

MATERIAL SAFETY DATA SHEET

Date Issued: 12/18/2008

MSDS No: 11414

Endust for Electronics Screen Cleaner

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Endust for Electronics Screen Cleaner
PRODUCT CODE: 11414

MANUFACTURER

Norazza, Inc.
 3938 Broadway
 Buffalo NY 14227
Product Stewardship: 716-677-4662

24 HR. EMERGENCY TELEPHONE NUMBERS

CHEMTREC (US Transportation) :(800) 424 - 9300
CANUTEC (Canadian Transportation) :(613) 996 - 6666
Emergency Phone :(716) 677-4662

2. HAZARDS IDENTIFICATION

HAZARD DESIGNATION

"Xi" - Irritant
 R36/38 - Irritating to eyes and skin.

POTENTIAL HEALTH EFFECTS

EYES: Avoid contact with eyes; may cause redness, irritation and conjunctivitis.

SKIN: Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

SKIN ABSORPTION: Skin absorption can occur.

INGESTION: Ingestion may cause nausea and diarrhea.

INHALATION: No hazard in normal industrial use.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES: Contact may cause eye irritation.

SKIN: May cause slight irritation.

SKIN ABSORPTION: Glycol ether ingredients may be absorbed through skin.

INGESTION: Ingestion may result in diarrhea and/or nausea.

INHALATION: No observable effects of overexposure.

ACUTE TOXICITY: Low hazard for usual industrial or commercial handling.

CHRONIC EFFECTS: Frequent or prolonged contact may irritate the skin and cause a skin rash (dermatitis).

CARCINOGENICITY: NOT listed

REPRODUCTIVE TOXICITY

REPRODUCTIVE EFFECTS: NOT listed

TERATOGENIC EFFECTS: Not considered a developmental toxicant.

3. COMPOSITION / INFORMATION ON INGREDIENTS

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MSDS No: 11414

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Chemical Name

Includes hazardous materials in non-reportable quantities

COMMENTS: There are no hazardous ingredients in reportable amounts as defined by the Federal Hazardous Substance Act and OSHA.

4. FIRST AID MEASURES

EYES: Flush eye with water for 15 minutes. Get medical attention.

SKIN: Wash with soap and water. Get medical attention if irritation develops or persists.

INGESTION: If swallowed, do not induce vomiting. If conscious and alert, give two glasses of water. Seek medical attention.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: None : ASTM D-56 (Tag C.C.)

GENERAL HAZARD: None

EXTINGUISHING MEDIA: Use alcohol foam, carbon dioxide, or water spray when fighting fires involving this material.

HAZARDOUS COMBUSTION PRODUCTS: Smoke, fumes and oxides of carbon.

FIRE FIGHTING PROCEDURES: Evacuate area and fight fire from a safe distance.

FIRE FIGHTING EQUIPMENT: As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear.

HAZARDOUS DECOMPOSITION PRODUCTS: None Expected.

6. ACCIDENTAL RELEASE MEASURES

GENERAL PROCEDURES: Absorb the liquid and scrub the area with detergent and water.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Wash thoroughly after handling. Use only in a well ventilated area. Follow all MSDS/label precautions even after container is emptied because they may retain product residues. Store in a cool dry place.

HANDLING: Empty containers will retain product residue and vapor and should be handled as if they were full.

STORAGE: Store in closed, properly labeled containers.

STORAGE TEMPERATURE: Store in a cool place below (120) F (49) C.

MATERIAL SAFETY DATA SHEET

Date Issued: 12/18/2008

MSDS No: 11414

Endust for Electronics Screen Cleaner

STORAGE PRESSURE: Store at local atmospheric pressure.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Local exhaust ventilation may be necessary to control any air contaminants to within their TLVs during the use of this product.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: For normal conditions, wear safety glasses. Where there is reasonable probability of liquid contact, wear splash-proof goggles.

SKIN: The glove(s) listed below may provide protection against permeation. Gloves of other chemically resistant materials may not provide adequate protection. Viton, Solvex, Butyl, Buna, Neoprene.

RESPIRATORY: A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

WORK HYGIENIC PRACTICES: Wash hands before eating and wash before reuse.

OTHER USE PRECAUTIONS: Emergency shower and eyewash facility should be in close proximity.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Pleasant

APPEARANCE: Clear, Colorless liquid

COLOR: Colorless

pH: 6 to 7

PERCENT VOLATILE: 99.8

VAPOR PRESSURE: < 0.01 mmHg@20C (VOC Composite Vapor Pressure)

BOILING POINT: 100°C (212°F)

FREEZING POINT: Not Established

FLASHPOINT AND METHOD: None : ASTM D-56 (Tag C.C.)

SOLUBILITY IN WATER: Soluble

DENSITY: 1.00 at 25°C (77°F)

VISCOSITY #1: 2000 to 4000 Centipoise at 25°C Brookfield rotational viscometer: #3 spindle @ 20 RPM @ 25C @ 3 min.

(VOC): 5.000 g/L

10. STABILITY AND REACTIVITY

STABILITY: Stable.

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POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: Heat, flames, ignition sources, and incompatibles.

HAZARDOUS DECOMPOSITION PRODUCTS: Hazardous decomposition products include oxides of carbon and nitrogen.

INCOMPATIBLE MATERIALS: Metals. Acidic conditions. Oxidizing materials.

11. TOXICOLOGICAL INFORMATION

ACUTE

EYES: Moderately to severely irritating

DERMAL LD₅₀: Slight to very low toxicity.

SKIN ABSORPTION: Skin absorption may occur with glycol ethers. No further information available.

ORAL LD₅₀: 5045 mg/kg (rat)

INHALATION LC₅₀: Slight to very low toxicity.

EYE EFFECTS: May be mildly irritating to eyes.

CARCINOGENICITY

IARC: NOT listed

NTP: NOT listed

OSHA: NOT listed

NEUROTOXICITY: Not Established

REPRODUCTIVE EFFECTS: NOT listed

TERATOGENIC EFFECTS: Test results indicate this compound/mixture is not teratogenic.

MUTAGENICITY: Not Established

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: There is limited information available on the environmental fate and effects of this material. The primary environmental concern for release is the impact on aquatic and terrestrial species. Due care should be taken to avoid the accidental release of this material into the environment.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Federal, State, and Local laws governing disposal of materials can differ. Ensure compliance with proper authorities before disposal.

GENERAL COMMENTS: Dispose of in a manner consistent with federal, state, and local regulations.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

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PROPER SHIPPING NAME: Nonhazardous

UN/NA NUMBER: NA

PACKING GROUP: NA

ROAD AND RAIL (ADR/RID)

PROPER SHIPPING NAME: Nonhazardous

HAZARD CLASS: No classification

AIR (ICAO/IATA)

SHIPPING NAME: Not restricted

UN/NA NUMBER: NA

PACKING GROUP: NA

VESSEL (IMO/IMDG)

SHIPPING NAME: Nonhazardous

UN/NA NUMBER: NA

PACKING GROUP: NA

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

FIRE: No **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** No **CHRONIC:** Yes

313 REPORTABLE INGREDIENTS: Ammonia (7664-41-7) Glycol ethers

TITLE III NOTES: Not listed as an Extremely Hazardous Substance.

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA REGULATORY: Glycol ethers, RQ = 1.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA STATUS: All components of this product are either listed or exempt from listing in the TSCA inventory.

OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA)

29 CFR1910.119---PROCESS SAFETY MANAGEMENT OF HIGHLY HAZARDOUS

CHEMICALS: None of the chemicals in this product are considered highly hazardous by OSHA.

CALIFORNIA PROPOSITION 65: This product does not contain any chemicals known to the State of California to cause cancer.

RCRA STATUS: Not classifiable

OSHA HAZARD COMM. RULE: Contents of this MSDS comply with the OSHA Hazard Communication Standard 29 CFR 1910.1200.

CANADA

WHMIS CLASS: Class D2B - Toxic Materials

EUROPEAN COMMUNITY

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MSDS No: 11414

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EEC LABEL SYMBOL AND CLASSIFICATION



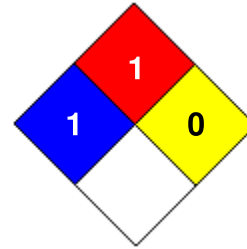
"Xi" - Irritant
R36/38 - Irritating to eyes and skin.

16. OTHER INFORMATION

APPROVED BY: Pierce A. Pillon **TITLE:** Chemist

REVISION SUMMARY: New MSDS

NFPA CODES



DATA SOURCES: Code of Federal Regulations (CFR) The Sigma-Aldrich Library of Regulatory and Safety Data OSHA Hazard Communication Standard (29CFR1910.1200) Various Federal, State and Local Regulations

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