

8. EXPOSURE CONTROL/ PERSONAL PROTECTION, CONTINUED

Engineering Controls: Normal room ventilation.

Respiratory Controls: For reasonable uses of this material, respiratory protection should not be necessary.

Eye/Face Protection: Safety glasses to protect from splashing

Skin Protection: Rubber or plastic gloves to avoid drying and irritation to the skin.

Work Practice Control: Normal hygiene in the work area should be taken when working with or handling this product.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Physical appearance: Pale yellow to amber

Odor: Ammonia

pH: 10.5

Specific Gravity: 0.79

Water Solubility: Forms an emulsion

Melting Point Range: N/A

Freezing Point Range: < 32 °F

Boiling Point: > 212° F

Vapor Pressure: N/E

Vapor Density: N/E

Percent Volatile: Approx. 70%

V.O.C. (Calculated): 5.67 lbs/gal or 679.7 g/l

10. STABILITY AND REACTIVITY

Chemical Stability: This material is stable under normal handling and storage conditions as described in Section 7.

Conditions to Be Avoided: Heat, open flame.

Materials/Chemicals to be avoided: strong acids.

Decomposition type: Thermal Oxides of carbon and nitrogen

Hazardous Polymerization: WILL NOT OCCUR

Avoid the following to inhibit hazardous polymerization: NOT APPLICABLE

11. TOXICOLOGICAL INFORMATION

Acute Eye Irritation: Irritating to eyes.

Acute Skin Irritation: No test data found for product.

Acute Dermal Toxicity: No test data found for product.

Acute Respiratory Irritation: No test data found for product.

Acute Inhalation Toxicity: No test data found for product.

Acute Oral Toxicity: LD50 (rat)

Stoddard Solvent > 5 gm/kg

2-Propoxyethanol = 3089 mg/kg

VM&P Naphth > 5 gm/kg

Ammonium Hydroxide 25° Be = 350

mg/kg

Oleic Acid > 5 gm/kg

Isopropanolamine = 2098 mg/kg

Chronic Toxicity: This product does not contain any substances that are considered by OSHA, NTP, IARC OR ACGIH to be a probable or suspected human carcinogens. No additional test data was found for this product.

12. ECOLOGICAL INFORMATION

Ecotoxicological Information: No data found

13. DISPOSAL CONSIDERATIONS

This material is a flammable liquid and must be disposed in accordance with all local, state and federal regulations. IT CAN NOT BE DISPOSED OF IN A SANITARY SEWER SYSTEM.

14. TRANSPORTATION INFORMATION

For domestic ground shipments of containers of 1 gallon or less, this material is listed as ORM-D. For all other containers :

COMPOUNDS, CLEANING LIQUID (Contains Naphtha, Petroleum), 3, NA 1993, Packing group III.

Do not stack cartons more than five high.

15. REGULATORY INFORMATION

Inventory Issues: All components of this product are listed on the U.S. TSCA and Canadian DSL, chemical listings

16. OTHER INFORMATION

National Fire Protection Association Hazard Rating, NFPA

Health

2

Flammability

3

Reactivity

0

General

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DATE
11/16/05

MSDS CHANGES
DESCRIPTION OF CHANGE
Reissued

Disclaimer: The information herein is given in good faith but no warranty expressed or implied is made.

Prepared By: L&R Manufacturing Company

Date: 03/01/99

Product Name: # 112 ULTRASONIC INSTRUMENT CLEANING SOLUTION