



**Be Right™**

# SAFETY DATA SHEET

Issue Date 20-Jun-2016

Revision Date 06-Jul-2016

Version 2

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## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### Product identifier

**Product Name** Molybdate 3 Reagent for Silica  
**Safety data sheet number** M00187

### Other means of identification

**Product Code(s)** 199503  
**UN/ID no** UN3264

**Component of Kits or Sets** 001-H00282.88; 2824400; 2824400K; 4562700K; 6000000; 6000000K; 6000001;  
6000001K; 6000001S-5024; 6000002

### Manufacturer Address

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

### Emergency Telephone

(303) 623-5716 - 24 Hour Service (515)232-2533 - 8am - 4pm CST

### Product Information

**Chemical Name** Not applicable  
**Formula** Not applicable  
**CAS No** Not applicable  
**Alternate CAS Number** Not applicable

## 2. HAZARDS IDENTIFICATION

### GHS - Classification

Corrosive to metals	Category 1
Skin corrosion/irritation	Category 1
Serious eye damage/eye irritation	Category 1
Specific target organ toxicity (repeated exposure)	Category 2

### Label elements



**Signal word** - Danger

**Hazard statements**

H290 - May be corrosive to metals  
H314 - Causes severe skin burns and eye damage  
H372 - Causes damage to organs through prolonged or repeated exposure

**Precautionary statements**

P260 - Do not breathe dust/fume/gas/mist/vapors/spray  
P264 - Wash face, hands and any exposed skin thoroughly after handling  
P280 - Wear protective gloves/protective clothing/eye protection/face protection  
P234 - Keep only in original container  
P310 - Immediately call a POISON CENTER or doctor  
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  
P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower  
P301 + P330 + P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting  
P390 - Absorb spillage to prevent material damage  
P405 - Store locked up  
P406 - Store in corrosive resistant stainless steel container with a resistant inliner  
P501 - Dispose of contents/ container to an approved waste disposal plant

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Substance**

Not applicable

**Mixture**

Chemical Name	CAS No	EC No	Percent Range
Demineralized Water	7732-18-5	-	60 - 70%
Sulfuric Acid	7664-93-9	231-639-5	10 - 20%
Sodium Bisulfate	7681-38-1	231-665-7	10 - 20%
Molybdic Acid	7782-91-4	231-970-5	0 - 10%

### 4. FIRST AID MEASURES

**Description of first aid measures**

**General advice**

IF IN EYES: Flush eyes for at least 15 minutes.

<b>Eye contact</b>	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
<b>Skin contact</b>	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Call a physician immediately.
<b>Inhalation</b>	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a physician immediately.
<b>Ingestion</b>	IF SWALLOWED: Rinse Mouth. Do NOT induce vomiting. Call a physician immediately.
<b>Self-protection of the first aider</b>	Use personal protective equipment as required. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

**Most important symptoms and effects, both acute and delayed**

**Symptoms** See Section 11: TOXICOLOGICAL INFORMATION.

**Indication of any immediate medical attention and special treatment needed**

**Note to physicians** Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

**Fire-fighting Measures**

**Flammable properties**

During a fire, irritating and highly toxic gases may be generated by thermal decomposition.

**Explosive properties**

Not classified according to GHS criteria.

**Suitable Extinguishing Media**

Water. Dry chemical. Carbon dioxide.

**Unsuitable extinguishing media**

Caution: Use of water spray when fighting fire may be inefficient.

**Specific hazards arising from the chemical**

The product causes burns of eyes, skin and mucous membranes. Thermal decomposition can lead to release of irritating and toxic gases and vapors. In the event of fire and/or explosion do not breathe fumes.

**Hazardous combustion products** Sulfur oxides. Sodium oxides.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions</b>	Evacuate personnel to safe areas. Remove all sources of ignition. Do not touch or walk through spilled material. Ventilate affected area. Use personal protective equipment as required.
<b>Environmental precautions</b>	Avoid release to the environment. See Section 12 for additional ecological information.
<b>Methods for containment</b>	Prevent further leakage or spillage if safe to do so. Dike far ahead of liquid spill for later disposal.
<b>Methods for cleaning up</b>	Take necessary precautions in observance of pertinent physical hazards. Neutralize spill if necessary. Soak up with inert absorbent material. Take up mechanically, placing in

appropriate containers for disposal. Clean contaminated surface thoroughly. Dispose of in accordance with local, state and federal regulations or laws.

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Advice on safe handling** Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Do not breathe dust/fume/gas/mist/vapors/spray.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers. Keep/store only in original container.

**Flammability class** Class IIIB

**Incompatible materials** Incompatible with strong acids and bases. Incompatible with oxidizing agents.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Guidelines

Chemical Name	OSHA PEL	ACGIH TLV	NIOSH IDLH	Indonesia	Indonesia STELs	Philippines	Philippines Carcinogen	India
Sulfuric Acid (10 - 20%) CAS#: 7664-93-9	TWA: 1 mg/m <sup>3</sup> (vacated) TWA: 1 mg/m <sup>3</sup>	TWA: 0.2 mg/m <sup>3</sup>	IDLH: 15 mg/m <sup>3</sup> TWA: 1 mg/m <sup>3</sup>	NDF	NDF	TWA: 1 mg/m <sup>3</sup>	NDF	TWA: 1 mg/m <sup>3</sup>
Molybdic Acid (0 - 10%) CAS#: 7782-91-4	TWA: 5 mg/m <sup>3</sup> (vacated) TWA: 5 mg/m <sup>3</sup>	TWA: 0.5 mg/m <sup>3</sup>	IDLH: 1000 mg/m <sup>3</sup> Mo	TWA: 10 mg/m <sup>3</sup>	NDF	TWA: 5 mg/m <sup>3</sup>	NDF	NDF

**Legend** See section 16 for terms and abbreviations

**Other Information** Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

**Engineering Controls** Eyewash stations.

### Personal Protective Equipment

#### **Eye/face protection**

Tight sealing safety goggles. Face protection shield. Avoid contact with eyes. Wear tight sealing safety goggles and/or face protection shield.

#### **Skin and body protection**

Gloves made of plastic or rubber. Rubber boots. Suitable protective clothing. Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact. Wear chemical resistant clothing such as gloves, apron, boots or whole bodysuits made from neoprene, as appropriate.

#### **Respiratory protection**

Ensure adequate ventilation, especially in confined areas. Do not breathe gas/fumes/vapor/spray. If no local exhaust use approved fume hood and/or respirator. In case of inadequate ventilation wear respiratory protection.

### **General Hygiene Considerations**

Avoid breathing (dust, vapor, mist, gas). Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.

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Wear suitable gloves and eye/face protection. Wash face, hands and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Keep away from food, drink and animal feeding stuffs. Regular cleaning of equipment, work area and clothing is recommended. Handle in accordance with good industrial hygiene and safety practice. Avoid prolonged or repeated contact with skin. Take off all contaminated clothing and wash it before reuse.

**Environmental exposure controls** Prevent product from entering drains. Local authorities should be advised if significant spillages cannot be contained.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

**Physical state** Liquid

**Gas Under Pressure** Not classified according to GHS criteria

**Appearance** aqueous solution

**Color** Colorless to light yellow

**Odor** Not determined

**Odor threshold** No data available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>Molecular weight</b>	No data available	
<b>pH</b>	< 0.5	
<b>Melting point/freezing point</b>	~ -13 °C / 9 °F	Estimation based on theoretical calculation
<b>Boiling point / boiling range</b>	~ 100 °C / 212 °F	Estimation based on theoretical calculation
<b>Evaporation rate</b>	1.17 (water = 1)	Estimation based on theoretical calculation
<b>Vapor pressure</b>	22.127 mm Hg / 2.95 kPa at 25 °C / 77 °F	Estimation based on theoretical calculation
<b>Vapor density (air = 1)</b>	0.03 (air = 1)	
<b>Specific gravity (water = 1 / air = 1)</b>	1.2	
<b>Partition Coefficient (n-octanol/water)</b>	Not applicable	
<b>Soil Organic Carbon-Water Partition Coefficient</b>	Not applicable	
<b>Autoignition temperature</b>	No data available	
<b>Decomposition temperature</b>	No data available	
<b>Dynamic viscosity</b>	No data available	
<b>Kinematic viscosity</b>	No data available	

### Solubility(ies)

**Water solubility**

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<u>Water solubility classification</u>	<u>Water solubility</u>	<u>Water Solubility Temperature</u>
Soluble	> 1000 mg/L	25 °C / 77 °F

#### Solubility in other solvents

<u>Chemical Name</u>	<u>Solubility classification</u>	<u>Solubility</u>	<u>Solubility Temperature</u>
Acid	Soluble	> 1000 mg/L	25 °C / 77 °F

#### Other Information

##### Metal Corrosivity

Classified as corrosive to metal according to GHS criteria

GHS Metal Corrosivity Classification Category 1, H290

##### Steel Corrosion Rate

151.6 mm/yr / 5.97 in/yr

##### Aluminum Corrosion Rate

##### Bulk density

Not applicable

##### Explosive properties

Not classified according to GHS criteria.

##### Explosion data

No data available

##### Upper explosion limit

No data available

##### Lower explosion limit

No data available

##### Flammable properties

During a fire, irritating and highly toxic gases may be generated by thermal decomposition.

##### Flammability Limit in Air

##### Upper flammability limit:

No data available

##### Lower flammability limit:

No data available

##### Flash point

> 100 °C / 212 °F

##### Method

CC (closed cup)

##### Oxidizing properties

Not classified according to GHS criteria.

##### Reactivity properties

Not classified as self-reactive, pyrophoric, self-heating or emitting flammable gases in contact with water according to GHS criteria.

## 10. STABILITY AND REACTIVITY

##### Reactivity properties

Not classified as self-reactive, pyrophoric, self-heating or emitting flammable gases in contact with water according to GHS criteria.

##### Stability

Stable under normal conditions.

##### Special dangers of the product

None reported.

##### Conditions to avoid

Extreme temperatures. Heating to decomposition. Exposure to air or moisture over prolonged periods.

##### Incompatible materials

Incompatible with strong acids and bases. Incompatible with oxidizing agents.

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

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**Possibility of Hazardous Reactions** None under normal processing

**Explosive properties**

Not classified according to GHS criteria.

**Upper explosion limit** No data available

**Lower explosion limit** No data available

**Autoignition temperature**

No data available

**Sensitivity to Static Discharge**

None reported

**Sensitivity to Mechanical Impact**

None reported

## 11. TOXICOLOGICAL INFORMATION

**Information on Likely Routes of Exposure**

<b>Product Information</b>	Corrosive to skin. Corrosive to eyes.
<b>Inhalation</b>	Causes burns.
<b>Eye contact</b>	Causes burns. Corrosive to eyes.
<b>Skin contact</b>	Causes burns.
<b>Ingestion</b>	Causes burns.
<b>Aggravated Medical Conditions</b>	Eye disorders. Skin disorders. Respiratory disorders.
<b>Toxicologically synergistic products</b>	None known.
<b>Toxicokinetics, metabolism and distribution</b>	See ingredients information below.

<b>Chemical Name</b>	<b>Toxicokinetics, metabolism and distribution</b>
Sulfuric Acid (10 - 20%) CAS#: 7664-93-9	The corrosivity of sulfuric acid makes it difficult to assess its effects on metabolism. Its corrosivity is also the main contributor to acute deaths, therefore it is not classified for acute toxicity.

**Product Acute Toxicity Data**

Test data reported below

**Oral Exposure Route**

<b>Endpoint type</b>	<b>Reported dose</b>
Rat LD <sub>50</sub>	7099 mg/kg

**Dermal Exposure Route**

No data available

**Inhalation (Dust/Mist) Exposure Route**

No data available

**Inhalation (Vapor) Exposure Route**

No data available

**Inhalation (Gas) Exposure Route**

No data available

The following values are calculated based on chapter 3.1 of the GHS document

<b>ATEmix (dermal)</b>	30,012.00 mg/kg
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**Ingredient Acute Toxicity Data**

**Oral Exposure Route**

<b>Chemical Name</b>	<b>Endpoint</b>	<b>Reported</b>	<b>Exposure</b>	<b>Toxicological effects</b>	<b>Key literature references and</b>
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	type	dose	time		sources for data
Sodium Bisulfate (10 - 20%) CAS#: 7681-38-1	Rat LD <sub>50</sub>	2490 mg/kg	None reported	None reported	IUCLID (The International Uniform Chemical Information Database)
Molybdic Acid (0 - 10%) CAS#: 7782-91-4	Rat LD <sub>50</sub>	2689 mg/kg	None reported	None reported	Vendor SDS

**Dermal Exposure Route**

Chemical Name	Endpoint type	Reported dose	Exposure time	Toxicological effects	Key literature references and sources for data
Molybdic Acid (0 - 10%) CAS#: 7782-91-4	Rat LD <sub>50</sub>	> 2000 mg/kg	None reported	None reported	IUCLID (The International Uniform Chemical Information Database)

**Inhalation (Dust/Mist) Exposure Route**

No data available

**Inhalation (Vapor) Exposure Route**

**Inhalation (Gas) Exposure Route**

No data available

**Product Skin Corrosion/Irritation Data**

No data available.

**Ingredient Skin Corrosion/Irritation Data**

Chemical Name	Test method	Species	Reported dose	Exposure time	Results	Key literature references and sources for data
Sulfuric Acid (10 - 20%) CAS#: 7664-93-9	Existing human experience	Human	None reported	None reported	Corrosive to skin	HSDB (Hazardous Substances Data Bank)

**Product Serious Eye Damage/Eye Irritation Data**

No data available.

**Ingredient Eye Damage/Eye Irritation Data**

Chemical Name	Test method	Species	Reported dose	Exposure time	Results	Key literature references and sources for data
Sulfuric Acid (10 - 20%) CAS#: 7664-93-9	Existing human experience	Human	None reported	None reported	Corrosive to eyes	HSDB (Hazardous Substances Data Bank)
Sodium Bisulfate (10 - 20%) CAS#: 7681-38-1	Standard Draize Test	Rabbit	100 mg	None reported	Corrosive to eyes	ECHA (The European Chemicals Agency)

**Sensitization Information**

**Product Sensitization Data**

**Skin Sensitization Exposure Route**

No data available.

**Respiratory Sensitization Exposure Route**

No data available.

**Ingredient Sensitization Data**



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**Skin Sensitization Exposure Route**

No data available.

**Respiratory Sensitization Exposure Route**

No data available.

**Chronic Toxicity Information**

**Product Repeat Dose Toxicity Data**

**Oral Exposure Route**

No data available.

**Dermal Exposure Route**

No data available.

**Inhalation (Dust/Mist) Exposure Route**

No data available.

**Inhalation (Vapor) Exposure Route**

No data available.

**Inhalation (Gas) Exposure Route**

No data available.

**Ingredient Repeat Dose Toxicity Data**

**Oral Exposure Route**

No data available

**Dermal Exposure Route**

No data available

**Inhalation (Dust/Mist) Exposure Route**

No data available

**Inhalation (Vapor) Exposure Route**

**Inhalation (Gas) Exposure Route**

No data available

Chemical Name	CAS No	ACGIH	IARC	NTP	OSHA
Sulfuric Acid	7664-93-9	A2	1	X	X
Sodium Bisulfate	7681-38-1	-	-	-	-
Molybdic Acid	7782-91-4	A3	-	-	-

**Legend**

<b>ACGIH (American Conference of Governmental Industrial Hygienists)</b>	A2 - Suspected Human Carcinogen A3 - Animal Carcinogen
<b>IARC (International Agency for Research on Cancer)</b>	Group 1 - Carcinogenic to Humans
<b>NTP (National Toxicology Program)</b>	Known - Known Carcinogen
<b>OSHA (Occupational Safety and Health Administration of the US Department of Labor)</b>	X - Present

**Product Carcinogenicity Data**

No data available

**Oral Exposure Route**

No data available

**Dermal Exposure Route**

No data available

**Inhalation (Dust/Mist) Exposure Route**

No data available

**Inhalation (Vapor) Exposure Route**

No data available

**Inhalation (Gas) Exposure Route**

No data available

**Ingredient Carcinogenicity Data**

**Oral Exposure Route**

No data available

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**Dermal Exposure Route**

No data available

**Inhalation (Dust/Mist) Exposure Route**

No data available

**Inhalation (Vapor) Exposure Route**

No data available

**Inhalation (Gas) Exposure Route**

No data available

**Product Germ Cell Mutagenicity *in vitro* Data**

No data available.

**Ingredient Germ Cell Mutagenicity *in vitro* Data**

Toxicological data for ingredients is not indicative of likely harm.

**Oral Exposure Route**

No data available

**Dermal Exposure Route**

No data available

**Inhalation (Dust/Mist) Exposure Route**

No data available

**Inhalation (Vapor) Exposure Route**

No data available

**Inhalation (Gas) Exposure Route**

No data available

**Ingredient Germ Cell Mutagenicity *in vivo* Data**

**Oral Exposure Route**

No data available

**Dermal Exposure Route**

No data available

**Inhalation (Dust/Mist) Exposure Route**

No data available

**Inhalation (Vapor) Exposure Route**

No data available

**Inhalation (Gas) Exposure Route**

No data available

**Oral Exposure Route**

No data available

**Dermal Exposure Route**

No data available

**Inhalation (Dust/Mist) Exposure Route**

No data available

**Inhalation (Vapor) Exposure Route**

No data available

**Inhalation (Gas) Exposure Route**

No data available

**Ingredient Reproductive Toxicity Data**

**Oral Exposure Route**

No data available

**Dermal Exposure Route**

No data available

**Inhalation (Dust/Mist) Exposure Route**

No data available

**Inhalation (Vapor) Exposure Route**

**Inhalation (Gas) Exposure Route**

No data available

## 12. ECOLOGICAL INFORMATION

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**Ecotoxicity**

Based on the classification principles, not classified as hazardous to the environment

**Unknown Aquatic Toxicity**

8.33% of the mixture consists of components(s) of unknown hazards to the aquatic environment

**Product Ecological Data**

**Aquatic toxicity**

**Fish**

No data available

**Crustacea**

No data available

**Algae**

No data available

**Terrestrial toxicity**

**Soil**

No data available

**Vertebrates**

No data available

**Invertebrates**

No data available

**Ingredient Ecological Data**

**Aquatic toxicity**

**Fish**

Chemical Name	Exposure time	Species	Endpoint type	Reported dose	Key literature references and sources for data
Sulfuric Acid (10 - 20%) CAS#: 7664-93-9	96 hours	<i>Lepomis macrochirus</i>	LC <sub>50</sub>	> 16 mg/L	IUCLID (The International Uniform Chemical Information Database)

**Crustacea**

Chemical Name	Exposure time	Species	Endpoint type	Reported dose	Key literature references and sources for data
Sulfuric Acid (10 - 20%) CAS#: 7664-93-9	48 hours	<i>Crangon crangon</i>	EC <sub>50</sub>	> 70 mg/L	IUCLID (The International Uniform Chemical Information Database)

**Algae**

No data available

**Terrestrial toxicity**

**Soil**

No data available

**Vertebrates**

No data available

**Invertebrates**

No data available

**Other Information**

**Persistence and degradability**

None known.

**Product Biodegradability Data**

No data available.

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**Ingredient Biodegradability Data**

No data available

**Bioaccumulation**

If available, see ingredient data below.

**Product Bioaccumulation Data**

Test data reported below.

**Ingredient Bioaccumulation Data**

No data available

**Additional information**

**Product Information**

**Partition Coefficient (n-octanol/water)**

Not applicable

**Ingredient Information**

Chemical Name	Partition Coefficient (n-octanol/water)	Method
Molybdic Acid (0 - 10%) CAS#: 7782-91-4	$\log K_{ow} = 1.93$	Estimation through KOWWIN v1.68 part of the Estimation Programs Interface (EPI) Suite™

**Mobility**

Mobility in soil: High mobility. If available, see ingredient data below.

**Product Information**

**Soil Organic Carbon-Water Partition Coefficient**

Not applicable

**Ingredient Information**

No data available

**Additional information**

**Water solubility**

**Product Information**

<u>Water solubility classification</u>	<u>Water solubility</u>	<u>Water Solubility Temperature</u>
Soluble	> 1000 mg/L	25 °C / 77 °F

**Ingredient Information**

Chemical Name	Water solubility classification	Water solubility	Water solubility temperature °C	Water solubility temperature °F
Sulfuric Acid (10 - 20%) CAS#: 7664-93-9	Soluble	> 1000 mg/L	25 °C	77 °F
Sodium Bisulfate (10 - 20%) CAS#: 7681-38-1	Soluble	> 1000 mg/L	20 °C	68 °F
Molybdic Acid (0 - 10%) CAS#: 7782-91-4	Slightly soluble	> 0.1 mg/L	25 °C	77 °F

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**Other adverse effects**

No information available.

### 13. DISPOSAL CONSIDERATIONS

**Waste treatment methods**

<b>Disposal of wastes</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.
<b>Contaminated packaging</b>	Do not reuse container.
<b>US EPA Waste Number</b>	D002
<b>Special instructions for disposal</b>	Dilute to 3 to 5 times the volume with cold water. Adjust to a pH between 6 and 9 with an alkali, such as soda ash or sodium bicarbonate. If permitted by regulation, Open cold water tap completely, slowly pour the reacted material to the drain. Allow cold water to run for 5 minutes to completely flush the system. Otherwise, Check with local municipal and state authorities and waste contractors for pertinent local information regarding the proper disposal of chemicals.
<b>Waste from residues/unused products</b>	Dispose of in accordance with federal, state and local regulations.
<b>Contaminated packaging</b>	Do not reuse container.

### 14. TRANSPORT INFORMATION

**IMDG**

<b>Proper shipping name</b>	Corrosive Liquid, Acidic, Inorganic, N.O.S.
<b>IMDG Technical Name</b>	(Sulfuric acid solution)
<b>Hazard Class</b>	8
<b>UN/ID no</b>	UN3264
<b>Packing Group</b>	III
<b>Marine pollutant</b>	No

**IATA**

<b>UN/ID no</b>	UN3264
<b>Proper shipping name</b>	Corrosive Liquid, Acidic, Inorganic, N.O.S.
<b>IATA Technical Name</b>	(Sulfuric acid solution)
<b>Hazard Class</b>	8
<b>Packing Group</b>	III
<b>ERG Code</b>	154

**DOT**

<b>Proper shipping name</b>	Corrosive Liquid, Acidic, Inorganic, N.O.S.
<b>DOT Technical Name</b>	(Sulfuric acid solution)
<b>Hazard Class</b>	8
<b>UN/ID no</b>	UN3264
<b>Packing Group</b>	III

**TDG**

<b>Proper shipping name</b>	Corrosive Liquid, Acidic, Inorganic, N.O.S.
<b>TDG Technical Name</b>	(Sulfuric acid solution)
<b>Hazard Class</b>	8
<b>UN/ID no</b>	UN3264
<b>Packing Group</b>	III

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**ADR**

<b>Proper shipping name</b>	Corrosive Liquid, Acidic, Inorganic, N.O.S.
<b>ADR Technical Name</b>	(Sulfuric acid solution)
<b>Hazard Class</b>	8
<b>UN/ID no</b>	UN3264
<b>Packing Group</b>	III

## 15. REGULATORY INFORMATION

**International Inventories**

<b>TSCA</b>	Complies
<b>DSL/NDSL</b>	Complies
<b>INSQ</b>	Does not comply
<b>EINECS/ELINCS</b>	Complies
<b>ENCS</b>	Complies
<b>IECSC</b>	Complies
<b>KECL</b>	Complies
<b>PICCS</b>	Complies
<b>TCSI</b>	Complies
<b>AICS</b>	Complies
<b>NZIoC</b>	Complies

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

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

**INSQ** - National Inventory of Chemical Substances in Mexico

**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

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**TCSI** - Taiwan Chemical Substances Inventory

**AICS** - Australian Inventory of Chemical Substances

**NZIoC** - New Zealand Inventory of Chemicals

## 16. OTHER INFORMATION

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

<b>NIOSH IDLH</b>	<i>Immediately Dangerous to Life or Health</i>
<b>ACGIH</b>	ACGIH (American Conference of Governmental Industrial Hygienists)
<b>NDF</b>	<i>no data</i>

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

<b>TWA</b>	TWA (time-weighted average)	<b>STEL</b>	STEL (Short Term Exposure Limit)
<b>X</b>	Listed	<b>Vacated</b>	These values have no official status. The only 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 i

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SKN*	Skin designation	SKN+	Skin sensitization
RSP+	Respiratory sensitization	**	Hazard Designation
C	Carcinogen	R	Reproductive toxicant
M	mutagen		

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**Revision Note** None.

**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**