



Safety Data Sheet

Better Chemistry. Better Business

EMERALD HD 2

Revised: 3/20/26

1 IDENTIFICATION

Product Name: EMERALD HD 2

Product Code :2052092

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 2B

Hazard Statements: Causes skin irritation.

Causes eye irritation.

Prevention: Wash skin thoroughly after handling.

Wear rubber gloves, goggles and chemical protective clothing.

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 .

3 COMPOSITION INFORMATION

Chemical Name	Common Name And Synonyms	CAS No. and other Unique identifiers	Concentration %
Sodium Citrate		68-04-2	0-1%
Water		7732-18-5	80-85%
Sodium Carbonate	Soda Ash	497-19-8	1-3 %
Dowanol DPnB		29911-28-2	1-5%
Non Hazardous non-ionic surfactant blend		mix	1-5%

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.

Spills produce extremely slippery surfaces

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, eye protection, and chemical protective clothing.
Eating, drinking and smoking in the work area is prohibited.
- Conditions for safe storage, inc any incompatibilities:** Store in properly sealed and labeled containers. Do not store outside.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Name	Std.	TWA-8hrs	STEL - 15 min.
No hazardous ingredients	Not established		

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

- Protective Gloves:** Wear rubber gloves.
- Eye Protection:** Wear chemical safety goggles & full face shield

9 PHYSICAL AND CHEMICAL PROPERTIES

- Appearance:** Amber Liquid
- Odor:** fruity odor
- Odor Threshold:** N/A
- PH:** <10.5
- Melting Point/Freezing Point:** NA
- Initial Boiling Point and Boiling Range:** NA
- Flash Point:** NA
- Evaporation Rate:** N/A
- Flammability (solid, gas):** N/A
- Upper/Lower flammability or explosive limits:** non-flammable
- Vapor Pressure:** NA
- Vapor Density:** NA
- Relative Density:** 1.02-.1.03
- Solubility (ies):** 100%
- Partition Coefficient; n-octanol/water:** NA
- Auto-ignition Temperature:** N/A
- Decomposition Temperature:** NA
- Viscosity:** NA

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.

11 TOXICOLOGICAL INFORMATION

Oral Administration: Not established for this product
Dermal administration: Not Established
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: Will biodegrade readily
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 Proper Shipping Name: NOT D.O.T. REGULATED

15 REGULATORY INFORMATION

HMIS: Health: 1 Flammability: 0 Reactivity: 0

Sara Hazard Classification The chemicals in this product are not subject to SARA Title III, Section 313 Reporting Requirements.
Sara Hazard Classification SARA 302 - Extremely Hazardous Substances; None present
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.