

SECTION 1: Identification

1.1. Identification

Product form : Mixture
 Product name : San-O2-Gard
 Product code : 9400

1.2. Recommended use and restrictions on use

Use of the substance/mixture : Sanitizing agent

1.3. Supplier

Ace Chemical Products, Inc.
 8415 N. 87th Street
 Milwaukee, WI 53224 - USA
 T (414) 357-8515 - F (414) 357-8528
info@acechem.com - www.acechem.com

1.4. Emergency telephone number

Emergency number : For help in chemical emergencies, call Chemtrec day or night
 Chemtrec 1-800-424-9300

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

Flammable liquids Category 4	H227	Combustible liquid
Organic Peroxide Category C	H242	Heating may cause a fire
Acute toxicity (oral) Category 4	H302	Harmful if swallowed
Skin corrosion/irritation Category 1A	H314	Causes severe skin burns and eye damage

Full text of H statements : see section 16

2.2. GHS Label elements, including precautionary statements

GHS US labeling

Hazard pictograms (GHS-US) :



Signal word (GHS-US) : Danger

Hazard statements (GHS-US) : H227 - Combustible liquid
 H242 - Heating may cause a fire
 H302 - Harmful if swallowed
 H314 - Causes severe skin burns and eye damage
 H290 - May be corrosive to metals

Precautionary statements (GHS-US) : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. heat, open flames, sparks, hot surfaces
 P220 - Keep/Store away from clothing, combustible materials
 P234 - Keep only in original container
 P260 - Do not breathe dust/fume/gas/mist/vapors/spray
 P264 - Wash ... thoroughly after handling
 P270 - Do not eat, drink or smoke when using this product
 P280 - Wear protective gloves/protective clothing/eye protection/face protection
 P301+P312 - If swallowed: Call a doctor, a POISON CENTER if you feel unwell
 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/shower
 P304+P340 - If inhaled: Remove person to fresh air and keep 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 doctor, a POISON CENTER
P321 - Specific treatment (see ... on this label)
P330 - Rinse mouth
P363 - Wash contaminated clothing before reuse
P370+P378 - In case of fire: Use water spray only to extinguish
P403+P235 - Store in a well-ventilated place. Keep cool
P405 - Store locked up
P410 - Protect from sunlight
P411+P235 - Store at temperatures not exceeding 30C (86F). Keep cool
P420 - Store away from other materials
P501 - Dispose of contents/container to ...
Do not mix with bleach or other chlorinated products - may generate dangerous chlorine gas
Do not mix with other products

2.3. Other hazards which do not result in classification

Other hazards not contributing to the: None under normal conditions.
classification

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	GHS US classification
hydrogen peroxide solution ... %	(CAS-No.) 7722-84-1	20 - 30	Acute Tox. 4 (Oral), H302
peracetic acid ... %	(CAS-No.) 79-21-0	5 - 10	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312
acetic acid	(CAS-No.) 64-19-7	5 - 10	Flam. Liq. 3, H226 Met. Corr. 1, H290

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures general : Check the vital functions. Unconscious: maintain adequate airway and respiration. Respiratory arrest: artificial respiration or oxygen. Cardiac arrest: perform resuscitation. Victim conscious with laboured breathing: half-seated. Victim in shock: on his back with legs slightly raised. Vomiting: prevent asphyxia/aspiration pneumonia. Prevent cooling by covering the victim (no warming up). Keep watching the victim. Give psychological aid. Keep the victim calm, avoid physical strain. Depending on the victim's condition: doctor/hospital. Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). IF exposed or concerned: Get medical advice/attention.

First-aid measures after inhalation : Remove the victim into fresh air. Respiratory problems: consult a doctor/medical service.

First-aid measures after skin contact : Wash immediately with lots of water (15 minutes)/shower. Do not apply (chemical) neutralizing agents. Remove clothing while washing. Do not remove clothing if it sticks to the skin. Cover wounds with sterile bandage. Consult a doctor/medical service. If burned surface > 10%: take victim to hospital.

First-aid measures after eye contact : Rinse immediately with plenty of water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Cover eyes aseptically. Take victim to an ophthalmologist. Do not apply neutralizing agents. Obtain medical attention if pain, blinking or redness persist.

First-aid measures after ingestion : Rinse mouth with water. Immediately after ingestion: give lots of water to drink. Do not induce vomiting. Do not give activated charcoal. Do not give chemical antidote. Immediately call a poison center or doctor/physician. Take the container/vomit to the doctor/hospital. Ingestion of large quantities: immediately to hospital.

4.2. Most important symptoms and effects (acute and delayed)

- Potential Adverse human health effects and symptoms : Based on available data, the classification criteria are not met. Harmful if swallowed.
- Symptoms/injuries after inhalation : Coughing. Dry/sore throat. Irritation of the respiratory tract. Irritation of the nasal mucous membranes. FOLLOWING SYMPTOMS MAY APPEAR LATER: Respiratory difficulties. Risk of lung oedema.
- Symptoms/injuries after skin contact : Caustic burns/corrosion of the skin.
- Symptoms/injuries after eye contact : Corrosion of the eye tissue.
- Symptoms/injuries after ingestion : Burns to the gastric/intestinal mucosa. Nausea. Abdominal pain. Blood in vomit. AFTER ABSORPTION OF HIGH QUANTITIES: Shock.
- Chronic symptoms : ON CONTINUOUS/REPEATED EXPOSURE/CONTACT: Dry skin. Red skin.

4.3. Immediate medical attention and special treatment, if necessary

No additional information available

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

- Suitable extinguishing media : EXTINGUISHING MEDIA FOR SURROUNDING FIRES: Adapt extinguishing media to the environment.
- Unsuitable extinguishing media : No unsuitable extinguishing media known.

5.2. Specific hazards arising from the chemical

- Fire hazard : DIRECT FIRE HAZARD: Non combustible. INDIRECT FIRE HAZARD: Reactions involving a fire hazard: see "Reactivity Hazard".
- Explosion hazard : INDIRECT EXPLOSION HAZARD: Reactions with explosion hazards: see "Reactivity Hazard".

5.3. Special protective equipment and precautions for fire-fighters

- Firefighting instructions : Cool tanks/drums with water spray/remove them into safety. Dilute toxic gases with water spray. Take account of toxic fire-fighting water. Use water moderately and if possible collect or contain it.
- Protection during firefighting : Heat/fire exposure: compressed air/oxygen apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Protective equipment : Gas-tight suit. Corrosion-proof suit. See "Material-Handling" to select protective clothing.
- Emergency procedures : Mark the danger area. No naked flames. Wash contaminated clothes. Large spills/in confined spaces: consider evacuation. In case of hazardous reactions: keep upwind. In case of reactivity hazard: consider evacuation.

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Prevent soil and water pollution. Prevent spreading in sewers.

6.3. Methods and material for containment and cleaning up

- For containment : Contain released product, collect/pump into suitable containers. Consult "Material-handling" to select material of containers. Plug the leak, cut off the supply. Dam up the liquid spill. Try to reduce evaporation. Dilute toxic gases/vapours with water spray. Take account of toxic/corrosive precipitation water. Hazardous reaction: measure explosive gas-air mixture. Reaction: dilute combustible gas/vapour with water curtain.
- Methods for cleaning up : Take up liquid spill into inert absorbent material, e.g.: sand/earth. Scoop absorbed substance into closing containers. See "Material-handling" for suitable container materials. Neutralize leftovers with slaked lime or soda ash. Carefully collect the spill/leftovers. Damaged/cooled

tanks must be emptied. Clean contaminated surfaces with an excess of water. Take collected spill to manufacturer/competent authority. Wash clothing and equipment after handling.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Comply with the legal requirements. Remove contaminated clothing immediately. Clean contaminated clothing. Keep the substance free from contamination. Use corrosionproof equipment. Thoroughly clean/dry the installation before use. Do not discharge the waste into the drain. Keep away from naked flames/heat. Observe very strict hygiene - avoid contact. Keep container tightly closed. Measure the concentration in the air regularly. Carry operations in the open/under local exhaust/ventilation or with respiratory protection. 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 vapor.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Keep container closed when not in use.

Incompatible products : Strong bases. Do not mix with bleach or other chlorinated products - may generate dangerous chlorine gas.

Storage area : Store in a cool area. Keep out of direct sunlight. Store in a dark area. Store in a dry area. Keep locked up. Provide for a tub to collect spills. Keep only in the original container. Meet the legal requirements.

Special rules on packaging : SPECIAL REQUIREMENTS: closing. clean. correctly labelled. meet the legal requirements. Secure fragile packagings in solid containers.

Packaging materials : SUITABLE MATERIAL: stainless steel. synthetic material. steel with rubber inner lining.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

San-O2-Gard	
No additional information available	
peracetic acid ... % (79-21-0)	
USA - ACGIH - Occupational Exposure Limits	
ACGIH STEL (ppm)	0.4 ppm (Peracetic acid; USA; Short time value; TLV - Adopted Value; Inhalable fraction and vapor)
acetic acid (64-19-7)	
USA - ACGIH - Occupational Exposure Limits	
ACGIH TWA (ppm)	10 ppm (Acetic acid; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value)
ACGIH STEL (ppm)	15 ppm (Acetic acid; USA; Short time value; TLV - Adopted Value)
hydrogen peroxide solution ... % (7722-84-1)	
USA - ACGIH - Occupational Exposure Limits	
ACGIH TWA (ppm)	1 ppm (Hydrogen peroxide; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value)

8.2. Appropriate engineering controls

No additional information available

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:
Avoid all unnecessary exposure.
Hand protection:
Wear protective gloves

Eye protection:
Chemical goggles or face shield
Skin and body protection:
Wear suitable protective clothing
Respiratory protection:
Wear appropriate mask
Other information:
Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid
Appearance	Clear liquid.
Color	Colourless
Odor	Characteristic odour Acrid Vinegar odour
Odor threshold	No data available
pH	< 1
pH solution	2 - 4
Melting point	-26 °C
Freezing point	0 °C
Boiling point	100 °C
Flash point	83 °C
Relative evaporation rate (butyl acetate=1)	No data available
Flammability (solid, gas)	Combustible liquid. Heating may cause a fire.
Vapor pressure	No data available
Relative vapor density at 20 °C	No data available
Relative density	No data available
Specific gravity / density	1.1 g/ml
Solubility	Soluble in water. Water: 100 %
Log Pow	No data available
Auto-ignition temperature	> 270 °C

Decomposition temperature	> 55 °C
Viscosity, kinematic	No data available
Viscosity, dynamic	No data available
Explosion limits	No data available
Explosive properties	Heating may cause a fire.
Oxidizing properties	May intensify fire; oxidiser.

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Decomposes on exposure to temperature rise: release of toxic and corrosive gases/vapours. Decomposes on exposure to temperature rise: release of oxygen. On heating: release of oxygen. On heating/burning: release of (highly) toxic gases/vapours. Violent to explosive reaction on exposure to impurities with (some) metals. Violent to explosive reaction on exposure to some compounds with (strong) reducers, with organic material and with combustible materials with (increased) risk of fire/explosion. Reacts violently with (some) metals: release of highly flammable gases/vapours (hydrogen). Reacts violently with (some) bases and with (strong) reducers.

10.2. Chemical stability

Not established. Combustible liquid. May form flammable/explosive vapor-air mixture. Heating may cause a fire.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Open flame. Overheating. Heat. Sparks.

10.5. Incompatible materials

Strong acids. Strong bases. Do not mix with bleach or other chlorinated products - may generate dangerous chlorine gas. May be corrosive to metals.

10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide. May release flammable gases. Thermal decomposition generates : Corrosive vapors.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Harmful if swallowed.
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

San-O2-Gard	
LD50 oral rat	< 2000 mg/kg
LD50 dermal rabbit	> 200 mg/kg
LC50 inhalation rat (ppm)	> 200 ppm
ATE US (oral)	500 mg/kg body weight
peracetic acid ... % (79-21-0)	
LD50 oral rat	1656 mg/kg body weight (Aqueous solution; Rat; Other; Experimental value; 1993 mg/kg bodyweight; Aqueous solution; Rat; OECD 401: Acute Oral Toxicity; Experimental value; 1859 mg/kg bodyweight; Aqueous solution; Rat; OECD 401: Acute Oral Toxicity; Experimental value)
LD50 dermal rabbit	1040 mg/kg body weight (Aqueous solution; Rabbit; Experimental value; Other; 1280 mg/kg bodyweight; Aqueous solution; Rabbit; Experimental value; Other)

ATE US (oral)	1656 mg/kg body weight
ATE US (dermal)	1040 mg/kg body weight
acetic acid (64-19-7)	
LD50 oral rat	3310 mg/kg body weight (Rat; Other; Read-across)
ATE US (oral)	3310 mg/kg body weight
hydrogen peroxide solution ... % (7722-84-1)	
LD50 oral rat	1193 mg/kg body weight (15-35 % aqueous solution; Rat; OECD 401: Acute Oral Toxicity; Experimental value; 1270 mg/kg bodyweight; 15-35 % aqueous solution; Rat; OECD 401: Acute Oral Toxicity; Experimental value; 1026 mg/kg bodyweight; Aqueous solution; Rat; Experimental value; 694 mg/kg bodyweight; Aqueous solution; Rat; Experimental value)
LD50 dermal rabbit	> 2000 mg/kg body weight (15-35 % aqueous solution; Rabbit; Experimental value; Other)
ATE US (oral)	1193 mg/kg body weight

Skin corrosion/irritation : Causes severe skin burns and eye damage.

pH: < 1

Serious eye damage/irritation : Eye damage, category 1, implicit

pH: < 1

Respiratory or skin sensitization : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

San-O2-Gard	
IARC group	3 - Not classifiable
hydrogen peroxide solution ... % (7722-84-1)	
IARC group	3 - Not classifiable

Reproductive toxicity : Not classified

Specific target organ toxicity – single exposure : Not classified

Specific target organ toxicity – repeated exposure : Not classified

Aspiration hazard : Not classified

Viscosity, kinematic : No data available

Potential Adverse human health effects and symptoms : Based on available data, the classification criteria are not met. Harmful if swallowed.

Symptoms/injuries after inhalation : Coughing. Dry/sore throat. Irritation of the respiratory tract. Irritation of the nasal mucous membranes. FOLLOWING SYMPTOMS MAY APPEAR LATER: Respiratory difficulties. Risk of lung oedema.

Symptoms/injuries after skin contact : Caustic burns/corrosion of the skin.

Symptoms/injuries after eye contact : Corrosion of the eye tissue.

Symptoms/injuries after ingestion : Burns to the gastric/intestinal mucosa. Nausea. Abdominal pain. Blood in vomit. AFTER ABSORPTION OF HIGH QUANTITIES: Shock.

Chronic symptoms : ON CONTINUOUS/REPEATED EXPOSURE/CONTACT: Dry skin. Red skin.

SECTION 12: Ecological information

12.1. Toxicity

peracetic acid ... % (79-21-0)	
LC50 fish 1	1.1 mg/l (LC50; EPA OPP 72-1; 96 h; Lepomis macrochirus; Semi-static system; Fresh water; Experimental value)
EC50 Daphnia 1	0.73 mg/l (EC50; EPA OPP 72-2; 48 h; Daphnia magna; Static system; Fresh water; Experimental value)

Threshold limit algae 1	0.16 mg/l (EC50; EPA OPP 123-3: Algal Toxicity (Tiers I and II); 72 h; Pseudokirchneriella subcapitata; Static system; Fresh water; Experimental value)
hydrogen peroxide solution ... % (7722-84-1)	
LC50 fish 2	164 mg/l (LC50; US EPA; 96 h; Pimephales promelas; Semi-static system; Fresh water; Experimental value)
EC50 Daphnia 2	24 mg/l (LC50; US EPA; 48 h; Daphnia pulex; Semi-static system; Fresh water; Experimental value)

12.2. Persistence and degradability

San-O2-Gard	
Persistence and degradability	Not established.
peracetic acid ... % (79-21-0)	
Persistence and degradability	Readily biodegradable in water. Low potential for adsorption in soil.
acetic acid (64-19-7)	
Persistence and degradability	Readily biodegradable in water. Biodegradable in the soil. Highly mobile in soil.
Biochemical oxygen demand (BOD)	0.6 - 0.74 g O ₂ /g substance
Chemical oxygen demand (COD)	1.03 g O ₂ /g substance
ThOD	1.07 g O ₂ /g substance
hydrogen peroxide solution ... % (7722-84-1)	
Persistence and degradability	Readily biodegradable in water. Readily biodegradable in the soil. No (test) data on mobility of the components available.

12.3. Bioaccumulative potential

San-O2-Gard	
Bioaccumulative potential	Not established.
peracetic acid ... % (79-21-0)	
Log Pow	-0.6 (Test data; EPA OPPTS 830.7560; 25 °C)
Bioaccumulative potential	Not established.
acetic acid (64-19-7)	
BCF fish 1	3.16 (BCF; Pisces)
Log Pow	-0.17 (Experimental value; 25 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
hydrogen peroxide solution ... % (7722-84-1)	
Bioaccumulative potential	Not bioaccumulative.

12.4. Mobility in soil

acetic acid (64-19-7)	
Surface tension	0.028 N/m (20 °C)
Log Koc	log Koc.0.06; QSAR
Ecology - soil	May be harmful to plant growth, blooming and fruit formation.

12.5. Other adverse effects

Other information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Disposal methods

Product/Packaging disposal recommendations	: Remove waste in accordance with local, state and/or national regulations. Remove for physico-chemical/biological treatment. Do not discharge into surface water. Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to ...
Additional information	: Handle empty containers with care because residual vapors are flammable. Hazardous waste due to potential risk of explosion.
Ecology - waste materials	: Avoid release to the environment.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Transport document description	: UN3109 Organic peroxide type F, liquid (Peracetic Acid, Hydrogen Peroxide), 5.2 (8), II
UN-No.(DOT)	: UN3109
Proper Shipping Name (DOT)	: Organic peroxide type F, liquid Peracetic Acid, Hydrogen Peroxide
Class (DOT)	: 5.2 - Class 5.2 - Organic Peroxide 49 CFR 173.128
Packing group (DOT)	: II - Medium Danger
Subsidiary risk (DOT)	: 8 - Class 8 - Corrosive material 49 CFR 173.136
Hazard labels (DOT)	: 5.2 - Organic peroxide 8 - Corrosive



DOT Packaging Non Bulk (49 CFR 173.xxx)	: 225
DOT Packaging Bulk (49 CFR 173.xxx)	: 225
DOT Symbols	: G - Identifies PSN requiring a technical name
DOT Special Provisions (49 CFR 172.102)	: A61 - a. When used for purposes such as sterilization, inner packagings of peroxyacetic acid, stabilized, classified as UN 3107 Organic peroxide type E, liquid or UN 3109 Organic peroxide type F, liquid may be fitted with a vent consisting of hydrophobic membrane, provided: (1) Each inner packaging contains not more than 70 mL; (2) The inner packaging is designed so that the vent is not immersed in liquid in any orientation; (3) Each inner packaging is enclosed in an intermediate rigid plastic packaging with a small opening to permit release of gas and contains a buffer that neutralizes the contents of the inner packaging in the event of leakage; (4) Intermediate packagings are packed in a fiberboard box (4G) outer packaging; (5) Each outer packaging contains not more than 1.4 L of liquid; and (6) The rate of oxygen release from the outer packaging does not exceed 15 mL per hour. b. Such packages must be transported on cargo aircraft only. The requirements of §§173.24(g)(1) and 173.27(c) do not apply. IP5 - IBCs must have a device to allow venting. The inlet to the venting device must be located in the vapor space of the IBC under maximum filling conditions.
DOT Packaging Exceptions (49 CFR 173.xxx)	: 152
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	: 10 L
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: 25 L
DOT Vessel Stowage Location	: D - The material must be stowed "on deck only" on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers or one passenger per each 3 m of overall vessel length, but the material is prohibited on passenger vessels in which the limiting number of passengers is exceeded.
DOT Vessel Stowage Other	: 12 - Keep as cool as reasonably practicable, 25 - Shade from radiant heat, 52 - Stow "separated from" acids, 53 - Stow "separated from" alkaline compounds
Emergency Response Guide (ERG) Number	: 145
Other information	: No supplementary information available.

Transportation of Dangerous Goods

Transport by sea

Not regulated

Air transport

Not regulated

SECTION 15: Regulatory information

15.1. US Federal regulations

acetic acid (64-19-7)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Not subject to reporting requirements of the United States SARA Section 313	
CERCLA RQ	5000 lb

15.2. International regulations

CANADA

EU-Regulations

National regulations

No additional information available

15.3. US State regulations

Component	State or local regulations
acetic acid(64-19-7)	U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List

SECTION 16: Other information

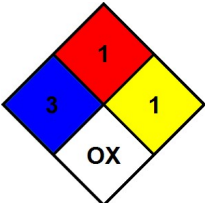
according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Other information : None.

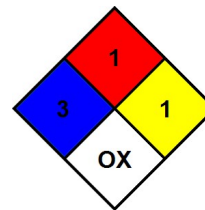
Full text of H-phrases:

H226	Flammable liquid and vapor
H227	Combustible liquid
H242	Heating may cause a fire
H290	May be corrosive to metals
H302	Harmful if swallowed
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage

NFPA health hazard	: 3 - Short exposure could cause serious temporary or residual injury even though prompt medical attention was given.
NFPA fire hazard	: 1 - Must be preheated before ignition can occur.
NFPA reactivity	: 1 - Normally stable, but can become unstable at elevated temperatures and pressures or may react with water with some release of energy, but not violently.
NFPA specific hazard	: OX - This denotes an oxidizer, a chemical which can greatly increase the rate of combustion/fire.



Hazard Rating	
Health	: 3 Serious Hazard - Major injury likely unless prompt action is taken and medical treatment is given
Flammability	: 1 Slight Hazard - Materials that must be preheated before ignition will occur. Includes liquids, solids and semi solids having a flash point above 200 F. (Class IIIB)
Physical	: 1 Slight Hazard - Materials that are normally stable but can become unstable (self-react) at high temperatures and pressures. Materials may react non-violently with water or undergo hazardous polymerization in the absence of inhibitors.
Personal Protection	: H H - Splash goggles, Gloves, Synthetic apron, Vapor respirator



SDS US (GHS HazCom 2012)

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