

Etc.

MATERIAL SAFETY DATA SHEET

Finished Product



Date-Issued: 01/02/2003
MSDS Ref. No: 1742-B
Date-Revised: 06/02/2004
Revision No: 2

Etc.

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Etc.

PRODUCT DESCRIPTION: Anti-Static Glass & Enclosure Cleaner

PRODUCT CODE: 1742/CAN/EUR-2FP, PT, QT

MANUFACTURER

Techspray, L.P.
1001 N.W. 1st Street
P.O. Box 949
Amarillo, TX 79107
Contact: Chemtrec
Product Stewardship: 1-800-858-4043

24 HR. EMERGENCY TELEPHONE NUMBERS

CHEMTREC (U.S.): (800) 424-9300
CANUTEC: (613) 996-6666
Emergency Phone: 1-800-858-4043

2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>Wt.%</u>	<u>CAS#</u>	<u>EINECS#</u>
Water	85 - 95	7732-18-5	231-791-2
Acetic acid, chloro-, sodium salt, reaction products with 4,5-dihydro-2-undecyl-1H-imadazole-1-ethanol and sodium hydroxide	1 - 5	68608-66-2	271-794-6
2-Propanol	5 - 10	67-63-0	200-661-0

EEC LABEL SYMBOL AND CLASSIFICATION



R36/38 - Irritating to eyes and skin.

EEC Irritant - "Xi"

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

IMMEDIATE CONCERNS: May cause skin/eye irritaton. May be harmful if swallowed.

POTENTIAL HEALTH EFFECTS

EYES: Liquid contact can cause irritation, which may be severe.

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: No negative effects anticipated via absorption.

INGESTION: Ingestion may cause nausea and diarrhea.

INHALATION: No hazard in normal industrial use.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES: Can cause severe eye irritation.

SKIN: Prolonged or exposure may cause skin irritation.

SKIN ABSORPTION: None Expected.

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: Not Available

CARCINOGENICITY: Not yet Determined

MUTAGENICITY: Not Established

REPRODUCTIVE TOXICITY

TERATOGENIC EFFECTS: None Expected.

4. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water. Get medical attention, if irritation persists.

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: No specific treatment is necessary since this material is not likely to be hazardous by inhalation. If exposed to excessive levels of dusts or fumes, remove to fresh air and get medical attention if cough or other symptoms develop.

5. FIRE FIGHTING MEASURES

Etc.

FLASHPOINT AND METHOD: None

FLAMMABLE LIMITS: NA to NA

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 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

SMALL SPILL: Absorb the liquid and scrub the area with detergent and water. Pick up wash liquid with additional absorbent and place in a disposable container. Do not flush to sewer.

ENVIRONMENTAL PRECAUTIONS

WATER SPILL: This material is a water pollutant and should be prevented from contaminating soil or from entering sewage and drainage systems and bodies of water.

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.

STORAGE: Store in a cool place in original container and protect from sunlight.

STORAGE PRESSURE: Store at local atmospheric pressure.

STORAGE TEMPERATURE: Store in adequate storage area at ambient temp.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES:

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)

EXPOSURE LIMITS					
<u>OSHA PEL</u>		<u>ACGIH TLV</u>		<u>Supplier OEL</u>	
<u>ppm</u>	<u>mg/m³</u>	<u>ppm</u>	<u>mg/m³</u>	<u>ppm</u>	<u>mg/m³</u>

Etc.

Acetic acid, chloro-, sodium salt, reaction products with
4,5-dihydro-2-undecyl-1H-imadazole-1-ethanol and
sodium hydroxide

TWA	NL ^[1]	NL	NL	NL	NL	NL
STEL	NL	NL	NL	NL	NL	NL
TWA	400	980	400	983	NL	NL
STEL	500	1225	500	1230	NL	NL

2-Propanol

OSHA TABLE COMMENTS:

1. NL = Not Listed

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: NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.

PROTECTIVE CLOTHING: NOT listed

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

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Pleasant

APPEARANCE: Clear, Colorless liquid

COLOR: Colorless

pH: 7.0

PERCENT VOLATILE: 98

VAPOR PRESSURE: Not Applicable

VAPOR DENSITY: Not Available

BOILING POINT: 100°C (212°F)(760 mmHg)

FREEZING POINT: 0°C (32°F)

SOLUBILITY IN WATER: >100

EVAPORATION RATE: Not Established

DENSITY: 0.978

VISCOSITY: Not Applicable

MOLECULAR WEIGHT: Not Applicable

(VOC): 58.95 g/L

(VOC) NOTES: Non-exempt

COMMENTS:

WATER SOLUBILITY: % by weight in water

10. STABILITY AND REACTIVITY

STABLE: NO

HAZARDOUS POLYMERIZATION: NO

CONDITIONS TO AVOID: Stable. However, may decompose if heated.

STABILITY: Stable.

POLYMERIZATION: Will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Dioxide and carbon Monoxide may form when heated to decomposition.

INCOMPATIBLE MATERIALS: Strong acids and alkalis, reactive metals and strong oxidizing agents.

11. TOXICOLOGICAL INFORMATION

ACUTE

EYES: Irritation eye rabbit, severe

DERMAL LD₅₀: Mildly to moderately irritating.

ORAL LD₅₀: Not Established

INHALATION LC₅₀: None Expected.

Not Established

EYE EFFECTS: Severe eye irritant.

SKIN EFFECTS: Causes irritation to skin.

SUBCHRONIC:

Not Established

Not Established

CARCINOGENICITY:

IARC: Not Established

MUTAGENICITY: Not Established

REPRODUCTIVE EFFECTS: None known.

NEUROTOXICITY: None Expected.

TERATOGENIC EFFECTS: Not Established

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: Not Available

ECOTOXICOLOGICAL INFORMATION: Isopropyl alcohol has a high biochemical oxygen demand and a potential to cause oxygen depletion in aqueous systems, a low potential to affect aquatic organisms, a low potential to affect secondary waste treatment microbial metabolism, a low potential to affect the germination of some plants, a high potential to biodegrade (low persistence) with unacclimated microorganisms from activated sludge.

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)

PROPER SHIPPING NAME: Nonhazardous

PRIMARY HAZARD CLASS/DIVISION: No classification

UN/NA NUMBER: NA

PACKING GROUP: NA

AIR (ICAO/IATA)

PROPER SHIPPING NAME: Nonhazardous

PRIMARY HAZARD CLASS/DIVISION: No classification

UN/NA NUMBER: NA

PACKING GROUP: NA

VESSEL (IMO/IMDG)

PROPER SHIPPING NAME: Nonhazardous

PRIMARY HAZARD CLASS/DIVISION: No classification

UN/NA NUMBER: NA

PACKING GROUP: NA

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES: ACUTE

FIRE: NO **PRESSURE GENERATING:** NO **REACTIVITY:** NO **ACUTE:** YES
CHRONIC: NO

313 REPORTABLE INGREDIENTS: Not considered a SARA 313 "Toxic Chemical".

302/304 EMERGENCY PLANNING

EMERGENCY PLAN: NOT listed

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA REGULATORY: NOT listed

RCRA STATUS: D001

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

OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA)

29 CFR 1910.119---PROCESS SAFETY MANAGEMENT OF HIGHLY HAZARDOUS CHEMICALS: None of the chemicals in this product are considered highly hazardous by OSHA.

CANADA

WHMIS (WORKER HAZARDOUS MATERIALS INFORMATION SYSTEM): This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

EUROPEAN COMMUNITY

EEC LABEL SYMBOL AND CLASSIFICATION



R36/38 - Irritating to eyes and skin.

EEC Irritant - "Xi"

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

16. OTHER INFORMATION

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

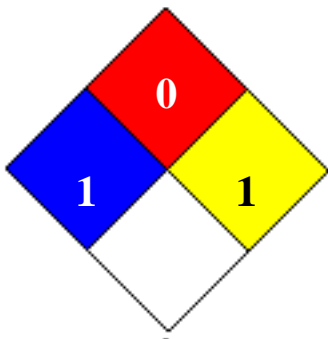
PREPARED BY: Steve Cook

REVISION SUMMARY Revision #: 2

This MSDS replaces the July 17, 2003 MSDS. Any changes in information are as follows:
In Section 15
EEC Risk Phrase Codes

Etc.

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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