

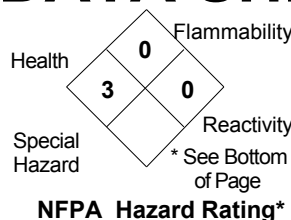
MATERIAL SAFETY DATA SHEET



Manufactured by:

ANDERSON

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



Health	3
Flammability	0
Reactivity	0
Personal Protection	X

HMIS Hazard Rating*

Product Name: **Geron IV**

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

Revised: 8/7/2006

Imt

Supersedes:

I. IDENTIFICATION

Chemical Name And Synonyms:

Not applicable

DOT Shipping Name

Disinfectant, Liquid, Corrosive, N.O.S.
(Quaternary Ammonium Compound)

Chemical Family:

Quaternary ammonium compound

DOT Hazard Class & I.D. Number

Corrosive Material UN1903

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II. HAZARDOUS INGREDIENTS

Component	CAS NO.	%	TLV	PEL	Toxic	Hazard
Quaternary ammonium chlorides	Mixture	<15	Not Determined	Not Determined	NA	Corrosive
Ethanol	64-17-5	1-1.5	1000 ppm	1000 ppm	NA	Flammable

**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 determined

Specific Gravity: 0.992

Appearance: Colorless to pale straw

Form: Liquid

Solubility In Water: Complete

Odor: Mild

pH, Neat: 7.0 - 8.0

IV. FIRE AND EXPLOSION HAZARD DATA

Flashpoint: Not applicable

Extinguishing Media: Dry chemical, water fog, CO₂, foam

Special Fire

Fighting Procedures: Although this product is not combustible, if a fire occurs in the near vicinity, good firefighting practice dictates the use of self-contained breathing apparatus and other protective gear. Cool fire exposed containers with water spray.

Unusual Fire And

Explosion Hazards: Irritating and toxic gases or fumes may be released during a fire.

V. HEALTH HAZARD DATA

Carcinogenic: The raw materials used in this product are not considered to be a carcinogen by ACGIH, NTP, IARC, and OSHA.

Effects Of Over-exposure: Brief skin exposures may cause irritation and defatting of the skin. Prolonged exposure may cause severe irritation or burns. The severity of effects depend on concentration and how soon after exposure the area is washed. Eye contact causes burns and may result in permanent injury to eyes, including blindness. Mists and vapors can irritate the throat and respiratory tract. High vapor concentrations may cause CNS effects. Symptoms may include headaches, dizziness, and drowsiness. Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Emergency And First

Aid Procedures:

EYES: Immediately flush with water for at least 15 minutes, raise eyelids for complete rinsing. Get immediate medical attention.

Remove contact lenses after the first 5 minutes, then continue rinsing.

SKIN: Flush with water for 15 minutes. Call a physician for treatment advice. Remove contaminated clothing and wash before reuse.

INGESTION: Do not induce vomiting. Have person sip water. Call a physician or poison control immediately for treatment advice.

Never give anything by mouth to an unconscious person.

INHALATION: Remove person to fresh air. If breathing is difficult, administer oxygen if available, then get immediate medical attention. If victim is not breathing, call 911 and administer CPR.

* 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: Keep away from heat.

Incompatibility: Strong oxidizers or reducing agents.
(Materials To Avoid)

Hazardous

Decomposition Products: Toxic hydrogen chloride fumes, oxides of carbon and nitrogen.

VII. SPILL OR LEAK PROCEDURES

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

Small Spills: Remove ignition sources. Ensure adequate ventilation. Wear appropriate personal protective equipment. Mop up and flush away residue with water or absorb on absorbent material.

Large Spills: Isolate spill or leak area immediately. Keep unauthorized personnel away. Stay upwind. Keep out of low areas where vapors may accumulate. Dike far ahead of liquid spill for later disposal. Water spray may reduce vapor but will increase foaming. Water may not prevent ignition in closed spaces.

Spill Cleanup: Ventilate closed spaces before entering. All equipment used when handling the product must be grounded. Floor will be slippery. Do not touch or walk through spilled material. Stop leak if you can do it without risk. A vapor suppressing foam may be used to reduce vapors. Prevent entry into waterways, sewers, basements or confined areas. Absorb or cover with dry earth, sand or other noncombustible material and transfer to containers. Use clean non-sparking tools to collect absorbed material.

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

VIII. SPECIAL PROTECTION INFORMATION

Respiratory Protection: Respiratory protection is not required for normal use. If mist level is high, wear NIOSH approved respirator.

Ventilation: Adequate to maintain worker exposure below limits.

Protective Gloves: Rubber or neoprene

Eye Protection: Safety goggles. Use a face shield if splashing is possible.

Protective Clothing: If repeated or prolonged contact is anticipated, wear protective clothing appropriate to use conditions.

IX. SPECIAL PRECAUTIONS

Precautions To Be Taken In Handling And Storing:

Avoid contact with eyes, skin and clothing. Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet facilities. Wash thoroughly after handling using soap and water. Keep container tightly closed and in a cool, well-ventilated area.

Other Precautions: Eye wash stations and safety showers are recommended.

X. REVISED INFORMATION

MSDS Status: Supplier information update