of material or preparation.
 Metal care

Company/undertaking identification

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Emergency telephone

Advisory office in case of poisoning:

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Telephone number of the company in case of emergencies:

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2. HAZARDS IDENTIFICATION

To people

See point 11 and 15.
 Preparation is classified as hazardous in the sense of directive 1999/45/EC.
 Product is flammable
 Harmful: may cause lung damage if swallowed.
 Irritation of the eyes

To the environment

See point 12.

REGULATION (EC) No 648/2004

30 % and more
 aliphatic hydrocarbons
 less than 5 %
 non-ionic surfactants

perfumes
 LIMONENE
 LINALOOL

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name			
content %	Symbol	R-phrases	EINECS, ELINCS
	Registration number (ECHA)		
2-(2-butoxyethoxy)ethanol			
1 -< 20	Xi	36	203-961-6

Chemical name			
content %	Symbol	R-phrases	EINECS, ELINCS

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	Registration number (ECHA)	
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Ethoxylated fatty alcohol			
1 -< 5	Xn/Xi/N	22-41-50	

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

Sweet orange extract			
10 - 20	Xn	10-65	232-433-8

For complete wording of the R-phrases / H-phrases (GHS/CLP), refer to point 16.

4. FIRST AID MEASURES

4.1 Inhalation

Remove person from danger area.
 Supply person with fresh air.
 If the person is unconscious, place in a stable side position and consult a doctor.

4.2 Skin contact

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

4.2 Eye contact

Wash thoroughly for several minutes using copious water.
 Consult medical specialist.

4.4 Ingestion

Rinse the mouth thoroughly with water.
 Give water to drink.
 Do not induce vomiting. Consult doctor immediately.

4.5 Special resources necessary for first aid

n.c.

5. FIRE-FIGHTING MEASURES

5.1 Suitable extinguishing media

CO2
 Water jet spray
 Foam
 Cool container at risk with water.

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
 Gases hazardous to health
 Toxic pyrolysis products.
 Explosive vapour/air mixture
 In case of spreading near the ground, flashback to distance sources of ignition is possible.

5.4 Special protective equipment for fire-fighters

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

Avoid contact with eyes.
 If applicable, caution - risk of slipping

Remove possible causes of ignition - do not smoke.

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), and dispose of according to point 13.
 Ensure sufficient ventilation.
 In case of spreading near the ground, flashback to distance sources of ignition is possible.

7. HANDLING AND STORAGE

7.1 Handling

Tips for safe handling:

See point 6.1
 Observe directions on label and instructions for use.
 Wash hands before breaks and at end of work.
 Eating, drinking, smoking, as well as food-storage, is prohibited in work-room.
 Keep away from sources of ignition - Do not smoke.
 Use working methods according to operating instructions.
 Take precautions against electrostatic charges.

7.2. Storage

Requirements for storage rooms and containers:

Not to be stored in gangways or stair wells.
 Store product closed and only in original packing.
 Observe special storage conditions (in Germany, e.g., in accordance with the regulations in the "Betriebssicherheitsverordnung").

Special storage conditions:

See point 10
 Store cool
 Protect from direct sunlight and warming.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Exposure limit values

Chemical Name	2-(2-butoxyethoxy)ethanol		Content %:1 -< 20
WEL-TWA:	10 ppm (67,5 mg/m3) (WEL, EC)	WEL-STEL:	15 ppm (101,2 mg/m3) (WEL, EC) ---
BMGV:	---	Other information: ---	

Chemical Name	Oil mist, mineral		Content %:
WEL-TWA:	5 mg/m3 (ACGIH)	WEL-STEL:	10 mg/m3 (ACGIH) ---
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-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 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.
 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.
 Respiratory protection:
 If OES or MEL is exceeded.
 Filter A2 P2 (EN 14387)

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Hand protection:

Protective gloves, oil resistant (EN 374)
 Preventative skin protection advisable.

Eye protection:

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

Skin protection:

Recommended

Protective working garments (e.g. safety shoes EN ISO 20345,
 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**9.1 General information**

Physical state:	Liquid
Colour:	Colourless
Odour:	Characteristic

9.2. Important health, safety and environmental information

pH-value undiluted:	Not detected
Boiling point/boiling range (°C):	> 100
Melting point/melting range (°C):	Not detected
Flash point (°C):	40
Autoflammability:	No
Minimum limit of explosion:	Not detected
Maximum limit of explosion:	Not detected
Possible build up of explosive/highly flammable vapour/air mixture.	
Density (g/ml):	Not detected
Water solubility:	Insoluble
Viscosity:	< 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

Avoid contact with other chemicals.

Hazardous decomposition products

See point 5.3

11. TOXICOLOGICAL INFORMATION**Acute toxicity and immediate effects**

Ingestion, LD50 rat oral (mg/kg):	n.d.a., See point 15.
Inhalation, LC50 rat inhal.(mg/l/4h):	n.av.
Skin contact, LD50 rat dermal (mg/kg):	n.av.
Eye contact:	Irritant

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.

12. ECOLOGICAL INFORMATION

Persistence and degradability: > 70% OECD 302B *
 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.
 Behaviour in sewage plants: Problems not expected when used correctly.
 Aquatic toxicity: Not detected
 Ecological toxicity: Not detected
 * 2-(2-butoxyethoxy)ethanol
 Mobility: n.av.
 Accumulation: n.av.
 Results of PBT assessment
 n.av.
 Other adverse effects: n.av.

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)
 20 01 29 detergents containing dangerous substances
 07 01 04 other organic solvents, washing liquids and mother liquors
 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
 Uncontaminated packaging can be recycled.
 Dispose of packaging that cannot be cleaned in the same manner as the substance.

14. TRANSPORT INFORMATION

General statements

UN-Number: 1993
Road/Rail-transport (ADR/RID)
 Class/packing group: 3/III 
 UN 1993 FLAMMABLE LIQUID, N.O.S. (ORANGE, SWEET, EXTRACT) (SPECIAL PROVISION 640E)
 Classification code: F1
 LQ: 7
 Tunnel restriction code: D/E

Transport by sea

IMDG-code: 3/III (class/packing group)
 EmS: F-E, S-E 
 Marine Pollutant: n.a.
 FLAMMABLE LIQUID, N.O.S (ORANGE, SWEET, EXTRACT)

Additional information:

Minimum amount regulations have not been taken into account.

Danger code and packing code on request.

15. REGULATORY INFORMATION

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



Symbols: Xn

Indications of danger:

Harmful

R-phrases:

10 Flammable.

36 Irritating to eyes.

65 Harmful: may cause lung damage if swallowed.

S-phrases:

(2) Keep out of the reach of children.

24 Avoid contact with skin.

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

35 This material and its container must be disposed of in a safe way.

62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

Additions:

Observe restrictions: Yes

Regulation (EC) No 1907/2006, Annex XVII.

Observe youth employment law (German regulation).

16. OTHER INFORMATION

These details refer to the product as it is delivered.

Storage class VCI (Germany): 10 - 13

Revised points: 9

The following phrases represent the prescribed R-phrases / H-phrases (GHS/CLP) for the ingredients (designated in point 3).

36 Irritating to eyes.

22 Harmful if swallowed.

41 Risk of serious damage to eyes.

50 Very toxic to aquatic organisms.

10 Flammable.

65 Harmful: may cause lung damage if swallowed.

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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