

Material Safety Data Sheet

Product Trade Name: **EVERITE II**

ID: H270

*** Section 1 - Chemical Product and Company Identification ***

Product Trade Name: EVERITE II

Manufacturer Information

Heatbath Corporation

P.O. Box 51048

Indian Orchard, MA 01151-5048

Contact Phone: (413) 452-2000

8:00 AM – 5:00 PM

CHEMTREC Emergency Phone: (800) 424-9300
24 Hours

*** Section 2 - Composition / Information on Ingredients ***

| CAS # | Component | Percent |
|-----------|-------------------|---------|
| 7647-01-0 | Hydrochloric acid | 30-60 |

Additional Information:

This product is considered hazardous under 29 CFR 1910.1200 (Hazard Communication).

*** Section 3 - Hazards Identification ***

Emergency Overview:

DANGER! CORROSIVE! Contact with this material will cause burns to the skin, eyes and mucous membranes.

Eye Contact:

This product is severely irritating to the eyes and may cause irreversible damage including burns and blindness.

Skin Contact:

Corrosive to the skin. Contact with the skin or mucous membranes may cause severe irritation and burns.

Skin Absorption:

No information available for the product.

Ingestion:

This product may produce corrosive damage to the gastrointestinal tract if it is swallowed.

Inhalation:

Inhalation of mists of this product may cause severe irritation and burns to the respiratory tract.

Medical Conditions Aggravated by Exposure:

Pre-existing eye, skin and respiratory disorders.

*** Section 4 - First Aid Measures ***

Eye Contact:

In case of contact with the eyes, rinse immediately with plenty of water for 15 minutes, and seek immediate medical attention.

Skin Contact:

Immediately take off all contaminated clothing. For skin contact, flush with large amounts of water. If irritation persists, get medical attention. Wash contaminated clothing before reuse.

Ingestion:

If the material is swallowed, get immediate medical attention or advice -- Do not induce vomiting. Give one to two glasses of water or milk. Never give anything by mouth to a victim who is unconscious or is having convulsions.

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Inhalation:

If mist or vapor of this product is inhaled, remove person immediately to fresh air. Seek medical attention if symptoms develop or persist.

First Aid: Notes to Physician

No additional information available.

* * * Section 5 - Fire Fighting Measures * * *

Flash Point: >212°F

Method Used: Calculated

Flammability Classification: Non-flammable

Upper Flammable Limit (UFL): Not determined

Lower Flammable Limit (LFL): Not determined

Fire & Explosion Hazards:

May react with metals to form flammable hydrogen gas.

Decomposition Products:

Thermal decomposition includes corrosive hydrogen chloride.

Extinguishing Media:

Dry chemical, foam, carbon dioxide, water fog.

Fire-Fighting Instructions:

Firefighters should wear full protective clothing including self contained breathing apparatus.

* * * Section 6 - Accidental Release Measures * * *

Containment and Clean up procedures must be conducted in accordance with all local, state, and federal regulations.

Containment Procedures:

Stop the flow of material, if this is without risk. Wear appropriate protective equipment and clothing during clean-up.

Clean-Up Procedures:

Absorb spill with inert material. Shovel material into appropriate container for disposal. Dispose of collected material according to regulation. Ventilate the contaminated area.

* * * Section 7 - Handling and Storage * * *

Handling Procedures:

Do not get this material in your eyes, on your skin, or on your clothing. Do not inhale vapors or mists of this product. Wash thoroughly after handling. Use this product with adequate ventilation. Do not take internally. For industrial use only. Use caution when combining with water; DO NOT add water to acid, ALWAYS add acid to water while stirring to prevent release of heat, steam and fumes.

Storage Procedures:

Keep container tightly closed and in a cool, well-ventilated place away from incompatible materials. Thaw and mix thoroughly if frozen.

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*** Section 8 - Exposure Controls / Personal Protection ***

Exposure Guidelines:

A: General Product Information

Follow all applicable exposure limits.

B: Component Exposure Limits

Hydrochloric acid (7647-01-0)

ACGIH: C 5 ppm; C 7.5 mg/m³

OSHA: C 5 ppm; C 7 mg/m³

NIOSH: C 5 ppm; C 7 mg/m³

Engineering Controls:

Ventilation should effectively remove and prevent buildup of any vapor or mist generated from the handling of this product.

PERSONAL PROTECTIVE EQUIPMENT

Eyes/Face Protective Equipment:

Wear chemical goggles; face shield (if splashing is possible).

Skin Protection:

Use impervious gloves. Gloves should be tested to determine suitability for prolonged contact. Use of impervious apron and boots are recommended.

Respiratory Protection:

If ventilation is not sufficient to effectively prevent buildup of aerosols or vapors, appropriate NIOSH/MSHA respiratory protection must be provided.

Personal Protective Equipment:

Eyewash fountains and emergency showers are required.

*** Section 9 - Physical & Chemical Properties ***

| | | | |
|--------------------------|--------------------|--------------------------|----------------|
| Physical State: | Liquid | Appearance: | Brown |
| Odor: | Sharp acid | Vapor Pressure: | 28 |
| Vapor Density: | Not determined | Boiling Point: | 225°F (107°C) |
| Specific Gravity: | 1.170@25°C (103°F) | pH: | <1.4 |
| Viscosity: | Not applicable | VOC: | <.7% |
| Solubility Water: | Appreciable | Evaporation Rate: | Not determined |
| Percent Volatile: | Not determined | Percent Solids: | <5% |

*** Section 10 - Chemical Stability & Reactivity Information ***

Chemical Stability:

Stable under normal conditions.

Conditions to Avoid:

Keep away from heat, ignition sources and incompatible materials.

Incompatibility:

May react with strong bases or oxidizing agents. Adding water to this product may cause localized overheating and splattering.

Decomposition Products:

Thermal decomposition may yield hydrogen chloride.

Hazardous Polymerization:

Will not occur.

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*** Section 11 - Toxicological Information ***

Acute Toxicity:

A: General Product Information

No information available for the product.

B: Component Analysis - LD50/LC50

Hydrochloric acid (7647-01-0)

Inhalation LC50 Rat : 3124 ppm/1H

Inhalation LC50 Mouse : 1108 ppm/1H

Carcinogenicity:

A: General Product Information

No information available for the product.

B: Component Carcinogenicity

Hydrochloric acid (7647-01-0)

IARC: Monograph 54; 1992 (Group 3 (not classifiable))

Chronic Toxicity

No information available.

Other Toxicological Information:

None available.

*** Section 12 - Ecological Information ***

Ecotoxicity:

A: General Product Information

No data available for this product.

B: Component Analysis - Ecotoxicity - Aquatic Toxicity

Hydrochloric acid (7647-01-0)

| Test & Species | | Conditions |
|-----------------------|-----------|------------|
| LC50 (48 hr) bluegill | 3.6 mg/L. | |
| LC100 (24 hr) trout | 10 mg/L. | |

Environmental Fate:

No data available for this product.

*** Section 13 - Disposal Considerations ***

Wastes must be tested using methods described in 40 CFR Part 261. It is the generator's responsibility to determine if the waste meets applicable definitions of hazardous wastes. State and local regulations may differ from Federal disposal regulations. Dispose of waste material according to Local, State, Federal and Provincial Environmental Regulations.

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*** Section 14 - Transportation Information ***

US DOT Information

Proper Shipping Name HYDROCHLORIC ACID, SOLUTION
Hazard Class 8
UN / NA Number UN1789
Packing Group II
Product RQ (lb) --

*** Section 15 - Regulatory Information ***

US Federal Regulations

A: General Product Information

No additional information available.

B: Component Analysis

This material contains one or more of the following chemicals required to be identified under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65) and/or CERCLA (40 CFR 302.4).

Hydrochloric acid (7647-01-0)

SARA 302: TPQ = 500 pounds; RQ = 5000 pounds (does not meet toxicity criteria but because of high production volume and recognized toxicity is considered a chemical of concern)

SARA 313: (acid aerosols including mists, vapors, gas, fog, and other airborne forms of any particle size); form R reporting required for 1.0% de minimis concentration

CERCLA: final RQ = 5000 pounds (2270 kg)

SARA 311/312: Acute: Yes Chronic: No Fire: No Pressure: No Reactive: Yes

State Regulations

A: General Product Information

No additional information available.

B: Component Analysis - State

The following components appear on one or more of the following state hazardous substances lists:

| Component | CAS # | CA | FL | MA | MN | NJ | PA |
|-------------------|-----------|-----|-----|-----|-----|-----|-----|
| Hydrochloric acid | 7647-01-0 | Yes | Yes | Yes | Yes | Yes | Yes |

Other Regulations

A: General Product Information

All components are on the U.S. EPA TSCA Inventory List.

B: Component Analysis - Inventory

| Component | CAS # | TSCA | DSL | EINECS |
|-------------------|-----------|------|-----|--------|
| Hydrochloric acid | 7647-01-0 | Yes | Yes | Yes |

C: Component Analysis - WHMIS IDL

The following components are identified under the Canadian Hazardous Products Act Ingredient Disclosure List:

| Component | CAS # | Minimum Concentration |
|-------------------|-----------|-----------------------|
| Hydrochloric acid | 7647-01-0 | 1% item 845 (502) |

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| *** Section 16 - Other Information *** |
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NFPA Ratings: Health: 3 Fire: 0 Reactivity: 1 Other:

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

HMIS Ratings: Health: 3 Fire: 0 Reactivity: 1 Pers. Prot.:

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic hazard

MSDS Change History:

5/21/03: Rev.03; MSDS as issued by Chemtech Finishing Systems.

1/18/05: Chemtech Finishing Systems acquired by Heatbath Corporation.

3/30/05: Rev.04; Chemtech MSDS issued under new manufacturer: Heatbath Corporation.

Sec.1 - Manufacturer Information Updated

Sec.16 - MSDS Change History section added

Sec.16 - Contact Information Updated

Key/Legend:

| | |
|---|---|
| ACGIH = American Conference of Governmental Industrial Hygienists | NFPA = National Fire Protection Association |
| CERCLA = Comprehensive Environmental Response, Compensation and Liability Act | NIOSH = National Institute for Occupational Safety and Health |
| EPA = Environmental Protection Agency | NTP = National Toxicology Program |
| HMIS = Hazardous Material Identification System | OSHA = Occupational Safety and Health Administration |
| IARC = International Agency for Research on Cancer | SARA = Superfund Amendments and Reauthorization Act |
| MSHA = Mine Safety and Health Administration | TSCA = Toxic Substance Control Act |

The information presented herein is believed to be factual as it has been derived from the works and opinions of persons believed to be qualified experts; however, nothing contained in this information is to be taken as a warranty or representation for which Heatbath Corporation bears legal responsibility. The user should review any recommendations in the specific context of the intended use to determine whether they are appropriate.

Contact: Jeff Szotek

Contact Phone: (413) 452-2000

This is the end of MSDS for EVERITE II.