

MATERIAL SAFETY DATA SHEET

(SIMILAR TO OSHA FORM 174)

N.A. = Not Applicable
Not Est. = Not Established
Prop. = Proprietary

SECTION 1 - MANUFACTURER / DISTRIBUTOR INFORMATION

Product Name: FORTRESS Spray Disinfectant Deodorant
Supplier's Name: National Chemical Laboratories of PA, Inc.
Supplier's Address: 401 N. 10th Street · Philadelphia PA 19123
HMS Hazard Code: Health: 1 Flammability: 4 Reactivity: 0 Other: 0
Chemical Family: Disinfectant Cleaner
D.O.T. Shipping Name: CONSUMER COMMODITY

Product #: 2004
Emergency Phone #: CHEM-TEL (800) 255-3924
Chemical Name: N.A. Proprietary Blend
Formula: N.A. Blended Product
Hazard Class: ORM-D **D.O.T. ID#:** N/A

SECTION 2 - HAZARDOUS INGREDIENTS

| CHEMICAL NAME | CAS NUMBER | % Concentration Range | Hazard Ratings (TLV/PEL) |
|--------------------|------------|-----------------------|--------------------------|
| Triethylene Glycol | 112-27-6 | PROP. | Not Est. |
| Isopropanol | 67-63-0 | PROP. | 400 ppm |
| Isobutane | 75-28-5 | PROP. | Not Est. |
| *Aqua Ammonia | 1336-21-6 | PROP. | 35 ppm |

* All chemical compounds marked with an Asterisk (*) are toxic chemicals subject to the reporting requirements of Section 313 of Title III of the Super fund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372. You must notify each person to whom this mixture or trade name product is sold. This statement must remain a part of this material safety data sheet.

SECTION 3 - PHYSICAL DATA

Boiling Point Range (°F): 11.7 - 572
Vapor Pressure (PSIG): 46
Vapor Density: 4.0
Solubility in Water: Soluble
Appearance: Clear

Specific Gravity: 0.700
Evaporation Rate: >1
Melting Point: NA
% Volatile Organic Content: 25%
Odor: Puri

SECTION 4 - FIRE AND EXPLOSION DATA

NFPA 30B Rating: 3
Flash Point (°F): 160 (TOC) **Flammable Limits: LEL:** 1.9 **UEL:** 8.5
Extinguishing Media: Use water fog, dry chemical or carbon dioxide.
Special Fire Fighting Procedures: Aerosol cans may rupture when heated.
Unusual Fire & Explosion Hazards: Heated cans may burst.

SECTION 5 - HEALTH HAZARD DATA

Route(s) of Entry: Inhalation: Yes Skin: Yes Ingestion: Yes **Threshold Limit Value:** Not Est.
Effects of Overexposure: May cause dizziness or narcosis in high vapor concentrations. Will cause defatting of skin. Effects are reversible. Long term exposure (years) to high concentrations of vapor may cause lung, liver or kidney damage. The solvents listed have been reported to effect the central nervous system. Aspiration hazard if swallowed. Eye and skin irritant. Eye irritation may be severe. May irritate respiratory tract.
Signs & Symptoms of Exposure: Inhalation - Difficulty in breathing. Skin - Redness. Ingestion - Vomiting
Emergency & First Aid Procedures: Give oxygen. Do not induce vomiting. Gastric lavage. Wash eyes and skin with water.
Conditions Aggravated by Exposure: Heart disease; Respiratory disorders
Listed Carcinogen, Mutagen, Teratogen (Ingredient, Source, Amount): Contains a substance known to the State of California to cause cancer or reproductive harm. When heated to temperatures above 150°C (300°F) in the presence of air product may form formaldehyde vapors.

SECTION 6 - REACTIVITY DATA

Stability: Stable
Incompatibility: Strong oxidizers, hypochlorites, silver, copper, iron, alkali metals, metallic mercury, aldehydes, organic acids, halogenated hydrocarbons, nitric acid, sulfuric acid, halogens brass.
Hazardous Decomposition Products: In fire will decompose to carbon dioxide, water, nitrogen compounds, formaldehyde, ammonia.
Hazardous Polymerization: Will not occur.

Conditions to Avoid: High temperatures

SECTION 7 - SPILL OR LEAK PROCEDURES

Steps to be taken if material is released or spilled: Use absorbent sweeping compound to soak up material. Put into container. Dispose as hazardous waste.
Waste Disposal Method: Dispose as hazardous waste in accordance with EPA RCRA.

SECTION 8 - SPECIAL PROTECTION INFORMATION

Respiratory Protection: Self contained breathing apparatus if Section 9 TLV limit exceeding.
Ventilation: Local
Protective Gloves: Not required if spraying.
Eye Protection: Goggles or safety glasses with side shields
Other Protective Equipment: Long sleeves and long pants.
Work/Hygienic Practices: Do not smoke while using. Wash hands after use.

SECTION 9 - SPECIAL PRECAUTIONS

Precautions to be taken in handling and storage: Keep away from heat, sparks or open flames. Store at temperatures below 120°F.
Other Precautions: When spraying more than one half can continuously or more than one can consecutively, use NIOSH approved respirator.

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Date Prepared - 10/05/00 By: G.C.