

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

Restroclean

Use of the substance/preparation

Basic cleaner

Company/undertaking identification

Otto Oehme GmbH, Industriestr. 20, D -90584 Allersberg
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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)9176/9805-0

2. HAZARDS IDENTIFICATION

To people

See point 11 and 15.
 Preparation is classified as hazardous in the sense of directive 1999/45/EC.
 Risk of serious damage to eyes.
 Irritation of the skin.

To the environment

See point 12.
 High pH-value can be harmful to water.

REGULATION (EC) No 648/2004

5 % or over but less than 15 %
 anionic surfactants
 less than 5 %
 non-ionic surfactants

3. COMPOSITION/INFORMATION ON INGREDIENTS

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

Sodium alkylbenzene sulfonate			
10 -< 20	Xn/Xi	22-38-41	270-115-0

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

2-(2-butoxyethoxy)ethanol			
1 - 10	Xi	36	203-961-6

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

Ethoxylated isotridecanol			
1 - 10	Xn/Xi	22-41	

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

Disodium metasilicate			
1 - 5	C/Xi	34-37	229-912-9

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

4. FIRST AID MEASURES

4.1 Inhalation

Supply person with fresh air.
 Remove person from danger area.
 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 - call doctor immediately, have Data Sheet available.
 Consult medical specialist.

4.4 Ingestion

Rinse the mouth thoroughly with water.
 Do not induce vomiting. Consult doctor immediately.
 Keep Data Sheet available.

4.5 Special resources necessary for first aid

n.c.
 There should be an eyewash station and safety shower located near the area of use.

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
 Toxic pyrolysis products.
 Corrosive vapours

5.4 Special protective equipment for fire-fighters

Protective respirator with independent air supply.
 According to size of fire
 Full protection

5.5 Further information

Dispose of contaminated extinction water according to official regulations.
 In case of fire and/or explosion do not breathe fumes.

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

6.2 Environmental precautions

Prevent from entering drainage system.
 If leakage occurs, dam up.
 Prevent surface and ground-water infiltration, as well as ground penetration.

6.3 Methods for cleaning up

Collect using absorbant material (e.g. Universal binding medium), 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.
 Eating, drinking, smoking, as well as food-storage, is prohibited in work-room.
 Observe directions on label and instructions for use.
 Use working methods according to operating instructions.
 Wash hands before breaks and at end of work.

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.
 Store separately from acids.
 Do not use alkali sensitive materials.

Special storage conditions:

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

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Exposure limit values

Chemical Name	2-(2-butoxyethoxy)ethanol		Content %:1 - 10
WEL-TWA: 10 ppm (67,5 mg/m3) (WEL, EC)	WEL-STEL: 15 ppm (101,2 mg/m3) (WEL, EC)	---	
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.
 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: Normally not necessary.
 If OES or MEL is exceeded.
 Filter A2 (EN 14387)
 Hand protection: Recommended
 With short-term contact:

Use alkali resistant protective gloves (EN 374).
 Protective hand cream recommended.
 Eye protection:

Tight fitting protective goggles (EN 166) with side protection,
 with danger of projections.

According to operation.
 Face protection (EN 166)
 Skin protection:

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: Light yellow
 Odour: Characteristic

9.2. Important health, safety and environmental information

pH-value undiluted: 12 - 13
 Boiling point/boiling range (°C): Not specified
 Melting point/melting range (°C): Not detected
 Flash point (°C): n.a.
 Autoflammability: No
 Minimum limit of explosion: n.a.
 Maximum limit of explosion: n.a.
 Product is not explosive.
 Density (g/ml): Not detected
 Water solubility: Mixable

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.
 Avoid contact with strong acids (exothermic reaction possible).
 Avoid contact with alkali sensitive materials.

Hazardous decomposition products

See point 5.3

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: Risk of serious damage to eyes.

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:

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.

Neutralisation possible.

Behaviour in sewage plants: Problems not expected when used correctly.

Aquatic toxicity: Note pH value.

Ecological toxicity: n.av.

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)

07 06 01 aqueous washing liquids and mother liquors

20 01 29 detergents 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

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: 3253

Road/Rail-transport (ADR/RID)

Class/packing group: 8/III



UN 3253 DISODIUM TRIOXOSILICATE MIXTURE

Classification code: C6

LQ: 24

Tunnel restriction code: E

Transport by sea

IMDG-code: 8/III (class/packing group)

EmS: F-A, S-B



Marine Pollutant: n.a

DISODIUM TRIOXOSILICATE, MIXTURE

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: Xi

Indications of danger:

Irritant

R-phrases:

41 Risk of serious damage to eyes.

38 Irritating to skin.

S-phrases:

(2) Keep out of the reach of children.

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.

36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

(46) If swallowed, seek medical advice immediately and show this container or label.

Additions: n.a.

Observe restrictions:

Yes

Observe youth employment law (German regulation).

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

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).

22 Harmful if swallowed.

38 Irritating to skin.

41 Risk of serious damage to eyes.

36 Irritating to eyes.

34 Causes burns.

37 Irritating to respiratory system.

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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