

MATERIAL SAFETY DATA SHEET

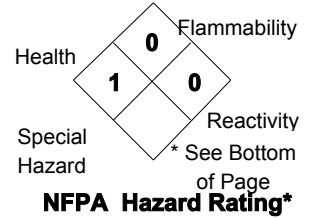
Manufactured by:

Anderson

Chemical Company

325 SOUTH DAVIS AVENUE
LITCHFIELD, MINNESOTA 55355
(320) 693-2477

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Product Name: HPG Delimer

24-HOUR EMERGENCY PHONE #: 1-800-424-9300 (CHEMTREC)

Revised: 2/4/2011

lmt

Supersedes:

I. IDENTIFICATION

Chemical Name And Synonyms:

2-Hydroxy-1,2,3 Propane Tricarboxylic Acid, Aqueous solution

DOT Shipping Name

Not applicable

Chemical Family:

Organic acid

DOT Hazard Class & I.D. Number

Not applicable

PG

II. HAZARDOUS INGREDIENTS

Component	CAS NO.	%	TLV	PEL	Toxic	Hazard
Citric acid	77-92-9	<10	NE	NE	NA	Eye and skin irritant

**Toxic chemical subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR §372).

NA: Not applicable
NE: Not established

III. PHYSICAL DATA

Boiling Point: Not applicable
Specific Gravity: 1.021
Appearance: Clear, lime green liquid

Form: Liquid
Solubility In Water: Complete
Odor: Odorless

IV. FIRE AND EXPLOSION HAZARD DATA

Flashpoint: Not Applicable

Extinguishing Media: Product is not combustible. Use media appropriate to primary source of fire.

Special Fire Fighting Procedures: If a fire occurs in the near vicinity, good fire-fighting practice dictates the use of self-contained breathing apparatus and other protective gear.

Unusual Fire And Explosion Hazards: Not applicable

V. HEALTH HAZARD DATA

Carcinogenic: The raw materials used in this product are not considered to be a carcinogen by ACGIH and OSHA.
Effects Of Over-exposure: Causes eye irritation, possibly severe. May cause skin irritation. Ingestion causes irritation to the gastrointestinal tract.

Emergency And First Aid Procedures: Eyes: Flush immediately with water for 15 minutes. Lift upper and lower eyelids for complete rinsing. Get immediate medical attention.

Skin: Flush with water for 15 minutes. If irritation persists after rinsing, get medical attention. Remove contaminated clothing and wash before reuse.

Ingestion: Rinse mouth with water. Give water to dilute. Do not induce vomiting. Get immediate medical attention. Never give anything by mouth to a semi-comatose, comatose, convulsing or unconscious person.

* NFPA/HMIS Degree or Hazard: 4 = Extreme; 3 = High; 2 = Moderate; 1 = Slight; 0 = Insignificant.

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HMIS A. Safety Glasses B. Safety Glasses, Gloves C. Safety Glasses, Gloves, Apron D. Face Shield, Gloves, Apron E. Safety Glasses, Gloves, Dust Respirator F. Safety Glasses, Gloves, Apron, Dust Respirator G. Safety Glasses, Gloves, Vapor Respirator H. Splash Goggles, Gloves, Apron, Vapor Respirator I. Safety Glasses, Gloves, Vapor and Dust Respirator J. Splash Goggles, Gloves, Apron, Vapor and Dust Respirator K. Air Line, Hood or Mask, Gloves, Full Suit, Boots X. Ask your supervisor for guidance.

VI. REACTIVITY DATA

Stability - Unstable: **Stable: x**
Conditions To Avoid: Not applicable

Incompatibility: Alkalis, strong oxidizing agents (ie. hypochlorites). Reactive metals such as aluminum and magnesium (Materials to Avoid)

Hazardous Decomposition Products: Under burning conditions, carbon dioxide, carbon monoxide and various hydrocarbons are evolved.

VII. SPILL OR LEAK PROCEDURES

Steps To Be Taken In Case Material Is Released Or Spilled:

Utilize recommended protective clothing. Dike and absorb onto an absorbent and placed in approved containers. Residual material may be neutralized with soda ash, diluted with water. Prevent bulk, concentrated material from entering sewer or open waterway.

Waste Disposal Method: Dispose according to federal, state and local regulations.

VIII. SPECIAL PROTECTION INFORMATION

Respiratory Protection: Respiratory protection is not required for normal use. If exposure potential exists, wear NIOSH approved respirator.

Ventilation: Sufficient mechanical ventilation to maintain exposure level below recommended exposure limits.

Protective Gloves: Use gloves to protect skin (impervious).

Eye Protection: Safety glasses or goggles.

Protective Clothing: If skin contact is likely, wear protective clothing.

IX. SPECIAL PRECAUTIONS

Precautions To Be Taken In Handling And Storing:

Store in cool, dry area. Keep cover on when not in use. Minimize skin contact. Wash with soap and water after handling.

Other Precautions A source of water to rinse eyes and skin in case of contact should be maintained in the work area.

X. REVISED INFORMATION

MSDS Status:

The opinions expressed herein are those of qualified experts within *ANDERSON* Chemical Company. We believe that the information contained herein is current as of the date of this Material Safety Data Sheet. Since the use of this information and these opinions and the conditions of use of the product are not within the control of *ANDERSON* Chemical Company, it is the user's obligation to determine the conditions of safe use of the product.