

Safety Data Sheet

SDS ID: Stock Code NOW

Revision date: April 27, 2017

Section 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: "NOW!" H₂SO₄ Drain Pipe Opener
Synonyms: None
Chemical family: N/A
Producer: J.C. Whitlam Manufacturing Company
200 West Walnut Street
P.O. Box 380
Wadsworth, Ohio 44282-0380
www.jcwhitlam.com

Telephone: 330-334-2524 Available during normal business hours

Emergency: 800-255-3924 CHEM-TEL

Section 2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

May be harmful or fatal if swallowed. Poison! Corrosive! Causes severe burns. Reacts violently with water.

GHS Label elements, including precautionary statements:



POISON



IRRITANT



CORROSIVE



HARMFUL

Precautionary Statements: Avoid contact with skin and eyes. Keep out of reach of children. Do not allow to be taken internally. Use only in a well ventilated area. Avoid breathing vapors.

Inhalation: Vapor or mist from concentrated solutions may cause irritation of the eyes, nose and respiratory tract. May cause increased pulmonary resistance, transient cough and bronchoconstriction. Severe exposure may result in lung collapse and pulmonary edema which can be fatal.

Ingestion: Severe burning and pain in the mouth, throat and abdomen. Vomiting, diarrhea and perforation of the esophagus and stomach lining may occur.

Skin Contact: Concentrated solution may cause pain and severe burns to the skin and brownish or yellow stains. Prolonged exposure and repeated exposure to the dilute solutions may cause irritation, redness, pain and drying and cracking of the skin.

Eye Contact: Immediate pain, severe burns and corneal damage which may result in blindness.

Section 3. COMPOSITION / INFORMATION ON INGREDIENTS

Material information:

Name	CAS No.	Weight %
Sulfuric Acid	7664-93-9	93

Title III Section 313 Supplier Notification: This product contains toxic chemicals subject to the reporting requirement of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40CFR372. This information must be included in all SDS's that are copied and distributed for this material.

***Note:** The above weight percentages are represented in ranges as estimates. Due to variation among production batches, component percentages may vary.

Section 4. FIRST AID MEASURES

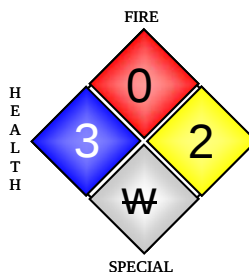
- Inhalation:** Remove victim to fresh air. Give artificial respiration only if breathing has stopped. Give cardiopulmonary resuscitation if there is no breathing and no pulse. Get immediate medical attention.
- Skin contact:** Immediately flush with running water for at least 20 minutes. Under running water, remove contaminated clothing and shoes. If irritation persists, repeat flushing. Get medical attention. Completely decontaminate clothing and shoes before re-use.
- Ingestion:** Never give anything by mouth to an unconscious person. Give ½ to 1 glass of water to dilute material. If vomiting occurs spontaneously, keep airway clear and give more water. Get immediate medical attention.
- Eye contact:** Flush immediately with water for at least 20 minutes. Forcibly hold eyelids apart to ensure complete irrigation of the eye and lid tissue. If irritation persists, repeat flushing. Get immediate medical attention.

Section 5. FIREFIGHTING MEASURES

- Extinguishing media:** Suitable: Dry chemical, carbon dioxide.
Unsuitable: Water, Organic materials
Large Fire: Water can be used but expect violent reaction.
- Specific hazards:** Not flammable but highly reactive. Capable of igniting finely divided combustible materials on contact. Hydrogen can accumulate to explosive concentrations inside confined spaces.

Special protective equipment/procedures for firefighters: Self-contained breathing apparatus (SCBA, MSHA/NIOSH), full protective gear. For fighting fires in close proximity to spill or vapors, use acid resistant personal protective equipment. Evacuate residents who are downwind of fire. Prevent unauthorized entry to fire area. Dike area to contain runoff and prevent contamination of water sources. Neutralize runoff with lime, soda ash or other suitable neutralizing agents. Cool containers that are exposed to flame with streams of water.

	NFPA rating:	HMIS rating:
Health:	3	3
Flammability:	0	0
Instability/reactivity:	2	2
Other:	N/A	H (PPE)



Hazardous
N/A
Moderate
N/A

Section 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Allow only trained personnel wearing appropriate protective equipment to be involved in the spill response.
Large Spill:	Dike area, prevent material from entering waterway.
Methods for Containment and Clean up	Remove all ignition sources. Ventilate area. Stop leak at source, if safe to do so. Collect into containers for reclamation or disposal. Deactivating chemicals: lime, limestone, sodium carbonate, sodium bicarbonate, dilute sodium hydroxide, dilute aqua ammonia.

Section 7. HANDLING AND STORAGE

Handling:	Wear appropriate personal protective equipment. Do not breathe sprays or mists. Do not ingest. Do not get in eyes, on skin or on clothing. Always add acid to water – NOT water to acid.
Storage:	Keep ignition sources away from sulfuric acid storage, handling and transportation equipment. Store above freezing point (-21.1°F (-29.5°C) @ 93%). Elevated temperatures will increase the corrosion rate of most metals. Store packaged acid in a dry, well ventilated location away from combustibles, oxides, bases or metallic powders. Storage tanks should be protected from water ingress, be well ventilated and maintained structurally in a safe and reliable condition. Sulfuric acid will attack some forms of plastic and coatings. If kept in upper floors of building, floors should be acid proof with drains to a recovery tank.

Section 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limits:

Name	CAS No.	ACGIH® TLV® Exposure Limits:	Federal OSHA PELs	OSHA PELs 1989 ^c
Sulfuric Acid	7664-93-9	1 mg/m3	n/a	1 mg/m3

PERSONAL PROTECTIVE EQUIPMENT

Engineering Measures: Safety showers recommended in all storage and handling areas. Eye wash fountains recommended in all storage and handling areas. Do not wear contact lenses.

PERSONAL PROTECTIVE EQUIPMENT

Respiratory protection: Use NIOSH approved respirators to prevent overexposure.

Skin and body protection: Coveralls, boots and other acid resistant protective clothing. Neoprene/PVC gloves.

Eye protection: Chemical safety goggles.

Hygiene measures: No data available.

Other Precautions: Local ventilation is adequate.

Section 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Brown
Physical state (solid/liquid/gas):	Liquid
Substance type (pure/mixture):	Mixture
Color:	Brown
Odor:	Penetrating odor
Molecular weight:	Not Available
pH:	<1.00
Boiling point/range (5-95%):	535°F (279°C) / N/A
Melting point/range:	Not Available
Decomposition temperature:	Not Available
Specific gravity:	@ 60°F (15°C), 1.8354
Vapor density:	Not Available
Vapor pressure:	@102°F (39°C), 0.0016
Evaporation rate (Butyl acetate= 1):	Not Available
Flash point, method used:	Not Available
Water solubility:	Miscible
VOC Content:	0 grams/liter
Auto-ignition temperature:	Not Available
Flammable limits in air — lower (%):	Not Available
Flammable limits in air — upper (%):	Not Available

Section 10. STABILITY AND REACTIVITY

Stability:	Stable under recommended storage conditions.
Possibly hazardous reactions:	No data available.
Conditions to avoid:	Open flames, sparks and ignition sources. DO NOT add water to the acid.
Incompatible Materials:	Carbides, chlorates, fulminates, nitrates and picrates. (May cause fire and explosion). Contact with metals may produce flammable hydrogen gas. DO NOT add water to the acid.
Hazardous decomposition products:	Toxic gases and vapors (sulfur dioxide, sulfuric acid vapors and sulfur trioxide) may be released when sulfuric acid decomposes.
Polymerization:	Will not occur.

Section 11. TOXICOLOGICAL INFORMATION

Acute toxicity: Medical conditions aggravated by exposure: asthma, bronchitis, emphysema and other lung diseases and chronic nose, sinus or throat condition. Severity of the burn is generally determined by the concentration of the solution and duration of exposure. Cream or ointment should not be applied before or during the washing phase of treatment.

Product information:

Name	CAS No.	Inhalation:	Dermal:	Oral:
Sulfuric Acid	7664-93-9	LC ₅₀ : 510 mg/m ³ (rat)	N/A	LD ₅₀ : 510 mg/m ³ (rat)

LC₅₀ — The concentration of the chemical in air that kills 50% of the test animals in a given time (usually four hours).

Chronic Toxicity: Not available

Sensitization: No

Section 12. ECOLOGICAL INFORMATION

Ecotoxicity effects: None

Persistence: None

Degradability: None

Section 13. DISPOSAL CONSIDERATIONS

Cleanup considerations: Disposal of this material must be done in accordance with federal, state and/or local regulations.

Section 14. TRANSPORT INFORMATION

Shipping Name: Sulfuric Acid
Hazardous Class: 8
ID Number: UN1830
Packing Group: II
Label Required: Corrosive

Exception to the rule: If the package that contains the hazardous material is in a small consumer size (less than 1 L) then the rules that apply to shipping hazardous materials do not apply. This is called an "Exception". This is classified as Consumer Commodity ORM-D.

Section 15. REGULATORY INFORMATION

None

Section 16. OTHER INFORMATION

Standards and Certification Listings:

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