1 IDENTIFICATION

2852002

Industrial applications

Hubbard-Hall Inc.
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Emergency Phone Number
CHEMTREC: 1 (800) 424-9300
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2 HAZARDS IDENTIFICATION

DANGER
Acute Toxicity-Inhalation Hazard Category 2
Skin Corrosion/Irritation Hazard Category 1A
Eye Damage/Irritation Hazard Category 1
Acute Aquatic Toxicity-Category 3
Chronic Aquatic Toxicity- Category 3
Carcinogenicity Hazard Category 1A
Specific Target Organ Toxicity (Repeated Exposure) Hazard Category 2
Corrosive to Metals Hazard Category 1
Fatal if inhaled.
May cause damage to teeth through prolonged or repeated exposure via inhalation.
Causes severe skin burns and eye damage.
May cause cancer.
Harmful to aquatic life with long lasting effects
May be corrosive to metals.
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1 oduct Code :Weas .5 Ttecmaj 5glovitu3Tf (Indus5 Ttecmaj 5clothTj ,25 Td5 Ttecmaj 5goggle -14.2facnce 0 -14.2h14.le T(Mal t) Ts BT 1 preh lcationhaj 5beenodad-14.2u95 rstood.

Keep only in original container.
Avoid releases to the environment
If inhailed: Remove person to fresh air and keep comfortable for breathing.
Immediately call poison center or doctor and explain the type of exposure to the chemical(s) and provide th
If swallowed: Rinse mouth. Do NOT induce vomiting.
If on skin (or hair): Take off immediately all contaminated clothing Rinse skin with water/shower .
Wash contaminated clothing before reuse.
Specific treatment - refer to poison center or doctor for advice.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to
If exposed or concerned: Get medical advice/attention.
Absorb spillage to prevent material damage .
Store locked up.
Store in well ventilated place. Keep container tightly closed.
Store in corrosive resistant high density polyethylene container.
Dispose of contents/container in accordance with local, regional, national, or international regulations.

3 COMPOSITION INFORMATION

Sulfuric Acid	Oil of Vitriol	7664-93-9	93%

4 FIRST AID

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

Immediately remove contaminated clothing under a safety shower. Flush all affected areas with large amounts of water for 15 minutes. DO NOT attempt to neutralize with chemical agents. Obtain medical advice.

Immediately flush the eyes with large quantities of running water for 15 minutes. Hold the eyelids apart during the flushing to ensure rinsing of the entire surface of the eyelids with water. DO NOT attempt to neutralize with chemical agents. Obtain medical attention as soon as possible. Oils or ointments should not be used. Continue rinsing for an additional 15 minutes if the physician is not available.

If swallowed: Rinse mouth. Do NOT induce vomiting.

5 FIRE FIGHTING MEASURES

Avoid contact with water. Use foam, dry chemical or carbon dioxide.

Sulfur dioxide may be produced.

Fire fighters should enter area only if they are protected from all contact with the materail. Full protective clothing, including self-contained breathing apparatus, coat, pants, gloves, boots and bands around legs, arms, and waist, should be worn. No skin surfaces should be exposed.

ENE

No odor

N/A

(1% solution in water)<1

-31 °F

535 °F

N/A

<1 (Butyl Acetate = 1)

N/A

N/A

<0.3 mm Hg @ 25 °C

3.4

1.835

Complete in water

N/A

N/A

N/A

N/A

10 STABILITY AND REACTIVITY

Reacts violently with water, organic substances and base solutions with evolution of heat and hazardous mists.
Stable under normal conditions

Extremely high temperatures

Vigorous reactions with: water;alkaline solutions;metals, metal powder, Cabides;Chlorates;Fulminates;nitrates,picrates, strong oxidizing,reducing,or combustible organic materials. Hazardous gases are evolved in contact with chemicals such as cyanides, sulfides, and carbides. Sulfuric acid reacts with metal to produce hydrogen, a flammable and potentialy explosive gas. Hydrogen reacts with sulfides and generates hydrogen sulfide(Highly toxic gas). NEVER add water directly to sulfuric acid because a violent exothermic reaction may occur.
Possibility of decomposition if heated and in contact with sources of ignition. Releases of toxic gases and vapors (Sulfur oxides (SO2,SO3)).

11 TOXICOLOGICAL INFORMATION

Sulfuric Acid-LD50-(Rat)-2140 mg/kg

Sulfuric Acid-LC50-(Rat)-347 ppm-1 h

Severe irritation or burns to skin, eyes and respiratory system

Long term exposure to concentrated vapors may cause erosion of the teeth. Long term exposure seldom due to corrosive properties of the acid.
IARC group 1-Carcinogenic to Humans(Strong inorganic mists containing Sulfuric acid),ACGIH-A2-Suspected Human Carcinogen.
Eyes, Skin, Inhalation, Ingestion

12 ECOLOGICAL INFORMATION

Sulfuric Acid,LC50-48 h-49 mg/L

Sulfuric Acid-EC50,48 h-60-70 mg/L

Not Available

Unlikely

Disperses in water.

No data avaiilable

13 DISPOSAL CONSIDERATION

Dispose of in accordance with local, state and federal regulations.

14 TRANSPORT INFORMATION

3264

CORROSIVE LIQUIDS, ACIDIC, INORGANIC, N.O.S., (CONTAINS SULFURIC ACID AND THIOUREA),

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