# HACH ® Be Right™

# SAFETY DATA SHEET

Issue Date 18-Jan-2023 Revision Date 02-Feb-2023 Version 1

# 1. Identification

Product identifier

Product Name Alkali Solution for Calcium and Magnesium Test

Other means of identification

Product Code(s) 2241749

UN/ID no UN1824

Detailed information about the manufacturer, supplier, and/or importer

#### **Manufacturer Address**

Hach Company, P.O.Box 389, Loveland, CO 80539, USA, +1(970) 669-3050

Recommended use of the chemical and restrictions on use

Recommended Use Water Analysis, Buffer

Restrictions on use No information available

Emergency telephone number

+1(303) 623-5716 - 24 Hour Service

# 2. Hazard(s) identification

## Classification of the substance or mixture

Corrosive to metals	Category 1
Skin corrosion/irritation	Category 1
Serious eye damage/eye irritation	Category 1

## **Label elements**

Signal word Danger

## **Hazard statements**

H290 - May be corrosive to metals

H314 - Causes severe skin burns and eye damage

# **Precautionary statements**

P260 - Do not breathe dust/fume/gas/mist/vapors/spray

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): 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 POISON CENTER or doctor

P363 - Wash contaminated clothing before reuse

P405 - Store locked up

P501 - Dispose of contents/ container to an approved waste disposal plant

P234 - Keep only in original container

P390 - Absorb spillage to prevent material damage



#### Other hazards which do not result in classification

Harmful to aquatic life.

# 3. Composition/information on ingredients

## **Substance**

Not applicable

## **Mixture**

Product Code(s)

2241749

Chemical name	CAS No	Weight-%
Sodium hydroxide	1310-73-2	20 - 30%
Triethanolamine	102-71-6	10 - 20%

# 4. First-aid measures

## Description of necessary first aid measures

**General advice** Show this safety data sheet to the doctor in attendance. Immediate medical attention is

required.

**Inhalation** Remove to fresh air. If breathing has stopped, give artificial respiration. Get medical

attention immediately. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. If breathing is difficult, (trained personnel should) give oxygen. Delayed pulmonary edema may occur. Get immediate medical

attention.

Skin contact Wash off immediately with soap and plenty of water while removing all contaminated clothes

and shoes. Get immediate medical attention.

**Eye contact** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open

while rinsing. Do not rub affected area. Get immediate medical attention.

Ingestion Rinse mouth. Never give anything by mouth to an unconscious person. Do NOT induce

vomiting. Get immediate medical attention.

For emergency responders

Self-protection of the first aider Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8).

Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Avoid direct contact with skin. Use

barrier to give mouth-to-mouth resuscitation.

Most important symptoms/effects, acute and delayed

**Symptoms** Burning sensation.

Indication of immediate medical attention and special treatment needed, if necessary

Possible perforation of stomach or esophagus should be investigated. Do not give chemical antidotes. Asphyxia from glottal edema may occur. Marked decrease in blood

pressure may occur with moist rales, frothy sputum, and high pulse pressure.

5. Fire-fighting measures

surrounding environment.

Large Fire CAUTION: Use of water spray when fighting fire may be inefficient.

**Unsuitable extinguishing media** Do not scatter spilled material with high pressure water streams.

Specific hazards arising from the The produ

chemical

The product causes burns of eyes, skin and mucous membranes. Thermal decomposition

can lead to release of irritating gases and vapors.

Hazardous combustion products This material will not burn. Carbon monoxide, Carbon dioxide. Nitrogen oxides.

Special protective actions for

fire-fighters

Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear.

## 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal

protective equipment as required. Attention! Corrosive material. Evacuate personnel to safe

areas. Keep people away from and upwind of spill/leak.

Methods and material for containment and cleaning up

Methods for cleaning up Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder,

sawdust). Take up mechanically, placing in appropriate containers for disposal.

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Other information** Refer to protective measures listed in Sections 7 and 8.

Environmental precautions

**Environmental precautions** Prevent further leakage or spillage if safe to do so. Should not be released into the

environment. Do not allow to enter into soil/subsoil. Prevent product from entering drains.

7. Handling and storage

Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice. Avoid contact with

skin, eyes or clothing. In case of insufficient ventilation, wear suitable respiratory equipment. Handle product only in closed system or provide appropriate exhaust ventilation. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before

reuse.

General hygiene considerations

Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Regular cleaning of equipment, work area and clothing is recommended. Avoid contact with skin, eyes or clothing. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Contaminated work clothing should not be allowed out of the workplace. Wash hands before breaks and immediately after handling the product.

## Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from

moisture. Store locked up. Keep out of the reach of children. Store away from other

materials.

**Incompatible materials** Oxidizing agent. Acids. Bases.

# 8. Exposure controls/personal protection

## Control parameters

## Occupational exposure limits

Chemical name	ACGIH TLV	Philippines
Sodium hydroxide 1310-73-2	Ceiling: 2 mg/m <sup>3</sup>	TWA: 2 mg/m <sup>3</sup>
Triethanolamine 102-71-6	TWA: 5 mg/m <sup>3</sup>	-

Biological occupational exposure

limits

This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies

## Appropriate engineering controls

Engineering controls

Showers

Eyewash stations Ventilation systems.

## Individual protection measures, such as personal protective equipment

**Eye/face protection** Tight sealing safety goggles. Face protection shield.

**Skin and body protection** Wear suitable protective clothing. Long sleeved clothing. Chemical resistant apron.

**Hand protection** Gloves must be inspected prior to use. The selected protective gloves have to satisfy the

specifications of EU Directive 2016/425 and the standard EN 374 derived from it. Chemical resistant gloves made of butyl rubber or nitrile rubber category III according to EN

374-1:2016. Wear suitable gloves. Impervious gloves.

Gloves							
Duration of contact PPE - Glove material Glove thickness Break through time							
Short term	Wear protective nitrile rubber gloves	0,20 mm	>30 minutes				
Long term (repeated)	Wear protective Viton™ gloves	0,70 mm	>480 minutes				

## **Respiratory protection**

No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

## General hygiene considerations

Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Regular cleaning of equipment, work area and clothing is recommended. Avoid contact with skin, eyes or clothing. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Contaminated work clothing should not be allowed out of the workplace. Wash hands before breaks and immediately after handling the product.

# 9. Physical and chemical properties

Information on basic physical and chemical properties

**Appearance** aqueous solution

Physical state Liquid Odor Ammonia

ColorColorless to light yellowOdor thresholdNo data available

<u>Property</u> <u>Values</u> <u>Remarks • Method</u>

Molecular weight No data available

pH 13 @ 20 °C

Melting point / freezing point  $\sim$  -31 °C / -23.8 °F

Initial boiling point and boiling range 97 °C / 206.6 °F

**Evaporation rate** 0.36 (water = 1)

**Vapor pressure** 19.802 mm Hg / 2.64 kPa at 25 °C / 77 °F

Relative vapor density 0.76

Specific Gravity 1.258

Partition coefficient Not applicable

Soil Organic Carbon-Water Partition

Coefficient

Not applicable

Autoignition temperature No data available

**Decomposition temperature**No data available

Dynamic viscosity No data available

Kinematic viscosity No data available

Solubility(ies)

Water solubility

Water solubility classification	Water solubility_	Water Solubility Temperature_
Soluble	> 1000 mg/L	25 °C / 77 °F

## Solubility in other solvents

None reported	No information available	No data available	No information available

## Other information

**Metal Corrosivity** 

Classified as corrosive to metal according to GHS criteria

Steel Corrosion Rate 3.05 mm/yr / 0.12 in/yr

Aluminum Corrosion Rate 10160 mm/yr / 400 in/yr

**Volatile Organic Compounds (VOC) Content** 

Chemical name	CAS No	Volatile organic compounds (VOC) content	CAA (Clean Air Act)
Sodium hydroxide	1310-73-2	No data available	-
Triethanolamine	102-71-6	No data available	Χ

**Explosive properties** 

Upper explosion limitNo data availableLower explosion limitNo data available

Flammable properties

Flash point No data available

Flammability Limit in Air

Upper flammability limit:No data availableLower flammability limit:No data available

Oxidizing properties No data available.

Other information

VOC content 15.72

Bulk density No information available

# 10. Stability and reactivity

**Reactivity** Corrosive to metal.

**Stability** Stable under normal conditions.

Possibility of hazardous reactions 
None under normal processing.

**Conditions to avoid** Exposure to air or moisture over prolonged periods.

**Incompatible materials** Oxidizing agent. Acids. Bases.

Hazardous Decomposition Products Thermal decomposition can lead to release of irritating and toxic gases and vapors.

# 11. Toxicological information

## Information on likely routes of exposure

## **Product Information**

Inhalation Corrosive by inhalation. Inhalation of corrosive fumes/gases may cause coughing, choking,

headache, dizziness, and weakness for several hours. Pulmonary edema may occur with tightness in the chest, shortness of breath, bluish skin, decreased blood pressure, and increased heart rate. Inhaled corrosive substances can lead to a toxic edema of the lungs.

Pulmonary edema can be fatal.

Eye contact Causes serious eye damage. Corrosive to the eyes and may cause severe damage

including blindness. May cause irreversible damage to eyes.

**Skin contact** Corrosive. Causes burns. Causes severe burns. Avoid contact with skin and clothing.

Ingestion

Causes burns. Ingestion causes burns of the upper digestive and respiratory tracts. May cause severe burning pain in the mouth and stomach with vomiting and diarrhea of dark blood. Blood pressure may decrease. Brownish or yellowish stains may be seen around the mouth. Swelling of the throat may cause shortness of breath and choking. May cause lung damage if swallowed. May be fatal if swallowed and enters airways.

#### Symptoms related to the physical, chemical and toxicological characteristics

**Symptoms** 

Redness. Burning. May cause blindness. Coughing and/ or wheezing.

Acute toxicity

**Numerical measures of toxicity** 

**Substance** 

Test data reported below.

**Oral Exposure Route** 

Chemical name	Endpoint type	Reported dose	Exposure time	Toxicological effects	Key literature references and sources for data
Triethanolamine (10 - 20%)	LD <sub>50</sub> Rat	4190 mg/kg	None reported	None reported	LOLI
CAS#: 102-71-6					

	Chemical name	Endpoint type	Reported dose	Exposure time	Toxicological effects	Key literature references and sources for data
	Triethanolamine (10 - 20%)	LD <sub>50</sub> Rabbit	> 20000 mg/kg	14 days	None reported	ECHA LOLI
1	CAS#: 102-71-6					

## Delayed and immediate effects as well as chronic effects from short and long-term exposure

## Skin corrosion/irritation

Causes severe burns.

Mixture

No data available.

**Substance** 

Test data reported below.

Chemical name	Test method	Species	Reported dose	Exposure time	Results	Key literature references and sources for data
Sodium hydroxide (20 - 30%) CAS#: 1310-73-2	Patch test	Human	20 mg	24 hours	Corrosive to skin	RTECS

## Serious eye damage/eye irritation

Classification based on data available for ingredients. Causes serious eye damage. Causes burns.

**Mixture** 

No data available.

**Substance** 

Test data reported below.

Chemical name	Test method	Species	Reported dose	Exposure time	Results	Key literature references and sources for data
Sodium hydroxide (20 - 30%) CAS#: 1310-73-2	Standard Draize Test	Rabbit	0.05 mg	24 hours	Corrosive to eyes	RTECS

## Respiratory or skin sensitization

Test

Based on available data, the classification criteria are not met.

**Mixture** 

No data available.

**Substance** 

No data available.

Chemical name	Test method	Species	Results	Key literature references and sources for data
Triethanolamine (10 - 20%) CAS#: 102-71-6	OECD Test No. 406: Skin Sensitization	Guinea pig	Not confirmed to be a skin sensitizer	

**Germ cell mutagenicity** 

Based on available data, the classification criteria are not met.

**Mixture** invitro **Data** No data available.

Substance invitro Data

Test data reported below.

Chemical name	Test	Cell Strain	Reported dose	Exposure time	Results	Key literature references and sources for data
Triethanolamine (10 - 20%) CAS#: 102-71-6	Cytogenetic analysis	Human lymphocyte	0.1 mmol/L	None reported	Positive test result for mutagenicity	RTECS

Mixture invivo Data

No data available.

Substance invivo Data

No data available.

Carcinogenicity

Based on available data, the classification criteria are not met.

**Mixture** 

No data available.

**Substance** 

No data available.

Chemical name	CAS No	ACGIH	IARC	NTP	OSHA
Sodium hydroxide	1310-73-2	-	-	-	-
Triethanolamine	102-71-6	-	Group 3	-	-

## Legend

ACGIH (American Conference of Governmental Industrial Hygienists)	Does not apply
IARC (International Agency for Research on Cancer)	Group 3 - Not classifiable as a human
	carcinogen
NTP (National Toxicology Program)	Does not apply
OSHA	Does not apply

Chemical name	Endpoint type	Reported dose	Exposure time	Toxicological effects	Key literature references and sources for data
Triethanolamine (CAS #: 102-71-6)	Rat	250 mg/kg	2 years	Gain in kidney weight	ECHA

## Reproductive toxicity

Based on available data, the classification criteria are not met.

**Mixture** 

No data available.

Substance

Test data reported below.

# **Oral Exposure Route**

Chemical name	Endpoint type	Reported dose	Exposure time	Toxicological effects	Key literature references and sources for data
Triethanolamine (10 - 20%) CAS#: 102-71-6	Mouse LD∟₀	16000 mg/kg	64 weeks	None reported	No information available

STOT - single exposure

Based on available data, the classification criteria are not met.

**Mixture** 

No data available.

**Substance** 

No data available.

STOT - repeated exposure

Based on available data, the classification criteria are not met.

**Mixture** 

No data available.

**Substance** 

No data available

ino data avallable.					
Chemical name	Endpoint type	Reported dose	Exposure time	Toxicological effects	Key literature references and sources for data
Triethanolamine (10 - 20%) CAS#: 102-71-6	Rat NOAEL	1000 mg/kg	91 days	Weight gain	ECHA
Chemical name	Endpoint type	Reported dose	Exposure time	Toxicological effects	Key literature references and sources for data
Triethanolamine (10 - 20%)	NOAEL Rat	125 mg/kg	90 days	Weight gain	ECHA

**Aspiration hazard** 

Based on available data, the classification criteria are not met.

# 12. Ecological information

**Ecotoxicity** Harmful to aquatic life.

Unknown aquatic toxicity 0.01 % of the mixture consists of component(s) of unknown hazards to the aquatic

environment

**Mixture** 

Aquatic Acute Toxicity
No data available.
Aquatic Chronic Toxicity
No data available.

**Substance** 

Aquatic Acute Toxicity
Test data reported below.

Fish

Chemical name	Exposure time	Species	Endpoint type	Reported dose	Key literature references and sources for data
Sodium hydroxide (20 - 30%) CAS#: 1310-73-2	96 hours	Oncorhynchus mykiss	LC50	45.4 mg/L	IUCLID
Triethanolamine (10 - 20%) CAS#: 102-71-6	96 hours	Lepomis macrochirus	LC50	450 mg/L	IUCLID

## Crustacea

Chemical name	Exposure time	Species	Endpoint type	Reported dose	Key literature references and sources for data
Sodium hydroxide (20 - 30%) CAS#: 1310-73-2	48 Hours	Daphnia sp.	EC50	40.4 mg/L	IUCLID

**Aquatic Chronic Toxicity** 

No data available.

Persistence and degradability

Mixture

No data available. **Bioaccumulation** 

**Mixture** 

No data available.

Partition coefficient Not applicable

**Mobility** 

Soil Organic Carbon-Water Partition Coefficient Not applicable

Other adverse effects

No information available.

# 13. Disposal considerations

Disposal methods

Waste from residues/unused

products

Dispose of waste in accordance with environmental legislation.

**Contaminated packaging** Do not reuse empty containers.

# 14. Transport information

**Note:** No special precautions necessary.

**IMDG** 

**UN number or ID number** UN1824

Proper shipping name Sodium Hydroxide Solution

Transport hazard class(es) 8
Packing Group | |

**IATA** 

UN number or ID number UN1824

Proper shipping name Sodium Hydroxide Solution

Transport hazard class(es) 8
Packing group II
ERG Code 154

<u>ADR</u>

UN number or ID number UN1824

Proper shipping name Sodium Hydroxide Solution

Transport hazard class(es) 8
Packing Group | |

DOT

UN/ID no UN1824

Proper shipping name Sodium Hydroxide Solution

Transport hazard class(es) 8
Packing Group || |
Emergency Response Guide 154

Number

## **Additional information**

There is a possibility that this product could be contained in a reagent set or kit composed of various compatible dangerous goods. If the item is not in a reagent set or kit, the classification given above applies.

If the item is part of a reagent set or kit the classification would change to the following:

UN3316 Chemical Kit. Hazard Class 9. Packing Group II or III.

If the item is not regulated, the Chemical Kit classification does not apply.

# 15. Regulatory information

## Regulatory information

National regulations

Chemical Control Order and Priority Chemical List Not applicable

## International Regulations

The Montreal Protocol on Substances that Deplete the Ozone Layer Not applicable

The Stockholm Convention on Persistent Organic Pollutants Not applicable

The Rotterdam Convention Not applicable

**International Inventories** 

**PICCS** Complies. Complies. **TSCA** Complies. **DSL/NDSL** Complies. **EINECS/ELINCS** Complies. **ENCS IECSC** Complies. Complies. **KECL - Existing substances AICS** Complies.

NZIoC Contact supplier for inventory compliance status.

PICCS - Philippines Inventory of Chemicals and Chemical Substances

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

NZIoC - New Zealand Inventory of Chemicals

## 16. Other information

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Prepared By Hach Product Compliance Department

Key or legend to abbreviations and acronyms used in the safety data sheet

ACGIH ACGIH (American Conference of Governmental Industrial Hygienists)

IMDG International Maritime Dangerous Goods (IMDG)
IATA International Air Transport Association (IATA)

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

## 2241749 - Alkali Solution for Calcium and Magnesium Test

**ATSDR** Agency for Toxic Substances and Disease Registry (ATSDR) CHEMVIEW not translate code U.S. Environmental Protection Agency ChemView Database

FFSA not translate code European Food Safety Authority (EFSA) EPA not translate code EPA (Environmental Protection Agency) EPA AEGL not translate code Acute Exposure Guideline Level(s) (AEGL(s))

EPA FIFRA not translate code U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act

EPA HPV not translate code U.S. Environmental Protection Agency High Production Volume Chemicals

FOOD JOURN not translate code Food Research Journal

HSDB not translate code Hazardous Substance Database

IUCLID not translate code International Uniform Chemical Information Database (IUCLID)

JAPAN\_GHS not translate code National Institute of Technology and Evaluation (NITE)

NICNAS not translate code Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)

NIOSH not translate code NIOSH (National Institute for Occupational Safety and Health) NLM\_CIP not translate code National Library of Medicine's ChemID Plus (NLM CIP)

NLM PUBMED not translate code National Library of Medicine's PubMed database (NLM PUBMED)

National Toxicology Program (NTP) NTP not translate code

NZ CCID not translate code New Zealand's Chemical Classification and Information Database (CCID)

OECD\_EHSP not translate code Organization for Economic Co-operation and Development Environment, Health, and Safety

**Publications** 

OECD\_HPV not translate code Organization for Economic Co-operation and Development High Production Volume

Chemicals Program

OECD\_SIDS not translate code Organization for Economic Co-operation and Development Screening Information Data Set

WHO not translate code World Health Organization

ACGIH (American Conference of Governmental Industrial Hygienists) ACGIH **ATSDR** ATSDR (Agency for Toxic Substances and Disease Registry) **CCRIS** CCRIS (Chemical Carcinogenesis Research Information System)

CDC CDC (Center for Disease Control)

**CEPA** CEPA (Canadian Environmental Protection Agency)

CICAD CICAD (Concise International Chemical Assessment Documents)

ECHA (The European Chemicals Agency) **ECHA** EEA EEA (European Environment Agency) **FPA** EPA (Environmental Protection Agency)

**ERMA** ERMA (New Zealands Environmental Risk Management Authority)

**ECOSARS** Estimation through ECOSARS v1.11 part of the Estimation Programs Interface (EPI) Suite™

FDA FDA (Food & Drug Administration)

**GESTIS** GESTIS (Information System on Hazardous Substances of the German Social Accident

Insurance)

**HSDB** HSDB (Hazardous Substances Data Bank)

**INERIS** INERIS (The National Industrial Environment and Risks Institute) **IPCS INCHEM** IPCS INCHEM (International Programme on Chemical Safety) IUCLID (The International Uniform Chemical Information Database) **IUCLID** Japan National Institute of Technology and Evaluation (NITE) NITE

NIH (National Institutes of Health) NIH

NIOSH NIOSH (National Institute for Occupational Safety and Health) LOLI LOLI (List of Lists - An International Chemical Regulatory Database)

**NDF** 

**NICNAS** Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)

NIOSH IDLH Immediately Dangerous to Life or Health

**OSHA** OSHA (Occupational Safety and Health Administration of the US Department of Labor)

**PEEN** PEEN (Pan European Ecological Network)

RTECS (Registry of Toxic Effects of Chemical Substances) **RTECS** SIDS (Screening Information Dataset) for High Volume Chemicals SIDS

**SYKE** The Finnish Environment Institute (SYKE) USDA (United States Department of Agriculture) USDA **USDC** USDC (United States Department of Commerce)

WHO WHO (World Health Organization)

#### Legend - Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**TWA** TWA (time-weighted average) STEL STEL (Short Term Exposure Limit)

MAC Maximum Allowable Concentration Ceiling Limit Value Ceiling

Χ These values have no official status. The only Listed Vacated binding levels of contaminants are those listed in the final OSHA PEL. These lists are for reference purposes only. Please note that some reference state regulations of these "liberated" exposure limits in their state regulations. SKN\* Skin designation SKN+ Skin sensitization Hazard Designation Respiratory sensitization RSP+ Reproductive toxicant Carcinogen R С Μ mutagen

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## **Disclaimer**

USER RESPONSIBILITY: Each user should read and understand this information and incorporate it in individual site safety programs in accordance with applicable hazard communication standards and regulations.

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**End of Safety Data Sheet**