

707N LIMESTONE NEUTRALIZER**SECTION I - PRODUCT IDENTIFICATION**

MANUFACTURER'S NAME AND ADDRESS: DIEDRICH TECHNOLOGIES, INC
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PRODUCT TRADE NAME: 707N LIMESTONE NEUTRALIZER

01-08

SECTION II - HAZARDOUS INGREDIENTS

NOTE: Hazardous acidic ingredients in this product are in a water diluted form; not in the pure concentrated acidic form.

CHEMICAL NAME	CAS NO.	NFPA CODE	TLV	PEL
ACETIC ACID	64-19-7	2/0/0/-	10ppm	10ppm

SECTION III - PHYSICAL DATA

BOILING POINT: 212°F
VAPOR PRESSURE (mm Hg): 11.7
VAPOR DENSITY (AIR=1): 2.1
SOLUBILITY IN WATER: COMPLETE

SPECIFIC GRAVITY (H₂O=1): 1.05
% VOLATILE BY VOLUME (%): 98
EVAPORATION RATE (butyl acetate=1): .97
APPEARANCE AND ODOR: Colorless liquid with strong vinegar odor.

SECTION IV - FIRE AND EXPLOSIVE HAZARD DATA

FLASH POINT: N/A
EXTINGUISHING MEDIA: N/A
FLAMMABLE LIMITS: N/A
SPECIAL FIRE FIGHTING PROCEDURES: Wear self contained breathing apparatus and full personal protective equipment to prevent any skin contact.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Water added to the acid may cause generation of heat and or fumes. Extreme high heat can liberate CO₂ and/or flammable alcohol vapors.

SECTION V - REACTIVITY DATA

STABILITY: Stable
CONDITIONS TO AVOID: Extreme heat
INCOMPATIBILITY (Materials to Avoid): Alkalis, all metals, organic materials, carbides and chlorates.
HAZARDOUS decomposition PRODUCTS: Heat or contact with water can cause the evolution of fumes and oxides of carbon.
HAZARDOUS POLYMERIZATION: Will not occur.

SECTION VI - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE:
ACUTE: Corrosive to all human tissue. Can cause severe burns to skin and eyes resulting in blindness and or death.
CHRONIC: May lead to contact dermatitis, corrosion of dental enamel, lung damage resulting in bronchitis, shortness of breath and emphysema.
CARCINOGENICITY: None known

SECTION VII - EMERGENCY AND FIRST AID PROCEDURES

EXPOSURE:

INHALATION: Remove victim to fresh air. If unconscious give artificial respiration. Immediately consult a physician.

INGESTION: If conscious, give 2 to 3 glasses of water. Do not induce vomiting. Consult a physician

EYES: Flush eyes with lids open for at least 15 minutes. Get medical attention immediately.

SKIN: Flush affected area with copious amounts of water, remove contaminated shoes and clothing. Consult a physician.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:

Use a NIOSH/MSHA approved dust/mist filter respirator for routine work purposes when exposure to mists exceeding the permissible exposure limits. The respirator use limitations made by NIOSH/MSHA or the manufacturer must be observed.

VENTILATION:

Local exhaust sufficient to minimize exposure to mist below permissible exposure limits.

PROTECTIVE CLOTHING:

Protect all body parts from contact by using full chemical resistant suit with tight fitting cuffs and collar, rubber boots and full face shield.

PROTECTIVE GLOVES:

Gloves should be rubber, PVC or neoprene.

EYE PROTECTION:

Close fitting safety chemical goggles and full face shield must be worn.

OTHER PROTECTIVE EQUIPMENT:

Apply Diedrich recommended skin barrier cream for additional protection. Chemical resistant boots and hardhat. Safety shower and eyewash or fresh running water close at hand at all times.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Freezes under 32°F. Avoid open containers. Do not store in hot areas. Add cautiously to cool water with agitation, heat is evolved. Treat empty containers as if they were full.

OTHER PRECAUTIONS:

Do not store in or pipe through any of the materials listed in Section V, use only approved plastic. Do not use any metal tools

LEGENDS:

0 = LEAST

1 = SLIGHT

2 = MODERATE

3 = HIGH

4 = EXTREME

N.D. = NOT DETERMINED

N.A. = NOT AVAILABLE

N/A = NOT APPLICABLE

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