

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

CHEMTREC International: (703) 527-3887

Recommended Use: Acid material to remove rust, scale, and oxides from ferrous metal surfaces.

Restrictions on Use: See Incompatibility, Section 10

*** Section 2 - Hazards Identification ***

OSHA Hazard Communication Standard: Considered a Hazardous Substance by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). Classified as Dangerous Goods for transport purposes.

Hazard Classification: Acute Toxicity (Inhalation) Category 3 | Metal Corrosion Category 1 | Serious Eye Damage Category 1 | STOT - SE (Resp. Irr.) Category 3 | Skin Corrosion/Irritation Category 1B

Labeling:



Signal Word: DANGER!

Hazard Statements: May be corrosive to metals. Causes severe skin burns and eye damage. Causes serious eye damage. Toxic if inhaled. May cause respiratory irritation.

PREVENTION: Do not breathe dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. Keep only in original packaging.

FIRST AID/IN CASE OF FIRE: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor. Specific treatment (see Section 4). IF INHALED: Remove person to fresh air and keep comfortable for breathing. Wash contaminated clothing before reuse. Absorb spillage to prevent material damage.

STORAGE: Store in a well-ventilated place. Keep container tightly closed. Store locked up.

DISPOSAL: Dispose of contents/container in accordance with all local, regional, national and/or international regulations.

Hazards Not Otherwise Classified: N.A.

Percent of Ingredients of Unknown Toxicity: N.A.

*** Section 3 - Composition / Information on Ingredients ***

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HAZARDOUS INGREDIENT	CAS #	PERCENT
HYDROCHLORIC ACID	7647-01-0	30 - 35% (T.S.)

T.S. = Trade Secret

*per CFR 29, Part 1910.1200; ingredients listed only if deemed hazardous and comprise 1% or greater of the composition (0.1% or greater for carcinogens).

Component Related Regulatory Information: This product may be regulated, have exposure limits or other information identified.

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

If this product comes in contact with the eyes: Immediately hold eyelids apart and flush the eye continuously with running water. Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids. Continue flushing until advised to stop by the Poisons Information Center or a doctor, or for at least 15 minutes. If skin or hair contact occurs: Immediately flush body and clothes with large amounts of water, using safety shower if available. Quickly remove all contaminated clothing, including footwear. Wash skin and hair with running water. If fumes or combustion products are inhaled remove from contaminated area. Lay patient down. Keep warm and rested. For advice, contact a Poisons Information Center or a doctor at once. Urgent hospital treatment is likely to be needed. If swallowed do NOT induce vomiting.

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

Flash Point: >212 °F

Upper Flammable Limit Not determined

Flammable Limits: Not determined

Lower Flammable Limit Not determined

Extinguishing Media, PPE and Guidance for FireFighter: Foam. Dry chemical powder. BCF (where regulations permit). Alert Fire Department and tell them location and nature of hazard. Wear full body protective clothing with breathing apparatus. Prevent, by any means available, spillage from entering drains or water course.

Fire and Explosion Hazards: Combustible. Slight fire hazard when exposed to heat or Flammables. Acids may react with metals to produce hydrogen, a highly flammable and explosive gas.

Decomposition Products: Hydrogen chloride gas, chlorine under thermal decomposition

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

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

Containment and Clean-Up Procedures: Drains for storage or use areas should have retention basins for pH adjustments and dilution of spills before discharge or disposal of material. Check regularly for spills and leaks. Clean up all spills immediately. Clear area of personnel and move upwind. Alert Fire Brigade and tell them location and nature of hazard. Wear full body protective clothing with breathing apparatus.

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

Handling and Storage Procedures: Contains low boiling substance: Storage in sealed containers may result in pressure buildup causing violent rupture of containers not rated appropriately. Check for bulging containers. Vent periodically Always release caps or seals slowly to ensure slow dissipation of vapors DO NOT allow clothing wet with material to stay in contact with skin Avoid all personal contact, including inhalation. Store in original containers. Keep containers securely sealed. Store in a cool, dry, well-ventilated area. Inorganic acids are generally soluble in water with the release of hydrogen ions. The resulting solutions have pH's of less than 7.0. Inorganic acids neutralize chemical bases (for example: amines and inorganic hydroxides) to form salts - neutralization can generate dangerously large amounts of heat in small spaces. 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. Keep formation of airborne mists to a minimum.

B. Component Exposure Limits:

CAS #	HAZARDOUS INGREDIENT	OSHA PEL(mg/m3)	ACGIH TLV(mg/m3)
7647-01-0	Hydrochloric Acid	5.0 PPM	5.0 PPM

*OSHA-PEL and ACGIH-TLV are 8-Hour TWA unless otherwise noted.

*per CFR 29, Part 1910.1200; ingredients listed only if deemed hazardous and comprise 1% or greater of the composition (0.1% or greater for carcinogens).

Engineering Controls: Set up ventilation to effectively remove and prevent buildup of any dust, vapor or mist generated from the handling of this product.

PERSONAL PROTECTIVE EQUIPMENT

Eyes/Face Protective Equipment: Wear appropriate eye protection to prevent eye contact.

Skin Protection: Wear appropriate personal protective clothing to prevent skin contact. The worker should immediately wash the skin when it becomes contaminated. Remove wet or significantly contaminated work clothing and replace.

Respiratory Protection: If ventilation is not sufficient to effectively prevent buildup of dust, mists or vapors, provide appropriate NIOSH/MSHA respiratory protection.

Personal Protective Equipment: Provide eyewash fountains in areas where there is any possibility that workers could be exposed to the substance; this is irrespective of the recommendation involving the wearing of eye protection.

Provide facilities for quickly drenching the body within the immediate work area for emergency use where there is a possibility of exposure. Depending on the specific circumstances, a deluge shower, a sink or hose could be considered adequate.

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

Physical State: Liquid

Color: Brown

Odor Threshold: Sharp acid

pH: <1.4

Specific Gravity: 1.17

Evaporation Rate: Not determined

Solubility Water: Appreciable

Viscosity: Not applicable

Vapor Density: Not determined

Vapor Pressure: 28

Octanol-Water Coefficient: N.E.

Boiling Point: 225 °F (107 °C)

Boiling Range: Not determined

Melting Point: Not Available

Freezing Point: Not determined

Flash Point: Not Available

Auto-Ignition Temperature: Not determined

Decomposition Temperature: Not determined

Flammability: Non-flammable

Flammability Limits - Low: Not determined

Hi: Not determined

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

Chemical Stability: Contact with alkaline material liberates heat

Conditions to Avoid: Keep away from heat

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

Decomposition Products: See Section 5.

Hazardous Polymerization: Will not occur.

*** Section 11 - Toxicological Information ***

Route of Exposure: eye/skin contact, inhalation, ingestion.

Acute Toxicity:

A: General Product Information

Eye Contact: The material can produce chemical burns to the eye following direct contact. Vapors or mists may be extremely irritating. If applied to the eyes, this material causes severe eye damage. Direct eye contact with acid corrosives may produce pain, tears, sensitivity to light and burns.

Skin Contact: The material can produce chemical burns following direct contact with the skin. Skin contact is not thought to have harmful health effects (as classified under EC Directives); the material may still produce health damage following entry through wounds, lesions or abrasions. Skin contact with acidic corrosives may result in pain and burns; these may be deep with distinct edges and may heal slowly with the formation of scar tissue. Open cuts, abraded or irritated skin should not be exposed to this material. Entry into the blood-stream, through, for example, cuts, abrasions or lesions, may produce systemic injury with harmful effects.

Skin Absorption: No information available for this product.

Ingestion: The material can produce chemical burns within the oral cavity and gastrointestinal tract following ingestion. Ingestion of acidic corrosives may produce burns around and in the mouth, the throat and esophagus. Immediate pain and difficulties in swallowing and speaking may also be evident. The material has NOT been classified by EC Directives or other classification systems as "harmful by ingestion".

Inhalation: The material can cause respiratory irritation in some persons. The body's response to such irritation can cause further lung damage. Corrosive acids can cause irritation of the respiratory tract, with coughing, choking and mucous membrane damage. There may be dizziness, headache, nausea and weakness.

Chronic Hazards: Long-term exposure to respiratory irritants may result in disease of the airways involving difficult breathing and related systemic problems. Substance accumulation, in the human body, may occur and may cause some concern following repeated or long-term occupational exposure. Repeated or prolonged exposure to acids may result in the erosion of teeth, swelling and/or ulceration of mouth lining. Irritation of airways to lung, with cough, and inflammation of lung tissue often occurs.

Medical Conditions Aggravated by Exposure: Asthma-like symptoms may continue for months or even years after exposure to the material ceases. This may be due to a non-allergenic condition known as reactive airways dysfunction syndrome (RADS) which can occur following exposure to high levels of highly irritating compound. Key criteria for the diagnosis of RADS include the absence of preceding respiratory disease, in a non-atopic individual, with abrupt onset of persistent asthma-like symptoms within minutes to hours of a documented exposure to the irritant. A reversible airflow pattern, on spirometry, with the presence of moderate to severe bronchial hyperreactivity on methacholine challenge testing and the lack of minimal lymphocytic inflammation, without eosinophilia, have also been included in the criteria for diagnosis of RADS.

Carcinogenicity:

a: Component Carcinogenicity:

None.

NTP: No.
OSHA: No.

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

ACGIH: No.

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*** Section 12 - Ecological Information ***

Ecotoxicity:

A: General Product Information

No information available for this product.

B. Component Analysis - Ecotoxicity - Aquatic Toxicity:

Hydrochloric Acid: LC50 (Bluegill) = 3.6 mg/L/48H; LC100 (Trout) = 10 mg/L/24H.

Persistence and Mobility: No information available for this product

Bioaccumulation Potential: No information available for this product.

Environmental: Ecotoxicity: The tolerance of water organisms towards pH margin and variation is diverse. Recommended pH values for test species listed in OECD guidelines are between 6.0 and almost 9. Acute testing with fish showed 96h-LC50 at about pH 3.5 For Chloride: Although inorganic chloride ions are not normally considered toxic they can exist in effluents at acutely toxic levels. Incidental exposure to inorganic chloride may occur in occupational settings where chemicals management policies are improperly applied.

Mobility in Soil: No information available.

*** 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.

*** Section 14 - Transportation Information ***

US DOT Information: UN 1789, HYDROCHLORIC ACID, SOLUTION, 8, PG II

Marine Pollutant: No

IMDG Classification: UN1789, HYDROCHLORIC ACID SOLUTION, 8, PG II

IATA Classification: UN1789, HYDROCHLORIC ACID SOLUTION, 8, PG II

The data provided in this section is for information only and may not be specific for the package size or mode of transportation. See package label for further details.

*** Section 15 - Regulatory Information ***

US Federal Regulations

A: General Product Information

No additional information available.

B: Component Analysis

This material may contain chemicals, requiring identification under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), or CERCLA (40 CFR 302.4).

HAZARDOUS COMPONENT	CERCLA RQ LBS.	SECT 302 TPQ LBS.	SECT 313* TOXIC	Maximum %
Hydrochloric Acid	5000	N.A.	Yes	35

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Sara 311/312 Hazards: **Immediate (Acute)** TRUE
Chronic* FALSE
Fire FALSE
Sudden Release-of-Pressure FALSE
Reactive TRUE

State Regulations

A: General Product Information

No additional information available.

Other Regulations

A: General Product Information

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

B: Component Analysis - Inventory

* * * Section 16 - Other Information * * *

Revision Date:

Rev. 1, June 1, 2015

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.

This is the end of MSDS for EVERITE II.