

Safety Data Sheet

1. Product Identification

Product Name: Thrift Drain Opener
General Use: Drain Opener
Manufactured by: Thrift Marketing, Inc.
P.O. Box 2529
Shawnee Mission, KS 66201
Phone: (913) 236-7474
INFOTRAC: (800) 535-5350
Revision date: June 17, 2015

2. Hazards Identification

Emergency Overview (OSHA Hazards): DANGER! May be fatal if large amounts are inhaled. Causes severe skin burns and eye damage. May cause cancer with repeated and long-term exposure to concentrated product, especially with inhalation of mists. WARNING! May cause respiratory irritation. Corrosive to metal.

Hazard Classification (categories in parentheses): Acute toxicity - inhalation (2). Corrosive to skin (1A). Serious eye damage (1). Carcinogen (1A). Respiratory tract irritant (3). Corrosive to metal (1).

HMIS Rating:

Health 3
Flammability 0
Reactivity 2



DANGER!

WARNING!

Personal protection ration to be supplied by user depending on use conditions.

Hazard Statements:

H290 May be corrosive to metals
H302 Harmful if swallowed
H314 Causes severe skin burns and eye damage
H330 May be fatal if large amounts are inhaled
H335 May cause respiratory irritation

Precautionary Statements:

P260 Do not breath mist/vapors/spray
P262 Do not get in eyes, on skin, or on clothing
P280 Wear protective gloves/protective clothing/eye protection/face protection, especially with risk of splash
P301 + P310 + P330 + P331 IF SWALLOWED:
Immediately call a POISON CENTER or doctor/physician. Rinse mouth. Do NOT induce vomiting unless advised by physician or poison control center
P302 + P352 + P362 + P333 + P313 IF ON SKIN: Wash with soap and water. Take off contaminated clothing and wash before reuse If skin irritation or a rash occurs: Get medical advice/attention.

P304 + P341 + P342 + P322 + P315 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Administer oxygen and get immediate medical advice/attention
P305 + P351 + P338 + P315 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Get immediate medical advice/attention.

NOTE—Information provided in this SDS represents characteristics and physical data of the concentrated material as supplied.

3. Composition

Chemical Family: Sulfuric acid

<u>Ingredient</u>	<u>Wt %</u>	<u>CAS Number</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>NIOSH REL</u>	<u>NIOSH IDLH</u>
Sulfuric acid	93.2	7664-93-9	1 mg/m ³ TWA	0.2 mg/m ³	1 mg/m ³	15 mg/m ³

4. First Aid

Most important symptoms/effects: May be fatal if large amounts are inhaled. Causes severe skin burns and eye damage. May cause cancer with repeated and long-term exposure to concentrated product, especially with inhalation of mists. May cause respiratory irritation.

Inhalation: Immediately remove individual to fresh air. If breathing is difficult, administer oxygen. To protect first-aider, do not use mouth-to-mouth method. If not breathing, give artificial respiration with aid of a pocket mask equipped with a one-way valve or other suitable respiratory medical device. Get immediate medical attention.

Skin Contact: Immediately flush skin with running water for a minimum of 20 minutes. Remove contaminated clothing and foot wear. Wash thoroughly with soap and water and do not reuse clothing until properly cleaned. Seek medical attention immediately.

Eye Contact: Immediately flush eyes with plenty of cool, clean water for at least 20 minutes. Keep eyelids apart to maintain maximum contact with water. Do not allow the individual to rub their eyes. Get immediate medical attention.

Ingestion: Do not induce vomiting unless advised to do so by a physician or poison control center. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. If individual is conscious and able to swallow, quickly have the victim drink water to dilute. Do not give anything by mouth if individual is unconscious or is having convulsions. Seek medical attention immediately.

5. Fire and Explosion Data

Flash Point: > 212 Fahrenheit – Tag Closed Cup

Extinguishing Media: Foam, dry chemical or carbon dioxide. Do not use water jet as this can spread the fire. If a spill or leak has ignited, use gentle water spray to disperse the vapors. Gentle water spray may be used to flush spills away from a fire. Do not flush into a storm drain or public sewer.

Special Procedures: Use self-contained breathing apparatus (SCBA) and proper personal protection clothing.

Unusual Hazards: Concentrated product can release heat upon dilution with water. Product can also react with non-stainless steel metals. During a fire, vapors can be

released that might contain sulfuric acid or oxides of sulfur, and firefighters should attack and contain fire and any fumes accordingly.

6. Accidental Release Procedures

Personal precautions, protective equipment, and emergency procedures: Clear area of non-essential personnel. Keep people away from and upwind of spill/leak. Use proper personal protective equipment (PPE).

Methods and materials for containment and cleaning up: For large spills, ventilate area. Contain spill or leak and soak up as much material as possible. Put collected material into suitable containers for disposal. Close or cap valves and/or block or plug hole in leaking container and transfer to another container. Use appropriate containment to avoid runoff or release to sewer or waterways

Recovered solids or liquids may be sent to a licensed reclaimer or disposed of in a permitted waste management facility. Consult Federal, state or local disposal authorities for approved procedures. Any disposal must be in compliance with Federal, state, or local regulations.

7. Handling and Storage

Precautions for safe handling: Eye wash and safety showers are required in the immediate work area. Check with your State OSHA to determine the maximum distance for stations to be placed in regards to possible chemical exposure.

Conditions for safe storage, including any incompatibilities: The material is safe to store in well-ventilated areas at ambient temperatures of between 35 and 120 degrees F. Keep containers closed when not in use to prevent evaporative losses and possible contamination. Do not store concentrated product in any type of metal container. Protect from freezing.

8. Employee Protection and Control Measures

NOTE—No exposure standard exists for the formulated product.

Appropriate engineering controls: Normal ventilation has been found to be generally adequate. The end user must determine if the process or methods involved with the use of this material requires any additional ventilation.

Individual protection measures, such as personal protective equipment:

Eye Protection: Safety glasses with side shields or splash proof chemical goggles should be used when working with concentrated product. If product is being sprayed or splashing is possible, splash proof chemical goggles or a splash shield in accordance with 29 CFR 1910.133 is recommended. Appropriate eye protection must be worn instead of, or in conjunction with, contact lenses.

Skin Protection: As is a good practice with all materials, chemical resistant gloves, including rubber, butyl, or neoprene, should be worn when working with the product to avoid skin contact. Rubber apron, sleeves, and boots or other acid-resistant protective clothing are recommended for personnel involved in handling and transferring concentrated chemical.

Respiratory Protection: Not normally required. In situations where In situations where a risk of substantial inhalation occurs, such as where product is being misted, a respirator or air delivery system in accordance with 29 CFR 1910.134 (OSHA), 42 CFR 84 (NIOSH), and any other applicable regulations may be recommended.

Other: Not generally required under normal working conditions. The end user must determine if the process or methods involved required other personal protection clothing and/or equipment.

Work/Hygienic Practices: Do not consume food, drink, or smoke in areas where chemicals are being stored or handled. After working with chemicals wash hands thoroughly before handling food or beverages. Segregate and launder contaminated clothing before reuse.

9. Physical and Chemical Properties

Appearance: Clear, colorless to pale yellow liquid

Odor: Minimal

Odor threshold: Not tested

pH (10% in water): < 1.0

Melting point/freezing point: Not tested

Initial boiling point and range: > 212 F

Flash Point: > 212 Fahrenheit – Tag Closed Cup

Evaporation Rate: Less than water

Flammability (solid, gas): Not applicable

Upper/lower flammability or explosive limits: Not applicable

Vapor pressure: Not tested

Vapor Density: Heavier than air

Relative density: Specific Gravity ($H_2O = 1$): 1.84 typical

Solubility (water): Soluble

Partition coefficient: n-octanol/water: Not tested

Auto-ignition temperature: Not applicable

Decomposition temperature: Not applicable

Viscosity: Not tested

Stability: Stable

Percent Volatiles: Not tested

10. Stability and Reactivity

Chemical Stability: Stable

Conditions to Avoid: Do not store or transfer neat product in metals, such as aluminum, yellow metals such as copper or brass, stainless steel, or other steel alloys.

Incompatibility: Avoid contact with strong bases, oxidizers, organic materials, and elevated levels of chlorine, such as from hypochlorite.

Hazardous Decomposition: Oxides of sulfur

Polymerization: Will not occur

11. Toxicological Information

Acute Toxicity Data: May be fatal if large amounts are inhaled.

Irritant Data: Inhalation of mists may cause severe irritation. May be corrosive to skin and eyes. Ingestion of concentrated product can be hazardous.

Primary Routes of Exposure (Acute):

Eye and Skin Exposure: Concentrated product can cause corrosion to skin and eyes and even irreversible damage to eyes.

Inhalation: Excessive breathing of vapors over concentrated product may cause severe irritation to respiratory tract, with possible discomfort, dizziness, or coughing.

Ingestion: Swallowing larger quantities of concentrated product may lead to severe irritation or even burns in the mouth, throat, and stomach.

Primary Routes of Exposure (Chronic):

The effects from chronic exposure to this product have not been fully evaluated, but none have been observed.

Carcinogenicity: May cause cancer with repeated and long-term exposure to concentrated product, especially with inhalation of mists.

Safety Precautions: As with all chemicals, avoid contact with eyes, skin, and clothing; wash thoroughly after handling, especially before eating, drinking, or smoking.

12. Ecological Information

Contact your representative for assistance.

13. Disposal Considerations

Waste Disposal: All disposals of this material must be done in accordance with Federal, state and local regulations. Waste characterization and compliance with disposal regulations are the responsibilities of the waste generator.

14. Transportation Information

DOT Proper Shipping Name: UN1830, Sulfuric acid, 8, PG II

DOT Reportable Quantity (RQ): This product contains the following listed DOT Reportable Quantities: Sulfuric acid, RQ = 1,000 lbs

15. Regulatory Information

CERCLA (SARA): The following components of this product are listed as hazardous substances: Sulfuric acid, RQ = 1,000 lbs

EPCRA, Section 302: Sulfuric acid, RQ and Threshold Planning Quantity (TPQ) = 1,000 lbs

EPCRA, Section 311: Health: Immediate Health (Corrosive to skin and eyes, inhalation and ingestion hazard).

EPCRA, Section 312: Sulfuric acid, RQ = 500 lbs

Toxic Substances Control Act (TSCA) Status: All ingredients in this product appear on either the public TSCA inventory or the confidential TSCA inventory.

16. Other Information

Last Revision: June 04, 2014

Current Revision: June 17, 2015

Revision summary: Format changes to Sections 4, 6, 7, 8, 9, and 10

Prepared By: Chemical Specialties, LLC

This information is related only to the specific material designated herein and does not relate to use in combination with any other material or in any process. Such information is to the best of our knowledge and belief, accurate and reliable as of the date compiled. However, no representation, warranty or guarantee is made as to its accuracy, reliability, or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of this information for his own particular use. We do not accept liability for any loss or damage that may occur from the use of this information, nor do we offer warranty against patent infringement.

End of SDS