

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 12/19/2013 Version: 1.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking **Product identifier** 1.1. Product form : Mixture Product name : Potassium Hydroxide, 10% w/v Product code : LC19200 1.2. Relevant identified uses of the substance or mixture and uses advised against Use of the substance/mixture : For laboratory and manufacturing use only. 1.3. Details of the supplier of the safety data sheet LabChem Inc Jackson's Pointe Commerce Park Building 1000, 1010 Jackson's Pointe Court Zelienople, PA 16063 - USA T 412-826-5230 - F 724-473-0647 info@labchem.com - www.labchem.com **Emergency telephone number** 1.4. Emergency number : CHEMTREC: 1-800-424-9300 or 011-703-527-3887 SECTION 2: Hazards identification 2.1. **Classification of the substance or mixture GHS-US classification** Skin Corr. 1B H314 Eye Dam. 1 H318 2.2. Label elements **GHS-US** labelling Hazard pictograms (GHS-US) GHS05 Signal word (GHS-US) : Danger Hazard statements (GHS-US) : H314 - Causes severe skin burns and eye damage Precautionary statements (GHS-US) : P260 - Do not breathe mist, vapours, spray P264 - Wash exposed skin thoroughly after handling P280 - Wear protective gloves, protective clothing, eye protection, face protection P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting P303+P361+P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower P304+P340 - IF INHALED: remove victim to fresh air and keep at rest in a position comfortable for breathing 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 or doctor/physician P363 - Wash contaminated clothing before reuse P405 - Store locked up P501 - Dispose of contents/container to comply with local, state and federal regulations 2.3. **Other hazards** Other hazards not contributing to the : None. classification 2.4. Unknown acute toxicity (GHS-US) No data available SECTION 3: Composition/information on ingredients 3.1. Substance Not applicable

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### Full text of H-phrases: see section 16

### 3.2. **Mixture**

Name	Product identifier	%	GHS-US classification
Water	(CAS No) 7732-18-5	90.8	Not classified
Potassium Hydroxide	(CAS No) 1310-58-3	9.2	Acute Tox. 4 (Oral), H302 Skin Corr. 1A, H314 Eve Dam. 1. H318

SECTION 4: First aid measures	
4.1. Description of first aid measures	
First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: Remove to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.
First-aid measures after skin contact	<ul> <li>Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a POISON CENTER or doctor/physician.</li> </ul>
First-aid measures after eye contact	<ul> <li>Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.</li> </ul>
First-aid measures after ingestion	<ul> <li>Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.</li> </ul>
4.2. Most important symptoms and ef	fects, both acute and delayed
Symptoms/injuries	: Causes severe skin burns and eye damage.
Symptoms/injuries after eye contact	: Causes serious eye damage.
4.3. Indication of any immediate med	ical attention and special treatment needed
Obtain medical assistance.	
SECTION 5: Firefighting measures	
5.1. Extinguishing media	
Suitable extinguishing media	: Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media	: Do not use a heavy water stream.
5.2. Special hazards arising from the Reactivity	: Thermal decomposition generates : Corrosive vapours.
-	. memar decomposition generates : conosive vapours.
5.3. Advice for firefighters	· Line water enrou or fea fer cooling evenend containers. Eversion coution when fighting on u
Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.
SECTION 6: Accidental release me	basuros
	equipment and emergency procedures
6.1.1. For non-emergency personnel	
Protective equipment	: Safety glasses. Protective clothing. Gloves. Face-shield.
Emergency procedures	: Evacuate unnecessary personnel.
6.1.2. For emergency responders	
Protective equipment	: Equip cleanup crew with proper protection.
Emergency procedures	: Ventilate area.
6.2. Environmental precautions	
Prevent entry to sewers and public waters. No	otify authorities if liquid enters sewers or public waters.
6.3. Methods and material for contain	ment and cleaning up
Methods for cleaning up	: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

#### **Reference to other sections** 6.4.

See Heading 8. Exposure controls and personal protection.

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SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Precautions for safe handling	: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Do not breathe mist, vapours, spray.
Hygiene measures	: Wash exposed skin thoroughly after handling. Wash contaminated clothing before reuse.
7.2. Conditions for safe storage, includin	ig any incompatibilities
Technical measures	: Comply with applicable regulations.
Storage conditions	: Keep only in the original container in a cool, well ventilated place away from : incompatible materials. Keep container closed when not in use.
Incompatible products	: Strong acids.
Incompatible products	: Sources of ignition. Direct sunlight.

### 7.3. Specific end use(s)

### No additional information available

### SECTION 8: Exposure controls/personal protection

### 8.1. **Control parameters**

Potassium Hydroxide (1310-58-3)	
ACGIH Ceiling (mg/m <sup>3</sup> )	2 mg/m³
0,,,	safety showers should be available in the immediate vicinity xposure is below occupational exposure limits (where
: Avoid all unnecessary exposure.	
: Wear protective gloves.	
: Chemical goggles or face shield.	
: Wear suitable protective clothing.	
: Wear appropriate mask.	
: Do not eat, drink or smoke during u	se.
	ACGIH Ceiling (mg/m <sup>3</sup> ) E Emergency eye wash fountains and of any potential exposure. Ensure e available). E Avoid all unnecessary exposure. Wear protective gloves. E Chemical goggles or face shield. Wear suitable protective clothing.

### **SECTION 9: Physical and chemical properties**

### Information on basic physical and chemical properties 9.1.

Physical state	: Liquid
Colour	: Colourless.
Odour	: None.
Odour threshold	: No data available
рН	: ≥14
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Self ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 1.08 g/ml
Solubility	: Soluble in water.
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: 1.12 cSt

# Potassium Hydroxide, 10% w/v Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday March 20

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Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available
9.2. Other information	
No additional information available	
SECTION 10: Stability and reactivity	
10.1. Reactivity	
Thermal decomposition generates : Corrosive va	noure
	pours.
10.2. Chemical stability	
Stable under normal conditions.	
10.3. Possibility of hazardous reactions	
Reacts violently with acids.	
10.4. Conditions to avoid	
Direct sunlight. Extremely high or low temperatur	es.
10.5. Incompatible materials	
Strong acids.	
10.6. Hazardous decomposition products	
Potassium oxide. Thermal decomposition genera	
	· · · · · · · · · · · · · · · · · · ·
SECTION 11: Toxicological informat	ion
11.1. Information on toxicological effects	
A	N http://www.com/com/
Acute toxicity	: Not classified
Potassium Hydroxide, 10% w/v	
LD50 oral rat	2967 mg/kg
LD50 oral rat Potassium Hydroxide (1310-58-3)	2967 mg/kg
	2967 mg/kg 333 mg/kg (Rat; Experimental value,Rat; Experimental value)
Potassium Hydroxide (1310-58-3) LD50 oral rat	
Potassium Hydroxide (1310-58-3)	
Potassium Hydroxide (1310-58-3) LD50 oral rat Water (7732-18-5)	333 mg/kg (Rat; Experimental value,Rat; Experimental value)
Potassium Hydroxide (1310-58-3)LD50 oral ratWater (7732-18-5)LD50 oral rat	333 mg/kg (Rat; Experimental value,Rat; Experimental value) ≥ 90000 mg/kg
Potassium Hydroxide (1310-58-3)LD50 oral ratWater (7732-18-5)LD50 oral rat	333 mg/kg (Rat; Experimental value,Rat; Experimental value)         ≥ 90000 mg/kg         : Causes severe skin burns and eye damage.
Potassium Hydroxide (1310-58-3)LD50 oral ratWater (7732-18-5)LD50 oral ratSkin corrosion/irritation	333 mg/kg (Rat; Experimental value,Rat; Experimental value)         ≥ 90000 mg/kg         : Causes severe skin burns and eye damage. pH: ≥ 14
Potassium Hydroxide (1310-58-3)LD50 oral ratWater (7732-18-5)LD50 oral ratSkin corrosion/irritation	333 mg/kg (Rat; Experimental value,Rat; Experimental value)         ≥ 90000 mg/kg         : Causes severe skin burns and eye damage.         pH: ≥ 14         : Causes serious eye damage.
Potassium Hydroxide (1310-58-3)LD50 oral ratWater (7732-18-5)LD50 oral ratSkin corrosion/irritationSerious eye damage/irritation	333 mg/kg (Rat; Experimental value,Rat; Experimental value)         ≥ 90000 mg/kg         : Causes severe skin burns and eye damage.         pH: ≥ 14         : Causes serious eye damage.         pH: ≥ 14
Potassium Hydroxide (1310-58-3)         LD50 oral rat         Water (7732-18-5)         LD50 oral rat         Skin corrosion/irritation         Serious eye damage/irritation         Respiratory or skin sensitisation	333 mg/kg (Rat; Experimental value,Rat; Experimental value)         ≥ 90000 mg/kg         : Causes severe skin burns and eye damage.         pH: ≥ 14         : Causes serious eye damage.         pH: ≥ 14         : Not classified
Potassium Hydroxide (1310-58-3)         LD50 oral rat         Water (7732-18-5)         LD50 oral rat         Skin corrosion/irritation         Serious eye damage/irritation         Respiratory or skin sensitisation         Germ cell mutagenicity	333 mg/kg (Rat; Experimental value,Rat; Experimental value)         ≥ 90000 mg/kg         : Causes severe skin burns and eye damage.         pH: ≥ 14         : Causes serious eye damage.         pH: ≥ 14         : Not classified         : Not classified
Potassium Hydroxide (1310-58-3)         LD50 oral rat         Water (7732-18-5)         LD50 oral rat         Skin corrosion/irritation         Serious eye damage/irritation         Respiratory or skin sensitisation         Germ cell mutagenicity         Carcinogenicity	333 mg/kg (Rat; Experimental value,Rat; Experimental value)         ≥ 90000 mg/kg         : Causes severe skin burns and eye damage.         pH: ≥ 14         : Causes serious eye damage.         pH: ≥ 14         : Not classified         : Not classified         : Not classified         : Not classified
Potassium Hydroxide (1310-58-3)         LD50 oral rat         Water (7732-18-5)         LD50 oral rat         Skin corrosion/irritation         Serious eye damage/irritation         Respiratory or skin sensitisation         Germ cell mutagenicity         Carcinogenicity         Reproductive toxicity	333 mg/kg (Rat; Experimental value,Rat; Experimental value)         ≥ 90000 mg/kg         : Causes severe skin burns and eye damage.         pH: ≥ 14         : Causes serious eye damage.         pH: ≥ 14         : Not classified
Potassium Hydroxide (1310-58-3)         LD50 oral rat         Water (7732-18-5)         LD50 oral rat         Skin corrosion/irritation         Serious eye damage/irritation         Respiratory or skin sensitisation         Germ cell mutagenicity         Carcinogenicity         Reproductive toxicity	333 mg/kg (Rat; Experimental value,Rat; Experimental value)         ≥ 90000 mg/kg         : Causes severe skin burns and eye damage.         pH: ≥ 14         : Causes serious eye damage.         pH: ≥ 14         : Not classified
Potassium Hydroxide (1310-58-3)LD50 oral ratWater (7732-18-5)LD50 oral ratSkin corrosion/irritationSerious eye damage/irritationSerious eye damage/irritationGerm cell mutagenicityCarcinogenicityReproductive toxicitySpecific target organ toxicity (single exposure)Specific target organ toxicity (repeated exposure)	333 mg/kg (Rat; Experimental value,Rat; Experimental value)         ≥ 90000 mg/kg         : Causes severe skin burns and eye damage.         pH: ≥ 14         : Causes serious eye damage.         pH: ≥ 14         : Not classified
Potassium Hydroxide (1310-58-3)         LD50 oral rat         Water (7732-18-5)         LD50 oral rat         Skin corrosion/irritation         Serious eye damage/irritation         Respiratory or skin sensitisation         Germ cell mutagenicity         Carcinogenicity         Reproductive toxicity         Specific target organ toxicity (single exposure)         Specific target organ toxicity (repeated	333 mg/kg (Rat; Experimental value,Rat; Experimental value)         ≥ 90000 mg/kg         : Causes severe skin burns and eye damage.         pH: ≥ 14         : Causes serious eye damage.         pH: ≥ 14         : Not classified
Potassium Hydroxide (1310-58-3)         LD50 oral rat         Water (7732-18-5)         LD50 oral rat         Skin corrosion/irritation         Serious eye damage/irritation         Respiratory or skin sensitisation         Germ cell mutagenicity         Carcinogenicity         Reproductive toxicity         Specific target organ toxicity (single exposure)         Specific target organ toxicity (repeated exposure)         Aspiration hazard         Potential Adverse human health effects and	333 mg/kg (Rat; Experimental value, Rat; Experimental value)         ≥ 90000 mg/kg         : Causes severe skin burns and eye damage.         pH: ≥ 14         : Causes serious eye damage.         pH: ≥ 14         : Not classified
Potassium Hydroxide (1310-58-3)LD50 oral ratWater (7732-18-5)LD50 oral ratSkin corrosion/irritationSerious eye damage/irritationRespiratory or skin sensitisationGerm cell mutagenicityCarcinogenicityReproductive toxicitySpecific target organ toxicity (single exposure)Specific target organ toxicity (repeated exposure)Aspiration hazardPotential Adverse human health effects and symptomsSymptoms/injuries after eye contact	333 mg/kg (Rat; Experimental value,Rat; Experimental value)         ≥ 90000 mg/kg         : Causes severe skin burns and eye damage.         pH: ≥ 14         : Causes serious eye damage.         pH: ≥ 14         : Not classified         : Sased on available data, the classification criteria are not met.         : Causes serious eye damage.
Potassium Hydroxide (1310-58-3)         LD50 oral rat         Water (7732-18-5)         LD50 oral rat         Skin corrosion/irritation         Serious eye damage/irritation         Respiratory or skin sensitisation         Germ cell mutagenicity         Carcinogenicity         Reproductive toxicity         Specific target organ toxicity (single exposure)         Specific target organ toxicity (repeated exposure)         Aspiration hazard         Potential Adverse human health effects and symptoms	333 mg/kg (Rat; Experimental value,Rat; Experimental value)         ≥ 90000 mg/kg         : Causes severe skin burns and eye damage.         pH: ≥ 14         : Causes serious eye damage.         pH: ≥ 14         : Not classified         : Sased on available data, the classification criteria are not met.         : Causes serious eye damage.

12.1. Toxicity		
Potassium Hydroxide, 10% w	'v	
LC50 fishes 1	870 mg/l	
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Potassium Hydroxide (1310-58-3)         LC50 fishes 1       > 28.6 mg/l (96 h; Pisces; Lethal)         LC50 fish 2       80 mg/l (Gambusia affinis)         TLM fish 1       80 ppm (24 h; Gambusia affinis)         12.2. Persistence and degradability         Potassium Hydroxide, 10% w/v         Persistence and degradability         Not established.         Potassium Hydroxide (1310-58-3)         Persistence and degradability         Biodegradability         Biodegradability         Biodegradability         Biodegradability         Biodegradability         Biochemical oxygen demand (BOD)         Not applicable         Chemical oxygen demand (COD)         Not applicable         BOD (% of ThOD)         Not applicable         Water (7732-18-5)         Persistence and degradability         Not established.
LC50 fish 2       80 mg/l (Gambusia affinis)         TLM fish 1       80 ppm (24 h; Gambusia affinis) <b>12.2.</b> Persistence and degradability         Potassium Hydroxide, 10% w/v         Persistence and degradability         Not established.         Potassium Hydroxide (1310-58-3)         Persistence and degradability         Biodegradability:         Biodegradability:         Not applicable         Chemical oxygen demand (BOD)         Not applicable         ThOD         BOD (% of ThOD)         Not established.
TLM fish 1       80 ppm (24 h; Gambusia affinis)         12.2.       Persistence and degradability         Potassium Hydroxide, 10% w/v         Persistence and degradability       Not established.         Potassium Hydroxide (1310-58-3)         Persistence and degradability       Biodegradability: not applicable.         Biochemical oxygen demand (BOD)       Not applicable         Chemical oxygen demand (COD)       Not applicable         ThOD       Not applicable         BOD (% of ThOD)       Not applicable         Water (7732-18-5)       Persistence and degradability         Persistence and degradability       Not established.
12.2.       Persistence and degradability         Potassium Hydroxide, 10% w/v         Persistence and degradability       Not established.         Potassium Hydroxide (1310-58-3)         Persistence and degradability       Biodegradability: not applicable.         Biochemical oxygen demand (BOD)       Not applicable         Chemical oxygen demand (COD)       Not applicable         ThOD       Not applicable         BOD (% of ThOD)       Not applicable         Water (7732-18-5)       Persistence and degradability         Persistence and degradability       Not established.
Potassium Hydroxide, 10% w/v         Persistence and degradability       Not established.         Potassium Hydroxide (1310-58-3)         Persistence and degradability       Biodegradability: not applicable.         Biochemical oxygen demand (BOD)       Not applicable         Chemical oxygen demand (COD)       Not applicable         ThOD       Not applicable         BOD (% of ThOD)       Not applicable         Water (7732-18-5)       Persistence and degradability         Persistence and degradability       Not established.
Persistence and degradability       Not established.         Potassium Hydroxide (1310-58-3)       Biodegradability: not applicable.         Persistence and degradability       Biodegradability: not applicable.         Biochemical oxygen demand (BOD)       Not applicable         Chemical oxygen demand (COD)       Not applicable         BOD (% of ThOD)       Not applicable         Water (7732-18-5)       Persistence and degradability         Not established.
Potassium Hydroxide (1310-58-3)         Persistence and degradability       Biodegradability: not applicable.         Biochemical oxygen demand (BOD)       Not applicable         Chemical oxygen demand (COD)       Not applicable         ThOD       Not applicable         BOD (% of ThOD)       Not applicable         Water (7732-18-5)       Persistence and degradability         Persistence and degradability       Not established.
Persistence and degradability       Biodegradability: not applicable.         Biochemical oxygen demand (BOD)       Not applicable         Chemical oxygen demand (COD)       Not applicable         ThOD       Not applicable         BOD (% of ThOD)       Not applicable         Water (7732-18-5)         Persistence and degradability       Not established.
Biochemical oxygen demand (BOD)     Not applicable       Chemical oxygen demand (COD)     Not applicable       ThOD     Not applicable       BOD (% of ThOD)     Not applicable       Water (7732-18-5)     Persistence and degradability   Not established.
Chemical oxygen demand (COD)       Not applicable         ThOD       Not applicable         BOD (% of ThOD)       Not applicable         Water (7732-18-5)       Persistence and degradability         Persistence and degradability       Not established.
ThOD     Not applicable       BOD (% of ThOD)     Not applicable       Water (7732-18-5)     Persistence and degradability       Not established.
BOD (% of ThOD)     Not applicable       Water (7732-18-5)     Persistence and degradability       Not established.
Water (7732-18-5)       Persistence and degradability     Not established.
Persistence and degradability Not established.
12.3. Bioaccumulative potential
Potassium Hydroxide, 10% w/v
Bioaccumulative potential Not established.
Potassium Hydroxide (1310-58-3)
Bioaccumulation: not applicable.
Water (7732-18-5)
Bioaccumulative potential Not established.
12.4. Mobility in soil
No additional information available
12.5. Other adverse effects
Other information : Avoid release to the environment.
SECTION 13: Disposal considerations
13.1. Waste treatment methods
Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Dispose of
contents/container to comply with local, state and federal regulations.
Ecology - waste materials : Avoid release to the environment.
SECTION 14: Transport information
In accordance with DOT
Transport document description : UN1814 Potassium hydroxide, solution, 8, II
UN-No.(DOT) : 1814
DOT NA no. : UN1814
DOT Proper Shipping Name : Potassium hydroxide, solution
Department of Transportation (DOT) Hazard : 8 - Class 8 - Corrosive material 49 CFR 173.136
Classes
Classes

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DOT Special Provisions (49 CFR 172.102)	<ul> <li>B2 - MC 300, MC 301, MC 302, MC 303, MC 305, and MC 306 and DOT 406 cargo tanks are not authorized.</li> <li>IB2 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized.</li> <li>T7 - 4 178.274(d)(2) Normal</li></ul>
DOT Packaging Exceptions (49 CFR 173.xxx)	: 154
DOT Packaging Non Bulk (49 CFR 173.xxx)	: 202
	: 242
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	: 1L
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: 30 L
DOT Vessel Stowage Location	A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.
DOT Vessel Stowage Other	52 - Stow "separated from" acids
Additional information	
Other information	No supplementary information available.
ADR Transport document description Transport by sea	
No additional information available	
Air transport	
No additional information available	
SECTION 15: Regulatory information	
15.1. US Federal regulations	
Potassium Hydroxide, 10% w/v	
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard
Potassium Hydroxide (1310-58-3)	
Listed on the United States TSCA (Toxic Substa	nces Control Act) inventory
RQ (Reportable quantity, section 304 of EPA's List of Lists) :	1000 lb
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard
Water (7732-18-5)	
Listed on the United States TSCA (Toxic Substa	nces Control Act) inventory
15.2. International regulations	
CANADA	
Potassium Hydroxide, 10% w/v	
WHMIS Classification	Class E - Corrosive Material
Potassium Hydroxide (1310-58-3)	
WHMIS Classification	Class E - Corrosive Material

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### **EU-Regulations**

No additional information available

### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Classification according to Directive 67/548/EEC or 1999/45/EC

Not classified

15.2.2. National regulations

No additional information available

### 15.3. US State regulations

No additional information available

### **SECTION 16: Other information**

Other information

: None.

### Full text of H-phrases: see section 16:

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Skin Corr. 1A	Skin corrosion/irritation, Category 1A
Skin Corr. 1B	Skin corrosion/irritation, Category 1B
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage

NFPA health hazard	<ol> <li>3 - Short exposure could cause serious temporary or residual injury even though prompt medical attention was given.</li> </ol>	
NFPA fire hazard	: 0 - Materials that will not burn.	
NFPA reactivity	: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.	

HMIS III Rating	
Health	: 3 Serious Hazard - Major injury likely unless prompt action is taken and medical treatment is given
Flammability	: 0 Minimal Hazard
Physical	: 0 Minimal Hazard
Personal Protection	: H

SDS US (GHS HazCom 2012)

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