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1.1 Product identifier

INPUR

UFI: 0E7X-99R1-3W93-C0N3

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

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

E-Mail: info@arcora.de

<u>1.4 Emergency telephone number</u> Poison control centre of the Charité – Universitätsmedizin

Berlin 24H- Tel.: 030 30686700

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Regulation (EC) Nr. 1272/2008

Hazard categories:

Skin corrosion/irritation: Skin cor. 1

Serious eye damage/eye irritation: Eye damage 1

Hazard statements:

Causes severe skin burns and eye damage.

Causes severe eye damage.

2.2 Label elements

Regulation (EC) No 1272/2008

Hazard-determining components of labelling

2-Butoxy-ethanol (cf. butyl glycol)

Isotridecanol, ethoxylated (7-14 EO)

Sodium hydroxide; caustic soda; sodium hydroxide solution

Potassium hydroxide (cf. caustic potash)

Signal word: Danger

Pictograms:



Hazard warnings

H314 Causes severe skin burns and eye damage.

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Safety instructions

P260 Do not breathe dust/fume/gas/mist/vapour/aerosol.

Wash thoroughly with water after use. P264

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

protection.

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

P303+P361+P353 IF ON SKIN (or hair): Remove all contaminated clothing immediately. Wash skin

with water or shower.

P363 Wash contaminated clothing before wearing again.

P304+P340 IF INHALED: Remove the person to fresh air and ensure unobstructed breathing.

P310 Immediately call POISON CENTRE/doctor. P321 Special handling (see advice on this label)

IF IN EYES: Rinse cautiously with water for several minutes. Remove any contact P305+P351+P338

lenses if possible. Continue to rinse.

Immediately call POISON CENTRE/doctor. P310

Keep under lock and key. P405

P501 Dispose of contents/container in accordance with official regulations.

2.3 Other hazards

No information available.

SECTION 3: Composition / information on ingredients

3.1 Mixtures

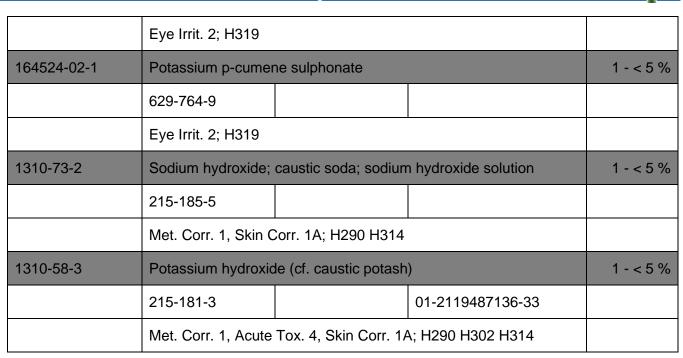
Hazardous ingredients

CAS-No.	Chemical name			Proportion
	EG-No.	Index-No.	REACH-No.	
	GHS-Classification			
111-76-2	2-Butoxy-ethanol (c	f. butyl glycol)		10 - < 15 %
	203-905-0		01-2119475108-36	
	Acute Tox. 4, Acute H332 H312 H302 H		4, Skin Irrit. 2, Eye Irrit. 2;	
9043-30-5	Isotridecanol, ethox	cylated (7-14 EO)		1 - < 5 %
	Acute Tox. 4, Eye D	Dam. 1; H302 H318		
15763-76-5	Sodium p-cumene	sulphonate		1 - < 5 %

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Wording of H- and EUH-phrases: see section 16.

Specific concentration limits and M-factors

CAS-No.	EG-No.	Chemical name	Proportion
	Specific cor	centration limits, M-factors and ATE	
111-76-2	203-905-0	2-Butoxy-ethanol (cf. butyl glycol)	10 - < 15 %
		ATE = 11 mg/l (vapours); inhalation: ATE = 1.5 mg/l (dusts ermal: LD50 = 1200 mg/kg; oral: LD50 = 1480 mg/kg	
9043-30-5		Isotridecanol, ethoxylated (7-14 EO)	1 - < 5 %
	dermal: LD5	0 = >2000 mg/kg; oral: LD50 = 556 mg/kg	
15763-76-5		Sodium p-cumene sulphonate	1 - < 5 %
	inhalation: r LD50 = > 20	nissing data (gases); dermal: LD50 = > 2000 mg/kg; oral:	
164524-02-1	629-764-9	Kalium-p-cumolsulfonat	1 - < 5 %
	inhalation: n LD50 = > 20	nissing data (gases); dermal: LD50 = > 2000 mg/kg; oral: 000 mg/kg	
1310-73-2	215-185-5	Sodium hydroxide; caustic soda; sodium hydroxide solution	1 - < 5 %
	data Skin C	Missing data (gases); dermal: Missing data; oral: Missing orr. 1A; H314: >= 5 - 100 Skin Corr. 1B; H314: >= 2 - < 5 H315: >= 0.5 - < 2 Eye Irrit. 2; H319: >= 0,5 - < 2	
1310-58-3	215-181-3	Potassium hydroxide (cf. caustic potash)	1 - < 5 %
	oral: LD50 =	= 273 mg/kg	

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Labelling of ingredients according to Regulation (EC) No 648/2004

< 5 % non-ionic surfactants.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

First aiders: Pay attention to self-protection! Remove the victim from the danger zone and lay him/her down.

After inhalation

Provide fresh air. Medical treatment necessary.

After skin contact

In case of contact with skin, wash immediately with plenty of soap and water. Immediately remove all contaminated clothing immediately and wash before wearing again. In case of skin irritation: Seek medical advice/attention.

After eve contact

In case of contact with eyes, rinse immediately with running water for 10 to 15 minutes with the eyelids open and consult an ophthalmologist.

After ingestion

Rinse mouth immediately and drink 1 glass of water. Do NOT induce vomiting. Possible adverse effects on humans and possible symptoms: Gastric perforation. Seek medical attention immediately. Do not allow to drink neutralising agent.

4.2 Most important symptoms and effects, both acute and delayed

No information available.

4.3 Indications for immediate medical help or special treatment

Symptomatic treatment.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Adapt extinguishing measures to the surroundings.

5.2 Special hazards arising from the substance or mixture

Not flammable.

5.3 Advice for firefighters

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

Additional informations

Knock down gases/vapors/mist with water spray. Collect contaminated extinguishing water separately. Do not allow to enter drains or waterways.

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6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Do not breathe gas/fume/vapor/aerosol. Avoid contact with skin, eyes and Avoid contact with skin, eyes and clothing. Use personal protective equipment.

6.2 Environmental measures

Do not allow to enter drains or water courses.

6.3 Methods and material for retention and cleaning

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders). Treat the absorbed material according to the section Disposal.

6.4 Reference to other sections

Safe handling: see section 7

Personal protective equipment: see section 8

Disposal: see section 13

SECTION 7: Hand ling and storage

7.1 Protective measures for safe handling

Advice on safe handling

In case of open handling, use devices with local exhaust ventilation. Gas/fume/vapor/aerosol Do not inhale.

Notes on fire and explosion protection

No special fire protection measures required.

7.2 Conditions for safe storage taking into account incompatibilities

Requirements for storage rooms and containers

Keep container tightly closed. Store under lock and key. Store in a place accessible only to authorized persons. Ensure sufficient ventilation and spot extraction at critical points.

Information on storage in one place

No special precautions required.

Storage class according to TRGS 510: 12 (Non-flammable liquids that cannot be assigned to

any of the above LG).

SECTION 8: Exposure controls/personal protective equipment

8.1. Parameters to be monitored

Occupational exposure limit values (TRGS 900)

CAS-No.	Chemical name	ppm	mg/m³	F/m³	Top gr.	Туре
111-76-2	2-Butoxyethanol	10	49		2(I)	

Safety Data Sheet according to Regulation (EC) No 1907/2006

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Biological limit values (TRGS 903)

CAS-No.	Chemical name	Parameters	Limit	Sub- material	Rehearsals Time
111-76-2	2-Butoxyethanol	Butoxyacetic acid (after hydrolysis into creatinine)	150 mg/g	U	b,c

DNEL-/DMEL-values

	nemical name	T		
DNEL Type		Exposure route	Effect	Value
	Butoxy-ethanol (cf. bu	ıtyl glycol)		
Consumer DNE	<u> </u>	oral	systemic	6,3 mg/kg KG/d
Consumer DNE	L, acute	oral	systemic	26,7 mg/kg KG/d
Consumer DNE	L, acute	dermal	systemic	89 mg/kg KG/d
Employee DNE	L, acute	dermal	systemic	89 mg/kg KG/d
Consumer DNE	L, long term	dermal	systemic	75 mg/kg KG/d
Employee DNE	L, long term	dermal	systemic	125 mg/kg KG/d
Consumer DNE	L, acute	inhalative	systemic	426 mg/m ³
Employee DNE	L, acute	inhalative	systemic	1091 mg/m³
Consumer DNE	L, long term	inhalative	systemic	59 mg/m ³
Employee DNE	L, long term	inhalative	systemic	98 mg/m³
Employee DNE	L, acute	inhalative	local	246 mg/m ³
Consumer DNE	L, long term	inhalative	local	147 mg/m³
15763-76-5	Sodium p-cumene su	lphonate		
Consumer DNE	L, long term	oral	systemic	3,8 mg/kg KG/d
Employee DNE	L, long term	dermal	systemic	136,25 mg/kg KG/d
Consumer DNE	L, long term	dermal	systemic	68,1 mg/kg KG/d
Employee DNE	L, long term	dermal	local	0,096 mg/cm ²
Consumer DNE	L, long term	dermal	local	0,048 mg/cm ²
Employee DNE	L, long term	inhalative	systemic	26,9 mg/m³
Consumer DNE	L, long term	inhalative	systemic	6,6 mg/m³
164524-02-1	Potassium p-cumene	sulphonate		
Consumer DNE	L, long term	oral	systemic	3,8 mg/kg KG/d
Employee DNE	L, long term	dermal	systemic	136,25 mg/kg KG/d
Consumer DNE	L, long term	dermal	systemic	68,1 mg/kg KG/d
Employee DNE	L, long term	dermal	local	0,096 mg/cm ²
Consumer DNF	L, long term	dermal	local	0,048 mg/cm ²
Consumer Dive		inhalative	systemic	26,9 mg/m ³

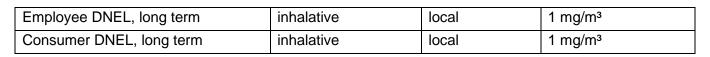
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PNEC-values

CAS-No. Chemical name	
Environmental compartment	value
111-76-2 2-Butoxy-ethanol (cf. butyl glycol)	
Freshwater	8,8 mg/l
Fresh water (intermittent release)	9,1 mg/l
Seawater	0,88 mg/l
Freshwater sediment	34,6 mg/kg
Sea sediment	3,46 mg/kg
Microorganisms in sewage treatment plants	463 mg/l
Soil	2,33 mg/kg
15763-76-5 Sodium p-cumene sulphonate	
Freshwater	0,23 mg/l
Seawater	0,023 mg/l
Freshwater sediment	0,862 mg/kg
Sea sediment	0,086 mg/kg
Microorganisms in sewage treatment plants 100	
Soil	0,037 mg/l
164524-02-1 Potassium p-cumene sulphonate	
Freshwater	0,23 mg/l
Seawater	0,023 mg/l
Freshwater sediment	0,862 mg/kg
Sea sediment	0,086 mg/kg
Microorganisms in sewage treatment plants	100 mg/l
Soil	0,037 mg/kg

8.2 Exposure controls and monitoring





Suitable technical control devices

In case of open handling, use devices with local exhaust ventilation. Gas/fume/vapor/aerosol Do not inhale.

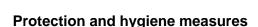
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Immediately remove soiled, saturated clothing. Draw up a skin protection plan and follow it! Wash hands and face thoroughly before breaks and at the end of work, shower if necessary. Do not eat, drink, smoke or sniff at the workplace.

Eye/face protection

Suitable eye protection: Basket goggles.

Hand protection

When handling chemical agents, only chemical protective gloves with a CE mark including a four-digit test number may be worn. Chemical protective gloves are be selected according to the concentration and quantity of the hazardous substance. specific to the workplace. It is recommended that the chemical resistance of the above-mentioned. It is recommended to clarify the chemical resistance of the above-mentioned protective gloves for special applications with the glove manufacturer.

Body protection

Use of protective clothing.

Breathing protection

Wear respiratory protection in case of insufficient ventilation.

SECTION 9: Physical and chemical properties

9.1 Information on the basic physical and chemical properties

Phyiscal state: liquid

Colour: yellow-green Odour:

fresh

pH-value (at 20°C): 12-13

Changes in the physical state

Melting point: not determined Initial boiling point and boiling range: not determined

Flash point: 100 °C

Flammability

Solid: not applicable Gas: not applicable

Explosion hazards

The product is not: Explosive.

Lower explosion limit: not determined Upper explosion limit: not determined

Auto-ignition temperature

Solid: not applicable Gas: not applicable not determined Decomposition temperature:



according to Regulation (EC) No 1907/2006

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Oxidising properties

Not oxidising.

Vapour pressure: not determined
Density (at 20 °C): 1,05 g/cm³
Solubility in water: slightly soluble

Solubility in other solvents

Not determined

Partition coefficient: not determined

Dyn. viscosity: 1 mm²/s

(at 20 °C)

Vapour density: not determined Evaporation rate: not determined

9.2 Other information

Solids content: not determined

SECTION 10: Stability and reactivity

10.1 Reactivity

Possibility of hazardous reactions.

10.2 Chemical stability

The product is stable when stored at normal ambient temperatures.

10.3 Possibility of hazardous reactions

Exothermic reaction with: Acid, peroxides, oxidizing agents.

10.4 Conditions to avoid

none

10.5 Incompatible materials

Keep away from: Acid, oxidizing agents, peroxides.

10.6 Hazardous decomposition products

No dangerous decomposition products are known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

CAS-No.	Chemical name				
	Exposure route	Dose	Species	Source	Method
111-76-2	2-Butoxy-ethanol (c	f. butyl glycol)			



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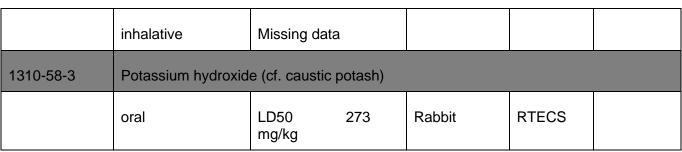


	oral	LD50 1 mg/kg	480	Rat	
	dermal	LD50 1 mg/kg	200	Rabbit	
	inhalative vapour	ATE 1	1 mg/l		
	inhalative Aerosol	ATE 1	,5 mg/l		
9043-30-5	Isotridecanol, ethox	ylated (7-14 EC))		
	oral	LD50 5 mg/kg	556	Rat	
	dermal	LD50 >20 mg/kg	000	Rabbit	
15763-76-5	Sodium p-cumene s	ulphonate			
	oral	LD50 > 2 mg/kg	000	Rat	
	dermal	LD50 > 2 mg/kg	000	Rabbit	
	inhalative	Missing data			
164524-02-1	Potassium p-cumen	e sulphonate			
	oral	LD50 > 2 mg/kg	000	Rat	
	dermal	LD50 > 20 mg/kg	000	Rabbit	
	inhalative	Missing data			
1310-73-2	Sodium hydroxide; o	caustic soda; sc	odium hyd	droxide solution	
	oral	Missing data			
	dermal	Missing data			

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Other information on examinations

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

SECTION 12: Environmental information

12.1 Toxicity

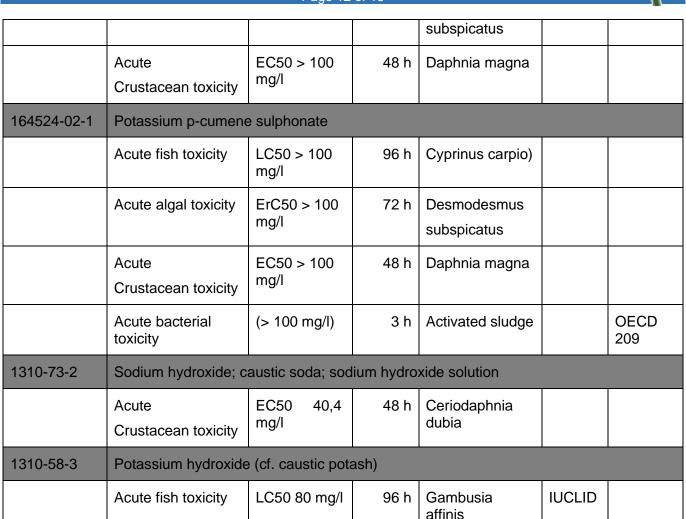
The product is not: Ecotoxic.

CAS-No.	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
111-76-2	2-Butoxy-ethanol (cf	. butyl glycol)				
	Acute fish toxicity	LC50 1474 mg/l	96 h	Rainbow trout		
	Acute Crustacean toxicity	EC50 1550 mg/l	48 h	Water flea		
	Fish toxicity	NOEC >100 mg/l	21 d	Zebrafish		
9043-30-5	Isotridecanol, ethoxy	rlated (7-14 EO)				
	Acute fish toxicity	LC50 >1-10 mg/l	96 h	Cyprinus carpio		
	Acute algal toxicity	ErC50 >1-10 mg/l	72 h	Desmodesmus subspicatus		
	Acute Crustacean toxicity	EC50 >1-10 mg/l	48 h	Daphnia magna		
15763-76-5	Sodium p-cumene si	ulphonate				
	Acute fish toxicity	LC50 > 100 mg/l	96 h	Oncorhynchus mykiss)		
	Acute algal toxicity	ErC50 > 100 mg/l	72 h	Desmodesmus		

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12.2. Persistence and degradability

The product has not been tested.

12.3. Bioaccumulation potential

The product has not been tested.

Partition coefficient n-octanol/water

CAS-No.	Chemical name	Log Pow
111-76-2	2-Butoxy-ethanol (cf. butyl glycol)	0,81 (25°C)

12.4. Mobility in soil

The product has not been tested.

12.5. Results of the PBT and vPvB assessment

The product has not been tested.

12.6. Other adverse effects

No information available.

according to Regulation (EC) No 1907/2006

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Further notes

Avoid release into the environment.

SECTION 13: Disposal information

13.1 Waste treatment methods

Recommendation for disposal

Do not allow to enter drains or water courses. Dispose of in accordance with official regulations.

Disposal of uncleaned packaging and recommended cleaning agents

Wash off with plenty of water. Completely emptied packaging can be recycled.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1 UN-number:Not a dangerous good in the sense of these Transport regulations.

Not a dangerous good in the sense of these Transport regulations.

UN-shipping name:

14.3 transport hazard class:
14.4 Packing group:

Not a dangerous good in the sense of these Transport regulations.

Not a dangerous good in the sense of these Transport regulations.

Inland waterway transport (ADN)

14.1 UN-number:14.2 properNot a dangerous good in the sense of these Transport regulations.Not a dangerous good in the sense of these Transport regulations.

UN-shipping name:

14.3 transport hazard class:14.4 Packing group:Not a dangerous good in the sense of these Transport regulations.Not a dangerous good in the sense of these Transport regulations.

Sea transport (IMDG)

14.1 UN-number: Not a dangerous good in the sense of these Transport regulations.14.2 properNot a dangerous good in the sense of these Transport regulations.

UN-shipping name:

14.3 transport hazard class:14.4 Packing group:Not a dangerous good in the sense of these Transport regulations.

Air transport (ICAO-TI/IATA-DGR)

14.1 UN-number: Not a dangerous good in the sense of these Transport regulations.14.2 properNot a dangerous good in the sense of these Transport regulations.

UN-shipping name:

14.3 transport hazard class:
14.4 Packing group:

Not a dangerous good in the sense of these Transport regulations.

Not a dangerous good in the sense of these Transport regulations.

14.5. Environmental hazards

ENVIRONMENTALLY DANGEROUS: No.

14.6. Special precautions for the user

Warning: strongly corrosive.

according to Regulation (EC) No 1907/2006

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14.7. carriage in bulk according to Annex II of MARPOL Convention and according to IBC Code

not applicable

SECTION 15: Legislation

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

EU-regulations

Restrictions on use (REACH, Annex XVII):

Entry 3

Information on IE Directive 2010/75/EU

13 % (136.5 g/l)

(VOC):

Information on the VOC Directive

13 % (136,5 g/l)

2004/42/EG:

Information on the SEVESO III Directive

2012/18/EU:

Not subject to the SEVESO III Directive

National regulations

Employment restriction: Observe employment restrictions for young people

(§ 22 JArbSchG).

Water hazard class:: 1 - slightly hazardous to water

> Status: Classification of mixtures according to Annex 1, No. 5 AwSV

15.2 Chemical Safety Assessment

Chemical safety assessments for substances in this mixture have not been performed.

SECTION 16: Other information

Changes

This data sheet contains changes to the previous version in the section(s): 3,7,9,14,15.

Abbreviations and acronyms

REACH: Registration, Evaluation and Authorization of Chemicals

GHS: Globally Harmonized System of Classification, Labeling and Packaging of Chemicals

UN: United Nations

CAS: Chemical Abstraction Service **DNEL: Derived Non-Effect Level** DMEL: Derived minimum effect level PNEC: Predicted No Effect Concentration

ATE: Acute toxicity estimate LC50: Lethal concentration, 50%

LD50: Lethal dose, 50% LL50: Lethal exposure, 50% EL50: Effective exposure, 50% EC50: Effective concentration 50%

ErC50: Effective concentration 50%, growth rate NOEC: No observed effective concentration

BCF: Bio-concentration factor

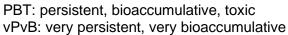
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ADR: European Agreement concerning the Carriage of Dangerous Goods by Road

(European Agreement concerning the International Carriage of Dangerous Goods by Road) RID: Regulations concerning the International Carriage of Dangerous Goods by Rail (European

Agreement concerning the International Carriage of Dangerous Goods by Road) MARPOL: International Convention for the Prevention of Pollution from Ships

IBC: Intermediate Bulk Container VOC: Volatile Organic Compounds SVHC: Substance of Very High Concern

Abkürzungen und Akronyme siehe Verzeichnis unter http://abk.esdscom.eu

Classification of mixtures and assessment method used according to Regulation (EC) No 1272/2008 [CLP].

Classification	Classification procedure
Skin Corr. 1; H314	Based on test data
Eye Dam. 1; H318	Based on test data

Wording of H and EUH phrases (number and full text)

H290	May be corrosive to metals.
H302	Harmful if swallowed.
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 severe eye irritation.
H332	Harmful by inhalation.

May be somestive to meetale

Further information

11200

The information provided is based on our current knowledge, but does not constitute a warranty of product characteristics and do not establish a contractual legal relationship. Existing laws and regulations. The recipient of our products is responsible for complying with existing laws and regulations.

(The data of the hazardous ingredients were taken from the latest safety data sheet of the supplier.)