

MATERIAL SAFETY DATA SHEET

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Section I: PRODUCT IDENTIFICATION

Product Name: RDF, Rapid Decalcifier

Date: 01/13

Item Number: D1210

Emergency Phone: 800-424-9300

Section II: COMPOSITION INGREDIENTS

Component(s): Hydrochloric Acid CAS# 7647-01-0, 11.1% w/v; EDTA TetraNa CAS 10378-23-1 <1%, Sodium Tartrate CAS 6106-24-7, Trace

Section III: HAZARDOUS IDENTIFICATION

Appearance: Clear liquid. Hydrochloric Acid concentration is limited ~1.3 Normal as offered

Potential Concerns/Effects: Exposure is hazardous to skin, eyes and respiratory tract. Mist or spray may irritate tissue, damage mucous membranes, eyes, mouth and respiratory track. Material could be toxic to kidneys, liver circulatory system and respiratory track. Repeated exposure may produce general deterioration of health in one or more organs.

Section IV: FIRST AID MEASURES

Emergency First Aid:

- Skin: Remove contaminated clothing. Wash affected area with soap and cool water for 15 minutes.
- Eyes: Thoroughly flush eyes with water for 15 minutes. Get immediate medical attention.
- Ingestion: Rinse mouth thoroughly with water, provided person is conscious and contact a physician immediately.
- Inhalation: Remove person to fresh air. If not breathing, give artificial respiration and contact physician.

Section V: FIRE FIGHTING MEASURES

Flash Point: NA **Flammable Limits: LEL** NA **UEL** NA

Extinguishing Media: Water spray, dry chemical, CO2 and foam

Special Fire Fighting Procedures: Wear protective clothing with NIOSH approved breathing apparatus.

Products of combustion may be harmful in a fire situation. Do not use direct water stream.

Unusual Fire & Explosion Hazards: May emit toxic fumes, chlorine gas under fire conditions. Reacts with most metals to produce flammable hydrogen gas.

NFPA estimated listing is Health 2, Flammability 0, Reactivity 0.

Section VI: ACCIDENTAL RELEASE MEASURES

Use appropriate safety equipment. Isolate the spill area and clean with water. Use dilute sodium carbonate to neutralize. Place all contaminated material in a closed container for disposal according to state and federal regulations.

Section VII: STORAGE AND HANDLING

Store in cool, dry, ventilated area with tightly closed container. Wash after handling and remove soiled clothing for cleaning.

Section VIII: EXPOSURE CONTROLS AND PROTECTION

Use only in well ventilated area. Eyes wash station and sink with ability rinse dust from skin should be available. Exposure limits for *OHSA PEL*, *ACGIH TLV/STEL* are 5ppm

Section IX: PHYSICAL DATA

Boiling Point: NA

Vapor Pressure mm Hg/20°C: 16kPa

Vapor Density (Air 1:1): 1.267

Solubility in H2O: Complete

Specific Gravity (H2O = 1): ~1

Percent Volatile by Vol: NA

Evaporation Rate (ether = 1): NA

Appearance: clear, colorless solution

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Section X: STABILITY AND REACTIVITY

Chemical Stability: Stable **Materials to Avoid:** Strong Oxidizers **Hazardous Decomposition:** Oxides of carbon
Hazardous Polymerization: Does not occur **Conditions to Avoid:** Excessive heat

Section XI: TOXICOLOGICAL INFORMATION

No data available for RTECS #62851-42-7 (unlisted), LD50/LC50; Carcinogenicity not listed by ACGIH, IARC, NIOSH, NTP and OSHA; no information available for epidemiology, teratogenicity, reproductive effects, neurotoxicity, mutagenicity

Section XII: ECOLOGICAL INFORMATION

Environmental Fate and Toxicity: No information available

Section XIII: DISPOSAL CONSIDERATIONS

All liquid and or contaminated material should be disposed of in compliance with Federal, State and Local regulations for disposal. Generators must determine if chemical waste is classified as hazardous waste. RCRA P and R-Series are not listed.

Section XIV: TRANSPORTATION REGULATIONS

DOT Classification; UN 3264, Corrosive Liquid, Acidic, Inorganic, N.O.S., 8, PG II

Section XV: REGULATORY INFORMATION US Federal

TSCA, including **Significant New List Rule**, CAS 62851-42-7 is not listed on inventory; **Health and Safety Reporting List**, not listed; **Chemical Test Rules**, not listed; **Section 12b**, not listed; **SARA Section 302 (RQ) & Section (TPQ)**, not listed; **Section 313**, not reportable

Clean Air Act: does not contain any hazardous materials or Class 1 or Class 2 Ozone depleters.

Clean Water Act: not listed as Hazardous Substances, Priority Pollutants or Toxic Pollutants

OSHA: are not considered highly hazardous

State: not on the states list from CA, FL MA, MN, NJ or PA

European/International Regulations: European Labeling, EC Directives

Hazardous Symbols: Not available

Risk Phase: Not available

Safety Phrases: S24/25 Avoid contact with eyes and skin; S37 Wear protective gloves; S45 In case of contact if feeling ill, contact a physician immediately; S28A Wash immediately if contact with skin

WGK (Water Danger/Protection) no information available

Canada-DSL/NDSL-WHMIS Not listed/available

Section XVI: DISCLAIMER INFORMATION

The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. StatLab Medical Products shall not be held liable for any damage resulting from handling or contact with this product.

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