



Safety Data Sheet

Better Chemistry. Better Business

EMERALD SAFE ACID

Revised: 11/2/2022

1 IDENTIFICATION

Product Name: EMERALD SAFE ACID
Product Code :2541062
Recommended use of the chemical and restrictions on use:Industrial applications

Hubbard-Hall Inc.
563 South Leonard Street
Waterbury, CT 06708
Telephone: 203-756-5521
Fax number: 203-756-9017

Emergency Phone Number
CHEMTREC: 1 (800) 424-9300
International: 1 (703) 527-3887

2 HAZARDS IDENTIFICATION



Signal Word: WARNING
Hazard Category: Skin Corrosion/Irritation Hazard Category 2
Eye Damage/Irritation Hazard Category 2A
Acute Toxicity-Oral Hazard Category 4

Hazard Statements: Causes skin irritation.
Causes serious eye irritation.
Harmful if swallowed.

Prevention: Wash skin thoroughly after handling.
Wear rubber gloves, goggles and chemical protective clothing.
Do not eat, drink or smoke when using this product.

Response: If on skin: Wash with plenty of water.
Specific treatment - refer to poison center or doctor for advice.
If skin irritation occurs: Get Medical advice/attention.
Take off contaminated clothing and wash it before reuse.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical attention .
If swallowed: Call poison center/doctor if you feel unwell.
Rinse Mouth

Storage: Store locked up.
Store in corrosive resistant high density polyethylene container.

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

Components with Unknown Acute Toxicity Oral = 100 Dermal = 100% Inhalation = 100%

3 COMPOSITION INFORMATION

Chemical Name	Common Name And Synonyms	CAS No. and other Unique identifiers	Concentration %
Urea Hydrochloride	Mineral Acid Salt of organic amide	506-89-8	50-100%

4 FIRST AID

After Skin Contact:

If on skin(on hair): Take off immediately all contaminated clothing. Rinse with water/safety shower. Call doctor if irritation persists.

After Eye Contact:

If in eyes: Rinse cautiously for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If irritated, call doctor.

After Ingestion:

If swallowed: Rinse mouth. Do NOT induce vomiting.

Most Important Symptoms/Effects

Eye:

Irritation of eyes and skin.

Skin:

This product can cause mild, transient skin irritation. The severity of irritation will depend on the amount of material that is applied to the skin and the speed and thoroughness that it is removed. Symptoms include redness, itching, and burning of the skin. Repeated or prolonged skin contact can produce moderate irritation(dermatitis).

Indication of immediate medical attention:

Provide general supportive measures and treat symptomatically. Symptoms may be delayed. Keep victim under observation.

5 FIRE FIGHTING MEASURES

Suitable and Unsuitable extinguishing media:

Will not burn or support combustion. Use extinguishing media appropriate for surrounding fire, such as water spray, dry chemical, foam or carbon dioxide.

Specific hazards arising from the chemical:

Carbon oxides may be produced.

Special protective equipment and precautions for firefighter

Wear chemical resistant protective equipment and self contained breathing apparatus (SCBA).

6 ACCIDENTAL RELEASE MEASURES

Methods and Materials for containment & cleaning up:

Stop spill at source.

Caution: Spilled material may be slippery.

If trained in accordance 29 CFR 1910.120, leaks should be stopped. Spills should be contained and cleaned immediately. Persons performing clean up work should wear adequate personal protective equipment and clothing. Spills and releases should be reported, if required, to the appropriate local, state and federal regulatory agencies.

Absorb the chemical onto sand, vermiculite, or any other non-combustible absorbent, and collect into containers for later disposal.

7 HANDLING AND STORAGE

- Precautions for safe handling:** Wash hands thoroughly after handling.
Wear rubber gloves, goggles and chemical protective clothing.
Eating, drinking and smoking in the work area is prohibited.
- Conditions for safe storage, inc any incompatibilities:** Store locked up and away from incompatible chemicals.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Name	Std.	TWA-8hrs	STEL - 15 min.
Urea Hydrochloride	Not established		

ACGIH - American Control of Governmental Hygenists
OSHA - Occupational Safety and Health Administration

- Protective Gloves:** Rubber gloves
- Eye Protection:** Wear chemical safety goggles.

9 PHYSICAL AND CHEMICAL PROPERTIES

- Appearance:** Yellow Liquid
- Odor:** Characteristic
- Odor Threshold:** N/A
- PH:** <1
- Melting Point/Freezing Point:** N/A
- Initial Boiling Point and Boiling Range:** >100 C
- Flash Point:** None
- Evaporation Rate:** N/A
- Flammability (solid, gas):** Non flammable
- Upper/Lower flammability or explosive limits:** N/A
- Vapor Pressure:** N/A
- Vapor Density:** N/A
- Relative Density:** 1.205
- Solubility (ies):** Complete in water
- Partition Coefficient; n-octanol/water:** N/A
- Auto-ignition Temperature:** N/A
- Decomposition Temperature:** N/A
- Viscosity:** N/A

10 STABILITY AND REACTIVITY

- Reactivity:** Hazardous Polymerization will not occur.
- Chemical Stability:** Stable under normal conditions
- Possibility of Hazardous Reactions:** Hazardous polymerization does not occur.
- Incompatible Materials:** Avoid contact with strong oxidizers and strong acids.

Will react with alkali
Metals, strong oxidizing agents and strong bases. Do not mix with solutions containing bleach or ammonia.
Contact with metal (aluminum, zinc, tin) and sodium tetrahydroborate liberates hydrogen gas.
Carbon Dioxide, Carbon Monoxide
Oxides of carbon and nitrogen, hydrocarbons, and acid vapors and fumes.

Hazardous Decomposition Products:

11 TOXICOLOGICAL INFORMATION

Oral Administration: Not established for this product
Dermal administration: Not established for this product
Immediate effects: Irritation/ burns of skin and eyes.
Cancer Hazard: Not listed by IARC, NTP, OSHA, ACGIH
Routes of Exposure Eyes, Skin, Inhalation, Ingestion

12 ECOLOGICAL INFORMATION

Persistence and Degradability: Not Available
Biotic degradability: No data available
Bioaccumulation potential: Unlikely
Water result: Disperses in water.
Soil/Sediment Result: No data available

13 DISPOSAL CONSIDERATION

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

14 TRANSPORT INFORMATION

UN Number: 3265
UN Proper Shipping Name: CORROSIVE LIQUIDS,ACIDIC,ORGANIC,NOS(UREA HYDROCHLORIDE),
Transport Hazard Class (es): 8
Packing Group: III
ERG: 153
Additional DOT info Corrosive to Aluminum, Excepted per 49 CFR 173.154(d)(1)

15 REGULATORY INFORMATION

HMIS: Health: 2 Flammability: 0 Reactivity: 1

Sara Hazard Classification The chemicals in this product are not subject to SARA Title III , Section 313 Reporting Requirements.
Proposition 65 No Proposition 65 listed components in this formula
TSCA Inventory Status All components of this product are on the TSCA inventory or are exempt from TSCA inventory requirements .

16 OTHER INFORMATION

Disclaimer: The information is based on our knowledge to date but does not constitute an assurance of product properties and does not imply a legal contractual relationship.