

FREEPORT-MCMORANSBIOSAS SBIOSALE KT 04130 H

Copper

Safety Data Sheet Revision date: 05/13/2015

SB40515 SB42921 9720605 9711269 thry 9711274 9728090 Supersedes: 01/21/2013 Version: 3.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form

: Substance

Substance name

: Copper

Chemical name

: Copper

CAS No.

: 7440-50-8

: copper, copper anodes, copper cathodes, copper rod, copper wire, copper sheet, copper bar

Other means of identification

: Copper-various forms (anodes, rod, bars, billets, cakes, cathodes, sheets, wire)

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture

: Industrial

1.3. Details of the supplier of the safety data sheet

Freeport-McMoRan Copper and Gold 333 N. Central Ave Phoenix AZ 85004 Phone: 602-366-8100

1.4. Emergency telephone number

Carechem 24 Emergency Numbers:

US/Canada

+1 866 928 0789 +52 55 5004 8763

EU Regional

+441235 239670

Africa/South Africa +44 1235 239671 Asia/Pacific Regional +65 3158 1074

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification Acute Tox. 4 (Oral) H302

2.2. Label elements

GHS-US labelling

Hazard pictograms (GHS-US)



GHS07

Signal word (GHS-US)

: Waming

Hazard statements (GHS-US)

H302 - Harmful if swallowed

Precautionary statements (GHS-US)

P264 - Wash Skin thoroughly after handling

P270 - Do no eat, drink or smoke when using this product P301+P312 - If swallowed, call a doctor if you feel unwell

P330 - If swallowed, rinse mouth
P501 - Dispose of contents/container to Comply with applicable local, national and international

regulation.

2.3. Other hazards

other hazards which do not result in

classification

: If user operations generate dust or fume, . dust or fumes may cause irritation of the eyes, skin and respiratory tract. metal fume fever has been associated with metals such as zinc, magnesium, aluminum, antimony, iron, manganese, mercury, nickel and tin. however, there is insufficient evidence to conclude that exposures to copper dust and copper fume cause metal fume fever.

2.4. Unknown acute toxicity (GHS US)

No data available

SECTION 3: Composition/information on ingredients Substances

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Name	Product Identifier	%	GHS-US classification
Copper (Main constituent)	(CAS No.) 7440-50-8	>= 99.6	Acute Tox. 4 (Oral), H302 Aquatic Acute 1, H400 Aquatic Chronic 3, H412

Full text of H-phrases: see section 16

3.2. Mixture

Not applicable

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general

If user operations generate dust or fume, . dust or fumes may cause imitation of the eyes, skin

and respiratory tract.
. ROUTE(S) OF ENTRY: INHALATION, EYE AND INGESTION OF OUST OR FUME.

First-aid measures after inhalation

If exposed to excessive levels of dusts or fumes, remove to fresh air and get medical attention if cough or other symptoms develop.

First-aid measures after skin contact

: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. GET MEDICAL ATTENTION IF IRRITATION DEVELOPS OR PERSISTS.

First-aid measures after eve contact

: if dust or fume contacts the eyes,. Immediately flush eyes thoroughly with water for at least 15

minutes. If eye imitation persists: Get medical advice/attention.

First-aid measures after ingestion

: if swallowed, induce vomiting as directed by medical personnel. Never give anything by mouth to an unconscious person. Get medical advice/ attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries

: Upper respiratory irritation accompanied by coughing, dryness of mucous membranes.

Symptoms/injuries after inhalation

Dust or fume may cause. Irritating to the nose, throat, and respiratory tract. metal fume fever has been associated with metals such as zinc, magnesium, aluminum, antimony, iron, manganese, mercury, nickel and tin, however, there is insufficient evidence to conclude that exposures to copper dust and copper fume cause metal fume fever, symptoms of metal fume fever include muscular pains, sudden onset of chills, weakness, fatigue, nausea, vomiting, headache, diarrhea

and onset may be delayed for several hours.

Symptoms/injuries after skin contact

: Dust from this product may cause skin imitation. : dust or fume may cause eye irritation.

Symptoms/injuries after eye contact Symptoms/injuries after ingestion

: Irritation of the stomach possible.

Chronic symptoms

: Effects from chronic exposure are rare except in individuals with Wilson's disease.

4.3. Indication of any immediate medical attention and special treatment needed

Wilson's disease or g6pd deficiency causes individuals to absorb, retain, and store copper excessively, leading to copper toxicosis.

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media:

: Use fire-extinguishing media appropriate for surrounding materials.

Unsuitable extinguishing media

: Do not use direct water stream.

5.2. Special hazards arising from the substance or mixture

Fire hazard

: Heavy airborne concentrations of fine powder in enclosed spaces may ignite or explode in the presence of sources of ignition. Solid metal is not flammable; however, finely divided metallic dust or powder may form an explosive mixture with air.

Explosion hazard

Heavy airborne concentrations of fine powder in enclosed spaces may ignite or explode in the

presence of sources of ignition.

5.3. Advice for firefighters

Firefighting instructions

Spray suitable extinguishing media directly at base of flame. Do not use a solid water stream as it may scatter and spread fire. Evacuate area,

Protective equipment for firefighters

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

The substance can readily form explosive peroxides. In the presence of wet acetylene and ammonia, copper forms explosive acetylides.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures

Other information

: Do not allow the product to be released into the environment. Avoid generation of dust, toxic and corrosive vapours are released.

For non-emergency personnel

Protective equipment

: Wear protective clothing as described in Section 8 of this safety data sheet.

Emergency procedures

Avoid contact with skin and eyes. Wear suitable protective clothing. Eliminate all ignition sources

if safe to do so. Evacuate unnecessary personnel.

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6.1.2. For emergency responders

Protective equipment Emergency procedures

- : Wear protective clothing as described in Section 8 of this safety data sheet.
- : Evacuate unnecessary personnel. Eliminate all sources of ignition, avoid sparks, flames and do not smoke in risk area. Avoid contact with skin and eyes. Avoid generation of dust, avoid

breathing dust.

6.2. Environmental precautions

Avoid release to the environment, Comply with all laws and regulations. Prevent runoff from entering drains, sewers or waterways.

6.3. Methods and material for containment and cleaning up

For containment

: Contain the discharged material.

Methods for cleaning up

 Avoid generation of dust. (VACUUM, WET). Avoid repeated or prolonged contact with the skin. Any waste must be disposed of in accordance with federal, state, and local environmental regulations.

6.4. Reference to other sections

Refer to sections 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling

: Avoid generation of dust. Avoid contact with eyes, skin, and clothing. Avoid repeated or prolonged skin contact. Avoid contact with strong acids, strong oxidizing agents, chlorine, fused ammonium nitrate, nitrosyl fluoride, iodine pentafluoride. Do not breathe dust, do not handle or store near heat, sparks, or any other potential ignition sources. Do not handle until all safety precautions have been read and understood. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose containers to flames, sparks, heat, or other potential ignition sources.

Hygiene measures

: Contaminated work clothing should not be allowed out of the workplace. Do no eat, drink or smoke when using this product. Separate working clothes from town clothes. Launder separately. Take care for general good hygiene and housekeeping. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures:

: Avoid static electricity discharges, Comply with applicable regulations. Control airborne concentrations below the exposure limits, Ensure adequate ventilation of the storage area.

Storage condition(s)

: Store in a clean, dry, fire resistant area. Keep cool. Protect from sunlight.

Incompatible materials

Acids. Oxidizing agent.

Storage area

: Store in a well-ventilated place.

7.3. Specific end use(s) No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Copper (7440-50-8)

USA OSHA

OSHA PEL (TWA) (mg/m3) (Dust)

1 mg/m³

Copper (7440-50-8)

USA OSHA

OSHA PEL (TWA) (mg/m3) (Fume)

0.1 mg/m³

8.2. Exposure controls

Appropriate engineering controls

: If user operations generate dust or fume, . Use ventilation to keep exposure to airborne

contaminants below the exposure limits.

Personal protective equipment

: Gloves. Protective clothing. Safety glasses. Wear suitable protective clothing.







Hand protection

Eye protection

Skin and body protection Respiratory protection : In case of repeated or prolonged contact wear gloves. Avoid contact with skin.

: Use safety glasses with side-shields or goggles.

: Wear protective shoes. Wear long sleeves. Wear suitable protective clothing.

: A respiratory protection program that meets OSHA 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant respirator use. For concentrations up to 10 times the exposure limit, use NIOSH approved half- or full-face, air-purifying respirator with acid gas cartridges in combination with particulate filter. For higher concentrations, consult a professional industrial hygienist.

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state

: Solid

Appearance

: Various shapes.

Molecular mass

: 63.54 g/mol

Colour

: Reddish-yellow, copper.

odour

: Odorless.

Odour threshold

: No data available

; Not applicable

Relative evaporation rate (butylacetate=1)

: No data available

Melting point Freezing point : 1083 °C 1981.4 °F (Fahrenheit)

Boiling point

: No data available : 2595 °C 4703 °F

Flash point

: Not applicable : No data available

Self ignition temperature Decomposition temperature

; No data available

Flammability (solid, gas)

: No data available

Vapour pressure

: 1 mm Hg at 1628°C = 2962.4°F (20 mm Hg at 1970°C = 3578.0°F)

Relative vapour density at 20 °C Relative density

: No data available

Solubility

: No data available : Water: Insoluble

Log Pow

: No data available

Log Kow

: No data available

Viscosity, kinematic Viscosity, dynamic

: No data available

Explosive properties

: No data available

Oxidising properties Explosive limits

: No data available : No data available

9.2. Other information

No additional information available SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10,2. Chemical stability

Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid No additional information available

10.5. Incompatible materials

copper is potentially explosive with: acetylinic compounds, 3-bromopropene, ethylene oxide, lead azide, and ammonium nitrate. ignites on contact with chlorine, fluorine, and hydrazinemononitrate, reacts violently with sodium azide, halogenates, peroxides, hydrogen sulfide, hydrozoic acid, bromates, chlorates, iodates, chloride and potassium oxide, avoid contact with strong acids.

10.6. Hazardous decomposition products

HIGH TEMPERATURES ASSOCIATED WITH SMELTING OR WELDING RELEASES METAL OXIDE FUMES.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

: Harmful if swallowed.

Skin corrosion/irritation

: Not classified pH: Not applicable

Serious eye damage/irritation

: Not classified

pH: Not applicable

Respiratory or skin sensitisation Germ cell mutagenicity

: Not classified : Not classified

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Carcinogenicity

: Not classified

Reproductive toxicity

: Not classified

Specific target organ toxicity (single exposure)

: Not classified

Specific target organ toxicity (repeated exposure)

: Not classified

Aspiration hazard

: Not classified

Symptoms/injuries after inhalation

Dust or fume may cause. Irritating to the nose, throat, and respiratory tract. metal fume fever has been associated with metals such as zinc, magnesium, aluminum, antimony, iron, manganese, mercury, nickel and tin. however, there is insufficient evidence to conclude that exposures to copper dust and copper fume cause metal fume fever, symptoms of metal fume fever include muscular pains, sudden onset of chills, weakness, fatigue, nausea, vomiting, headache, diarrhea and onset may be delayed for several hours.

Symptoms/injuries after skin contact

: Dust from this product may cause skin irritation.

Symptoms/injuries after eye contact

: dust or fume may cause eye irritation. : Irritation of the stomach possible.

Symptoms/injuries after ingestion Chronic symptoms

: Effects from chronic exposure are rare except in individuals with Wilson's disease.

SECTION 12: Ecological information

12.1. Toxicity

Copper (7440-50-8)			
LC50 fishes 1	0.0068 - 0.0156 mg/l (Exposure time: 96 h - Species: Pimephales prometas)		
EC50 Daphnia 1	0.03 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])		
EC50 other aquatic organisms 1	0.0426 - 0.0535 mg/l (Exposure time: 72 h - Species: Pseudokirchneriella subcapitata [static])		
LC50 fish 2	< 0.3 mg/l (Exposure time: 96 h - Species: Pimephales prometas [static])		
EC50 other aquatic organisms 2	0.031 - 0.054 mg/l (Exposure time: 96 h - Species: Pseudokirchneriella subcapitata [static])		

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations

: Waste must be disposed of in accordance with federal, state, and local environmental regulations.

SECTION 14: Transport information

In accordance with DOT/ ADR / RID / ADNR / IMDG / ICAO / IATA

14.1. UN number

Not applicable

14.2. UN proper shipping name

Not applicable

14.3. Additional information

Other information

: No supplementary information available.

Overland transport

No additional information available

Transport by sea

No additional information available

Air transport

No additional information available

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SECTION 15: Regulatory information

15.1. US Federal regulations

Copper (7440-50-8)

CERCLA RQ

5000 Ib SUBJECT TO SIZE LIMITATIONS (SEE 40 CFR 302.4)

Listed on the United States TSCA (Toxic Substances Control Act) inventory Listed on SARA Section 313 (TRI)

15.2. International regulations

CANADA

Copper (7440-50-8)

Listed on the Canadian DSL (Domestic Sustances List) inventory.

WHMIS Classification

Uncontrolled product according to WHMIS classification criteria

EU-Regulations

Copper (7440-50-8)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) substances.

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

Aquatic Acute 1 H400 Aquatic Chronic 3 H412

Full text of H-phrases: see section 16

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

Not classified

15.2.2. National regulations

Copper (7440-50-8)

Listed on the AICS (the Australian Inventory of Chemical Substances). Listed on Inventory of Existing Chemical Substances (IECSC)

Listed on the Korean ECL (Existing Chemical List) inventory.
Listed on New Zealand - Inventory of Chemicals (NZIoC)
Listed on Inventory of Chemicals and Chemical Substances (PICCS)
Listed on the Canadian Ingredient Disclosure List

15.3. US State regulations

Copper (7440-50-8)

- U.S. California Priority Toxic Pollutants Freshwater Criteria

- U.S. California Priority Toxic Pollutants Freshwater Criteria
 U.S. California Priority Toxic Pollutants Human Health Criteria
 U.S. California Priority Toxic Pollutants Saltwater Criteria
 U.S. California SCAQMD Toxic Air Contaminants Non-Cancer Acute
 U.S. California Toxic Air Contaminant List (AB 1807, AB 2728)
 U.S. Colorado Primary Drinking Water Regulations Maximum Contaminant Level Goals (MCLGs)
 U.S. Colorado Primary Drinking Water Regulations Secondary Maximum Contaminant Levels (SMCLs)
 U.S. Connecticut Drinking Water Quality Standards Groundwater Sources
 U.S. Connecticut Drinking Water Quality Standards Maximum Contaminant Levels
 U.S. Connecticut Hazardous Air Pollutants HLVs (30 min)
 U.S. Connecticut Hazardous Air Pollutants HLVs (8 hr)
 U.S. Connecticut Water Quality Standards Acute Freshwater Aquatic Life Criteria
 U.S. Connecticut Water Quality Standards Acute Freshwater Aquatic Life Criteria
 U.S. Connecticut Water Quality Standards Chronic Freshwater Aquatic Life Criteria
 U.S. Connecticut Water Quality Standards Chronic Saltwater Aquatic Life Criteria
 U.S. Connecticut Water Quality Standards Consumption of Water and Organisms
 U.S. Connecticut Water Quality Standards Health Designations
 U.S. Connecticut Water Quality Standards Reportable Quantities
 U.S. Florida Drinking Water Standards Secondary Maximum Contaminant Levels (SMCLs)
 U.S. Georgia Drinking Water Secondary Maximum Contaminant Levels (SMCLs)

- U.S. Florida Drinking Water Standards Secondary Maximum Contaminant Levels (SMC U.S. Georgia Drinking Water Secondary Maximum Contaminant Levels (SMCLs) U.S. Hawaii Occupational Exposure Limits STELs U.S. Hawaii Occupational Exposure Limits TWAs U.S. Idaho Non-Carcinogenic Toxic Air Pollutants Acceptable Ambient Concentrations U.S. Idaho Non-Carcinogenic Toxic Air Pollutants Emission Levels (ELs) U.S. Idaho Occupational Exposure Limits TWAs U.S. Illinois Toxic Air Contaminants



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Copper (7440-50-8)
  U.S. - Louisiana - Reportable Quantity List for Pollutants
 U.S. - Maryland - Surface Water Quality Standards - Acute Freshwater Aquatic Life
U.S. - Maryland - Surface Water Quality Standards - Acute Saltwater Aquatic Life Criteria
 U.S. - Maryland - Surface Water Quality Standards - Chronic Freshwater Aquatic Life
U.S. - Maryland - Surface Water Quality Standards - Chronic Saltwater Aquatic Life Criteria
U.S. - Maryland - Surface Water Quality Standards - Chronic Satwater Aquatic Life Criteria
U.S. - Maryland - Surface Water Quality Standards - Consumption of Water and Organisms
U.S. - Massachusetts - Allowable Ambient Limits (AALs)
U.S. - Massachusetts - Allowable Threshold Concentrations (ATCs)
U.S. - Massachusetts - Drinking Water - Maximum Contaminant Levels (MCLs)
U.S. - Massachusetts - Drinking Water - Secondary Maximum Contaminant Levels (SMCLs)
U.S. - Massachusetts - Oil & Hazardous Material List - Groundwater Reportable Concentration - Reporting Category 1
 U.S. - Massachusetts - Oil & Hazardous Material List - Groundwater Reportable Concentration - Reporting Category 2 U.S. - Massachusetts - Oil & Hazardous Material List - Reportable Concentration - Reporting Category 2 U.S. - Massachusetts - Oil & Hazardous Material List - Reportable Quantity U.S. - Massachusetts - Oil & Hazardous Material List - Soil Reportable Concentration - Reporting Category 1 U.S. - Massachusetts - Oil & Hazardous Material List - Soil Reportable Concentration - Reporting Category 2
  U.S. - Massachusetts - Right To Know List
 U.S. - Massachusetts - Threshold Effects Exposure Limits (TELs) U.S. - Massachusetts - Toxics Use Reduction Act
 U.S. - Michigan - Occupational Exposure Limits - TWAs U.S. - Michigan - Polluting Materials List
 U.S. - Minnesota - Hazardous Substance List
U.S. - Minnesota - Permissible Exposure Limits - TWAs
 U.S. - Missouri - Drinking Water - Maximum Contaminant Levels (MCLs)
U.S. - Missouri - Drinking Water - Secondary Maximum Contaminant Levels (SMCLs)
U.S. - Nevada - Drinking Water - Secondary Maximum Contaminant Levels (SMCLs)
U.S. - New Hampshire - Drinking Water - Secondary Maximum Contaminant Levels (SMCLs)
U.S. - New Hampshire - Regulated Toxic Air Pollutants - Ambient Air Levels (AALs) - 24-Hour
U.S. - New Hampshire - Regulated Toxic Air Pollutants - Ambient Air Levels (AALs) - Annual
 U.S. - New Jersey - Discharge Prevention - List of Hazardous Substances U.S. - New Jersey - Environmental Hazardous Substances List
U.S. - New Jersey - Environmental Hazardous Substances List
U.S. - New Jersey - Primary Drinking Water Standards - Action Levels - ALs
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - New Jersey - Water Quality - Ground Water Quality Criteria
U.S. - New Jersey - Water Quality - Practical Quantitation Levels (PQLs)
U.S. - New Mexico - Water Quality - Standards for Ground Water of 10,000 mg/L TDS Concentration or Less
U.S. - New York - Occupational Exposure Limits - TWAs
U.S. - New York - Reporting of Releases Part 597 - List of Hazardous Substances
U.S. - North Dakota - Air Pollutants - Guideline Concentrations - 8-Hour
U.S. - North Dakota - Water Quality Standards - Aquatic Life Acute Value for Classes I, IA, II, III
U.S. - North Dakota - Water Quality Standards - Aquatic Life Chronic Value for Classes I, IA, II, III
U.S. - North Dakota - Water Quality Standards - Human Health Value for Classes I, IA, II, III
U.S. - Oregon - Permissible Exposure Limits - TWAs
U.S. - Pennsylvania - Beneficial Use of Sewage Sludge by Land Application - Pollutant Ceiling Limits
 U.S. - Pennsylvania - Beneficial Use of Sewage Sludge by Land Application - Pollutant Ceiling Limits U.S. - Pennsylvania - Drinking Water - Maximum Contaminant Levels (MCLs)
  U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List U.S. - Pennsylvania - RTK (Right to Know) List
  U.S. - Rhode Island - Air Toxics - Acceptable Ambient Levels - 1-Hour
U.S. - Rhode Island - Air Toxics - Acceptable Ambient Levels - Annual
 U.S. - Rhode Island - Water Quality Standards - Acute Freshwater Aquatic Life Criteria
U.S. - Rhode Island - Water Quality Standards - Acute Freshwater Aquatic Life Criteria
U.S. - Rhode Island - Water Quality Standards - Acute Saltwater Aquatic Life Criteria
U.S. - Rhode Island - Water Quality Standards - Chronic Freshwater Aquatic Life Criteria
U.S. - Rhode Island - Water Quality Standards - Chronic Saltwater Aquatic Life Criteria
U.S. - Rhode Island - Water Quality Standards - Human Health Criteria for Consumption of Water and Aquatic Organisms
U.S. - South Carolina - Secondary Maximum Contaminant Levels (SMCLs)
 U.S. - Texas - Effects Screening Levels - Long Term
U.S. - Texas - Effects Screening Levels - Long Term
U.S. - Texas - Effects Screening Levels - Long Term
U.S. - Texas - Effects Screening Levels - Short Term
U.S. - Texas - Effects Screening Levels - Short Term
U.S. - Utah - Drinking Water - Secondary Maximum Contaminant Levels (SMCLs)
U.S. - Vermont - Permissible Exposure Limits - TWAs
U.S. - Virginia - Water Quality Standards - Acute Freshwater Aquatic Life
U.S. - Virginia - Water Quality Standards - Acute Saltwater Aquatic Life
U.S. - Virginia - Water Quality Standards - Chronic Freshwater Aquatic Life
U.S. - Virginia - Water Quality Standards - Chronic Saltwater Aquatic Life
U.S. - Virginia - Water Quality Standards - Public Water Supply Effluent Limits
U.S. - Washington - Permissible Exposure Limits - STELs
U.S. - Washington - Permissible Exposure Limits - TWAs
U.S. - Washington - Permissible Exposure Limits - TWAs
U.S. - Wisconsin - Water Quality - Groundwater Standards - Ceiling Concentrations
U.S. - Wisconsin - Hazardous Air Contaminants - All Sources - Emissions From Stack Heights 25 Feet to Less Than 40 Feet
U.S. - Wisconsin - Hazardous Air Contaminants - All Sources - Emissions From Stack Heights 40 Feet to Less Than 75 Feet
U.S. - Wisconsin - Hazardous Air Contaminants - All Sources - Emissions From Stack Heights 75 Feet or Greater
U.S. - Wisconsin - Hazardous Air Contaminants - All Sources - Emissions From Stack Heights 75 Feet or Greater
U.S. - Alaska - Water Quality Standards - Acute Aquatic Life Criteria for Fresh Water
  U.S. - Alaska - Water Quality Standards - Acute Aquatic Life Criteria for Fresh Water U.S. - Alaska - Water Quality Standards - Chronic Aquatic Life Criteria for Fresh Water
  U.S. - Alaska - Water Quality Standards - Acute Aquatic Life Criteria for Marine Water U.S. - Alaska - Water Quality Standards - Chronic Aquatic Life Criteria for Marine Water
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U.S. - Arkansas - Surface Water Quality Standards - Chronic Aquatic Life Criteria

U.S. - Arkansas - Surface Water Quality Standards - Acute Aquatic Life Criteria

SECTION 16: Other information

Full text of H-phrases: see section 16:

Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4	
Aquatic Acute 1	Hazardous to the aquatic environment - Acute Hazard Category 1	
Aquatic Chronic 3	Hazardous to the aquatic environment - Chronic Hazard Category 3	
H302	Harmful if swallowed	
H400	Very toxic to aquatic life	
H412	Harmful to aquatic life with long lasting effects	

NFPA health hazard

: 1 - Exposure could cause irritation but only minor residual

injury even if no treatment is given.

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

: 1 Slight Hazard - Irritation or minor reversible injury possible

Flammability

: 0 Minimal Hazard

Physical

: 0 Minimal Hazard

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