

Safety data sheet

according to Regulation (EC) No 1907/2006



HAMMER

Compilation date: 18.10.2017
Revision date: 08.12.2017

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

1.1 Product identifier

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1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture

Basic cleaner for professional users

1.3 Details of the supplier of the safety data sheet

Company name: Arcora International GmbH
Street: Marsstraße 9
Place: 85609 Aschheim by Munich
Germany
Tel: +49 (0)89 / 14 33 29 3-0
Fax: +49 (0)89 / 14 33 29 3-29
E-Mail: info@arcora.de

1.4 Emergency telephone number + 49 (0) 89 / 14 33 29 3-10

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification under (EG) Nr. 1272/2008 [CLP]

Hazard categories:
Skin Corr. 1B: H314
Hazard statements:
Causes severe skin burns and eye damage.

2.2 Label elements

Hazard components for labelling:

potassium hydroxide

Signal word: Corrosion

Pictograms: GHS05



Hazard statements

H314 Causes severe skin burns and eye damage.

Precautionary statements

P102 Keep out of reach of children.
P280 Wear protective gloves/eye protection.

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P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P303+361+353 IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water/shower.
P301+330+331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P310 Immediately call a POISON CENTER or doctor.

2.3 Other hazards

This substance is not identified as a PBT substance.

SECTION 3: Composition/information on ingredients

3.1 Mixtures

Hazardous ingredients

EINECS	Chemical name	Quantity
CAS-No.		
Index-No.	Classification according to Regulation (EC) No. 1272/2008 [CLP]	
REACH-No.		
203-905-0	2-butoxy-ethanol	5 - 20 %
111-76-2		
	Acute Tox. 4: H332; Acute Tox. 4: H312; Acute Tox. 4: H302; Eye Irrit. 2: H319; Skin Irrit. 2: H315	
215-181-3	Potassium hydroxide	1 - 5 %
1310-58-3		
	Acute Tox. 4: H302; Skin Corr. 1A: H314	
248-983-7	Natriumcumosulfonat	1 - 5 %
28348-53-0		
	Eye Irrit. 2: H319	
-	Fatty Alcohol Ethoxylate	1 - 5 %
68439-50-9		
	Acute Tox. 4: H302; Eye Dam. 1: H318	

Full text of H and EUH statements: see section 16.

Labelling for contents according to Regulation (EC) No 648/2004

< 5 % non-ionic surfactants, anionic surfactants, contains fragrances.

SECTION 4: First aid measures

4.1 Description of first aid measures

After inhalation

Provide fresh air. In case of respiratory tract irritation, consult a physician.

After skin contact

Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Transfer to hospital if there are burns or symptoms of poisoning.

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After eye contact

Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.

After ingestion

Rinse mouth immediately and drink plenty of water. Do not induce vomiting. Consult a doctor.

4.2 Most important symptoms and effects, both acute and delayed

Skin contact

Blistering may occur. Progressive ulceration will occur if treatment is not immediate.

Eye contact

Corneal burns may occur. May cause permanent damage.

Ingestion

Corrosive burns may appear around the lips. Nausea and stomach pain may occur.

4.3 Indication of any immediate medical attention and special treatment needed

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

Water spray.
Suitable extinguishing media for the surrounding fire should be used.

5.2 Special hazards arising from the substance or mixture

Exposure hazards

Corrosive.

5.3 Advice for fire-fighters

Special protective equipment

Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Refer to section 8 of SDS for personal protection details. Keep unprotected people away and stay on the upwind side. Provide adequate ventilation.

6.2 Environmental precautions

Do not discharge into drains or rivers. Contain the spillage using bunding. In case of entry into waterways, soil or drains, inform the responsible authorities.

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6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Wash with plenty of water. Refer to section 13 of SDS for suitable method of disposal.

6.4 Reference to other sections

Refer to section 8 of SDS.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Handling requirements

Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area.

7.2 Conditions for safe storage, including any incompatibilities

Store in cool, well ventilated area. Keep container tightly closed. Keep away from food, drink and animal feedingstuffs:

Storage class: 8B (Non-combustible corrosive substances)

Suitable packaging

Must only be kept in original packaging. Do not use aluminium containers.

7.3 Specific end use(s)

GISCODE: GG90

Section 8: Exposure controls/personal protection

8.1. Control parameters

Hazardous ingredients: 2-BUTOXY-ETHANOL

Exposure limits

Respirable dust

	8 h AGW	Peaks	8h AGW	Peaks
DE	20 ppm	80 ppm		

8.2 Exposure controls

Engineering measures

Ensure there is sufficient ventilation of the area.

Respiratory protection

Respiratory protection not required.

Hand protection

Protective gloves. Suitable material: NR (natural rubber), CR (polychloroprene) or NBR (nitrile rubber), category III according to EN 374. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. Breakthrough time (maximal wear duration): Wear duration with occasional contact, splashes (Level 2: < 30 min): Disposable-gloves, Thickness of the material 0,1mm. Wear duration

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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

CAS-No.	Chemical name				
	Route of exposure	Method	Dose	Species	Source
	Fatty alcohol ethoxylate				
	oral	LD50	> 200 - ≤ 2000 mg/kg	Rat	
	potassium hydroxide				
	oral	LD50	273 mg/kg	Rat	
	2-Butoxyethanol				
	oral	LD50	1480 mg/kg	Rat	

Symptoms / routes of exposure

Skin contact

Blistering may occur. Progressive ulceration will occur if treatment is not immediate.

Eye contact

Corneal burns may occur. May cause permanent damage.

Ingestion

Corrosive burns may appear around the lips. Nausea and stomach pain may occur.

SECTION 12: Ecological information

12.1. Toxicity

Eco toxicity

CAS-No.	Chemical name					
	Aquatic toxicity	Method	Dose	[h] [d]	Species	Source
	Fatty alcohol alkoxyate					
	Acute fish toxicity	LC50	> 1 - ≤ 10 mg/l			
	Bacteria toxicity	EC0	> 10 - ≤ 100			
	2-Butoxy-Ethanol					
	Acute fish toxicity	LC50	1490 mg/l	96 h	Lepomis macrochirus	
	Acute crustacea toxicity	EC50	1750 mg/l	24 h	Daphnia magna	

12.2. Persistence and degradability

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

12.3. Bioaccumulative potential

No data available.

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12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This substance is not identified as a PBT substance.

12.6. Other adverse effects

The product has not been tested. Data apply to the components with the highest toxicological risk.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Disposal operations

Dispose of waste according to applicable local, state and federal regulations.

Waste code number

200129 Detergents containing dangerous substances.

Disposal of packaging

May be reused following decontamination.

Note

The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

SECTION 14: Transport information

14.1 UN-number UN1814

14.2 UN proper shipping name

POTASSIUM HYDROXIDE SOLUTION

14.3 Transport hazard class(es)

Transport class: 8

14.4 Packing group

Packing group: II

14.5 Environmental hazards

Environmentally hazardous no
Marine pollutant: no

14.6 Special precautions for user

Special precautions: No special precautions.
Tunnel code: E
Transport category: 2

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SECTION 15: Regulatory information

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

National regulatory information

Water contaminating class (D): 1 - water contaminating

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

SECTION 16: Other information

Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

Process categories according to ECHA guidance on information requirements and chemical safety assessment, chapter R.12:

PROC 1: Use in closed processes.

PROC 8 Dilution of concentrated products, application of drain cleaners, dosage of textile washing agents.

PROC 10 (Roller application or brushing): Processing without large-scale spraying.

PROC 11 (Spraying outside industrial settings): Processing with large-scale spraying (e. g. high pressure cleaning, foam gun).

PROC 19 (Hand-mixing with intimate contact): Hand cleaning and disinfection.

Relevant H and EUH statements (number and full text)

H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.

Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.