

Safety Data Sheet

according to Regulation (EC) No 1907/2006

HAMMER

Print date: 04.03.2022

Revision date: 04.03.2022

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

1.1. Product identifier

HAMMER

UFI:

P9H6-4YPG-7X83-5CPG

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

1.3. Details of the supplier of the safety data sheet

Company name: ARCORA International GmbH

Street: Marsstraße 9

Place: D-85609 Aschheim

Telephone: +49 (0)89 / 14 33 29 3-0

Telefax: +49 (0)89 / 14 33 29 3-29

e-mail: info@arcora.de

1.4. Emergency telephone number:

Giftnotruf der Charité - Universitätsmedizin Berlin -24H- Tel.: 030 30686700

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008

Hazard categories:

Skin corrosion/irritation: Skin Corr. 1

Serious eye damage/eye irritation: Eye Dam. 1

Hazard Statements:

Causes severe skin burns and eye damage.

Causes serious eye damage.

2.2. Label elements

Regulation (EC) No. 1272/2008

Hazard components for labelling

2-Butoxy-ethanol (vgl. Butylglykol)

Natrium-p-cumolsulfonat

Kalium-p-cumolsulfonat

Signal word: Danger

Pictograms:



Hazard statements

H314 Causes severe skin burns and eye damage.

Precautionary statements

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P264 Wash mit Wasser thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

P363 Wash contaminated clothing before reuse.

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P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P310	Immediately call a POISON CENTER/doctor.
P321	Specific treatment (see Hinweis on this label).
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER/doctor.
P405	Store locked up.
P501	Dispose of contents/container to gemäß behördlichen Vorschriften der Entsorgung.

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
111-76-2	2-Butoxy-ethanol (vgl. Butylglykol)			5 - < 10 %
	203-905-0		01-2119475108-36	
	Acute Tox. 4, Acute Tox. 4, Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2; H332 H312 H302 H315 H319			
15763-76-5	Natrium-p-cumolsulfonat			1 - < 5 %
	Eye Irrit. 2; H319			
164524-02-1	Kalium-p-cumolsulfonat			1 - < 5 %
	629-764-9			
	Eye Irrit. 2; H319			
1336-21-6	Ammoniak; Ammoniaklösung 25 %			< 1 %
	215-647-6			
	Skin Corr. 1B, Eye Dam. 1, Aquatic Acute 1; H314 H318 H400			

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

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
	Specific Conc. Limits, M-factors and ATE		
111-76-2	203-905-0	2-Butoxy-ethanol (vgl. Butylglykol)	5 - < 10 %
	inhalation: ATE = 11 mg/l (vapours); inhalation: ATE = 1,5 mg/l (dusts or mists); dermal: LD50 = 1200 mg/kg; oral: LD50 = 1480 mg/kg		
15763-76-5		Natrium-p-cumolsulfonat	1 - < 5 %
	inhalation: Data lacking (gases); dermal: LD50 = > 2000 mg/kg; oral: LD50 = > 2000 mg/kg		
164524-02-1	629-764-9	Kalium-p-cumolsulfonat	1 - < 5 %
	inhalation: Data lacking (gases); dermal: LD50 = > 2000 mg/kg; oral: LD50 = > 2000 mg/kg		

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

< 5 % phosphates, < 5 % non-ionic surfactants.

SECTION 4: First aid measures

4.1. Description of first aid measures

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General information

First aider: Pay attention to self-protection! Remove affected person from the danger area and lay down.

After inhalation

Provide fresh air. Medical treatment necessary.

After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention.

After contact with eyes

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

After ingestion

Rinse mouth immediately and drink 1 glass of water. Do NOT induce vomiting. Adverse human health effects and symptoms: Gastric perforation. Call a physician immediately. Do not allow a neutralisation agent to be drunk.

4.2. Most important symptoms and effects, both acute and delayed

No information available.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Co-ordinate fire-fighting measures to the fire surroundings.

5.2. Special hazards arising from the substance or mixture

Non-flammable.

5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing. Full protection suit.

Additional information

Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice

Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

Other information

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.

Advice on protection against fire and explosion

No special fire protection measures are necessary.

Advice on general occupational hygiene

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat, drink, smoke, sniff.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed. Keep locked up. Store in a place accessible by authorized persons only. Provide adequate ventilation as well as local exhaustion at critical locations.

Hints on joint storage

No special measures are necessary.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit values

CAS No	Name of agent	ppm	mg/m ³	fib/cm ³	Category	Origin
111-76-2	2-Butoxyethanol	20	98		TWA (8 h)	
		50	246		STEL (15 min)	
7664-41-7	Ammonia anhydrous	20	14		TWA (8 h)	
		50	36		STEL (15 min)	

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DNEL/DMEL values

CAS No	Name of agent			
DNEL type		Exposure route	Effect	Value
111-76-2	2-Butoxy-ethanol (vgl. Butylglykol)			
Consumer DNEL, long-term		oral	systemic	6,3 mg/kg bw/day
Consumer DNEL, acute		oral	systemic	26,7 mg/kg bw/day
Consumer DNEL, acute		dermal	systemic	89 mg/kg bw/day
Worker DNEL, acute		dermal	systemic	89 mg/kg bw/day
Consumer DNEL, long-term		dermal	systemic	75 mg/kg bw/day
Worker DNEL, long-term		dermal	systemic	125 mg/kg bw/day
Consumer DNEL, acute		inhalation	systemic	426 mg/m ³
Worker DNEL, acute		inhalation	systemic	1091 mg/m ³
Consumer DNEL, long-term		inhalation	systemic	59 mg/m ³
Worker DNEL, long-term		inhalation	systemic	98 mg/m ³
Worker DNEL, acute		inhalation	local	246 mg/m ³
Consumer DNEL, long-term		inhalation	local	147 mg/m ³
15763-76-5	Natrium-p-cumolsulfonat			
Consumer DNEL, long-term		oral	systemic	3,8 mg/kg bw/day
Worker DNEL, long-term		dermal	systemic	136,25 mg/kg bw/day
Consumer DNEL, long-term		dermal	systemic	68,1 mg/kg bw/day
Worker DNEL, long-term		dermal	local	0,096 mg/cm ²
Consumer DNEL, long-term		dermal	local	0,048 mg/cm ²
Worker DNEL, long-term		inhalation	systemic	26,9 mg/m ³
Consumer DNEL, long-term		inhalation	systemic	6,6 mg/m ³
164524-02-1	Kalium-p-cumolsulfonat			
Consumer DNEL, long-term		oral	systemic	3,8 mg/kg bw/day
Worker DNEL, long-term		dermal	systemic	136,25 mg/kg bw/day
Consumer DNEL, long-term		dermal	systemic	68,1 mg/kg bw/day
Worker DNEL, long-term		dermal	local	0,096 mg/cm ²
Consumer DNEL, long-term		dermal	local	0,048 mg/cm ²
Worker DNEL, long-term		inhalation	systemic	26,9 mg/m ³

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PNEC values

CAS No	Name of agent	
Environmental compartment		Value
111-76-2	2-Butoxy-ethanol (vgl. Butylglykol)	
Freshwater		8,8 mg/l
Freshwater (intermittent releases)		9,1 mg/l
Marine water		0,88 mg/l
Freshwater sediment		34,6 mg/kg
Marine sediment		3,46 mg/kg
Micro-organisms in sewage treatment plants (STP)		463 mg/l
Soil		2,33 mg/kg
15763-76-5	Natrium-p-cumolsulfonat	
Freshwater		0,23 mg/l
Marine water		0,023 mg/l
Freshwater sediment		0,862 mg/kg
Marine sediment		0,086 mg/kg
Micro-organisms in sewage treatment plants (STP)		100 mg/l
Soil		0,037 mg/l
164524-02-1	Kalium-p-cumolsulfonat	
Freshwater		0,23 mg/l
Marine water		0,023 mg/l
Freshwater sediment		0,862 mg/kg
Marine sediment		0,086 mg/kg
Micro-organisms in sewage treatment plants (STP)		100 mg/l
Soil		0,037 mg/kg

8.2. Exposure controls



Appropriate engineering controls

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.

Individual protection measures, such as personal protective equipment

Eye/face protection

Suitable eye protection: goggles.

Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. 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. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

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Skin protection

Use of protective clothing.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	yellow-green
Odour:	characteristic

Changes in the physical state

Melting point/freezing point:	not determined
Boiling point or initial boiling point and boiling range:	not determined

Flammability

Solid/liquid:	not applicable
Gas:	not applicable

Explosive properties

The product is not: Explosive.

Lower explosion limits:	not determined
Upper explosion limits:	not determined

Self-ignition temperature

Solid:	not applicable
Gas:	not applicable

Decomposition temperature:	not determined
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Oxidizing properties

Not oxidising.

pH-Value (at 20 °C):	12
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Water solubility:	easily soluble
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Solubility in other solvents

not determined

Partition coefficient n-octanol/water:	not determined
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Vapour pressure:	not determined
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Density (at 20 °C):	1,05 g/cm ³
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Relative vapour density:	not determined
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9.2. Other information

Other safety characteristics

Solid content:	not determined
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Evaporation rate:	not determined
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Further Information

SECTION 10: Stability and reactivity

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10.1. Reactivity

Possibility of hazardous reactions.

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

Exothermic reaction with: Acid, Peroxides, Oxidizing agent.

10.4. Conditions to avoid

none

10.5. Incompatible materials

Keep away from: Acid, Oxidizing agent, Peroxides.

10.6. Hazardous decomposition products

No known hazardous decomposition products.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
111-76-2	2-Butoxy-ethanol (vgl. Butylglykol)				
	oral	LD50 mg/kg	1480	Rat	
	dermal	LD50 mg/kg	1200	Kaninchen	
	inhalation vapour	ATE	11 mg/l		
	inhalation aerosol	ATE	1,5 mg/l		
15763-76-5	Natrium-p-cumolsulfonat				
	oral	LD50 mg/kg	> 2000	Ratte	
	dermal	LD50 mg/kg	> 2000	Kaninchen	
	inhalation	Data lacking			
164524-02-1	Kalium-p-cumolsulfonat				
	oral	LD50 mg/kg	> 2000	Ratte	
	dermal	LD50 mg/kg	> 2000	Kaninchen	
	inhalation	Data lacking			

Additional information on tests

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

SECTION 12: Ecological information

12.1. Toxicity

The product is not: Ecotoxic.

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CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
111-76-2	2-Butoxy-ethanol (vgl. Butylglykol)					
	Acute fish toxicity	LC50 1474 mg/l	96 h	RegenbogenForelle		
	Acute crustacea toxicity	EC50 1550 mg/l	48 h	Wasserfloh		
	Fish toxicity	NOEC >100 mg/l	21 d	Zebrabärbling		
15763-76-5	Natrium-p-cumolsulfonat					
	Acute fish toxicity	LC50 > 100 mg/l	96 h	Oncorhynchus mykiss)		
	Acute algae toxicity	ErC50 > 100 mg/l	72 h	Desmodesmus subspicatus		
	Acute crustacea toxicity	EC50 > 100 mg/l	48 h	Daphnia magna		
164524-02-1	Kalium-p-cumolsulfonat					
	Acute fish toxicity	LC50 > 100 mg/l	96 h	Cyprinus carpio)		
	Acute algae toxicity	ErC50 > 100 mg/l	72 h	Desmodesmus subspicatus		
	Acute crustacea toxicity	EC50 > 100 mg/l	48 h	Daphnia magna		
	Acute bacteria toxicity	(> 100 mg/l)	3 h	Belebtschlamm		OECD 209
1336-21-6	Ammoniak; Ammoniaklösung 25 %					
	Acute fish toxicity	LC50 0,53 mg/l	96 h	Onchorhynchus mykiss		
	Fish toxicity	NOEC 1,2 mg/l	61 d	Oncorhynchus gorbuscha		

12.2. Persistence and degradability

The product has not been tested.

12.3. Bioaccumulative potential

The product has not been tested.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
111-76-2	2-Butoxy-ethanol (vgl. Butylglykol)	0,81 (25°C)
1336-21-6	Ammoniak; Ammoniaklösung 25 %	-1,38

12.4. Mobility in soil

The product has not been tested.

12.5. Results of PBT and vPvB assessment

The product has not been tested.

12.7. Other adverse effects

No information available.

Further information

Avoid release to the environment.

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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations


Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.

Contaminated packaging


Wash with plenty of water. Completely emptied packages can be recycled.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number or ID number:	UN 1814
14.2. UN proper shipping name:	POTASSIUM HYDROXIDE SOLUTION
14.3. Transport hazard class(es):	8
14.4. Packing group:	III
Hazard label:	8
	
Classification code:	C5
Limited quantity:	5 L
Excepted quantity:	E1
Transport category:	3
Hazard No:	80
Tunnel restriction code:	E

Inland waterways transport (ADN)

14.1. UN number or ID number:	UN 1814
14.2. UN proper shipping name:	POTASSIUM HYDROXIDE SOLUTION
14.3. Transport hazard class(es):	8
14.4. Packing group:	III
Hazard label:	8
	
Classification code:	C5
Limited quantity:	5 L
Excepted quantity:	E1

Marine transport (IMDG)

14.1. UN number or ID number:	UN 1814
14.2. UN proper shipping name:	KALIUMHYDROXIDLÖSUNG
14.3. Transport hazard class(es):	8
14.4. Packing group:	III
Hazard label:	8

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Special Provisions:	223
Limited quantity:	5 L
Excepted quantity:	E1
EmS:	F-A, S-B
Segregation group:	18 - alkalis

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number:	UN 1814
14.2. UN proper shipping name:	KALIUMHYDROXIDLÖSUNG
14.3. Transport hazard class(es):	8
14.4. Packing group:	III
Hazard label:	8



Special Provisions:	A3 A803
Limited quantity Passenger:	1 L
Passenger LQ:	Y841
Excepted quantity:	E1
IATA-packing instructions - Passenger:	852
IATA-max. quantity - Passenger:	5 L
IATA-packing instructions - Cargo:	856
IATA-max. quantity - Cargo:	60 L

14.6. Special precautions for user

No dangerous good in sense of this transport regulation.

14.7. Maritime transport in bulk according to IMO instruments

No dangerous good in sense of this transport regulation.

SECTION 15: Regulatory information

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

EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 3

2010/75/EU (VOC):	8,5 % (89,25 g/l)
Information according to 2012/18/EU (SEVESO III):	Not subject to 2012/18/EU (SEVESO III)

Additional information

Regulation (EC) No. 648/2004 (Detergents regulation).

National regulatory information

Employment restrictions:	Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).
Water hazard class (D):	1 - slightly hazardous to water

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15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Changes

This data sheet contains changes from the previous version in section(s): 1.

Abbreviations and acronyms

CLP: Classification, labelling and Packaging
REACH: Registration, Evaluation and Authorization of Chemicals
GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals
UN: United Nations
CAS: Chemical Abstracts Service
DNEL: Derived No Effect Level
DMEL: Derived Minimal Effect Level
PNEC: Predicted No Effect Concentration
ATE: Acute toxicity estimate
LC50: Lethal concentration, 50%
LD50: Lethal dose, 50%
LL50: Lethal loading, 50%
EL50: Effect loading, 50%
EC50: Effective Concentration 50%
ErC50: Effective Concentration 50%, growth rate
NOEC: No Observed Effect Concentration
BCF: Bio-concentration factor
PBT: persistent, bioaccumulative, toxic
vPvB: very persistent, very bioaccumulative
ADR: Accord européen sur le transport des marchandises dangereuses par Route
(European Agreement concerning the International Carriage of Dangerous Goods by Road)
RID: Regulations concerning the international carriage of dangerous goods by rail
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
(Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures)
IMDG: International Maritime Code for Dangerous Goods
EmS: Emergency Schedules
MFAG: Medical First Aid Guide
IATA: International Air Transport Association
ICAO: International Civil Aviation Organization
MARPOL: International Convention for the Prevention of Marine Pollution from Ships
IBC: Intermediate Bulk Container
VOC: Volatile Organic Compounds
SVHC: Substance of Very High Concern
For abbreviations and acronyms, see table at <http://abbrev.esdscom.eu>

Classification for mixtures and used evaluation method according to regulation (EC) No. 1272/2008 [CLP]

Classification	Classification procedure
Skin Corr. 1; H314	On basis of test data
Eye Dam. 1; H318	On basis of test data

Relevant H and EUH statements (number and full text)

H302 Harmful if swallowed.
H312 Harmful in contact with skin.

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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.
H400	Very toxic to aquatic life.

Further Information

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)