

MATERIAL SAFETY DATA SHEET

Finished Product



Date-Issued: 01/02/2003
MSDS Ref. No: 1722
Date-Revised: 04/22/2004
Revision No: 2

Zero Charge Cleaner/Neutralizer

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Zero Charge Cleaner/Neutralizer
PRODUCT DESCRIPTION: Floor Cleaner/Neutralizer
PRODUCT CODE: 1722/CAN/EUR-G, 5G, 54G
PRODUCT FORMULATION NAME: Zero Charge Cleaner/Neutralizer

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	50 - 75	7732-18-5	231-791-2
2-Propanol	1 - 2	67-63-0	200-661-0
Nonionic Emulsifier (ID# OP0404)	<1		
Tetrasodium ethylenediaminetetraacetate	<1	13235-36-4	
Sodium hydroxide	1 - 2	1310-73-2	215-185-5
VARIQUAT 66	5 - 7	68071-95-4	
Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts	10 - 15	68584-23-6	271-529-44
Poly(oxy-1,2-ethanediyl),-(nonylphenyl)-w-hydroxy	1 - 5	9016-45-9	xxx-xxx-x

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

SKIN: May cause skin irritation.

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: Symptoms of overexposure include: stinging, tearing, redness and pain.

SKIN: May cause slight irritation.

SKIN ABSORPTION: None Expected.

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

INHALATION: No observable effects of overexposure.

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

CHRONIC: Not Established

CARCINOGENICITY: Ethylene oxide is NTP- and IARC-listed as as carcinogen.

MUTAGENICITY: Not Established

REPRODUCTIVE TOXICITY

TERATOGENIC EFFECTS: None Expected.

CANCER STATEMENT: Possible cancer hazard based on tests with laboratory animals.

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: 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.)

EXTINGUISHING MEDIA: Water, foam, dry chemical, carbon dioxide.

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: Avoid runoff into storm sewers and ditches which lead to waterways.

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)

		<u>EXPOSURE LIMITS</u>					
		<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>
2-Propanol	TWA	400	980	400	983	NL ^[1]	NL

	STEL	500	1225	500	1230	NL	NL
Nonionic Emulsifier (ID# OP0404)	TWA	NE		NE		NE	
	STEL	NE		NE		NE	
Sodium hydroxide	TWA	NL	NL	NL	NL	NL	NL
	STEL	NL ^[2]	C 2	NL	C 2	NL	NL

Poly(oxy-1,2-ethanediyl),-(nonylphenyl)-w-hydroxy

OSHA TABLE COMMENTS:

1. NL = Not Listed

2. C = Ceiling

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.

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

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Pleasant, soapy odor.

COLOR: Dark blue.

pH: 7.2

PERCENT VOLATILE: 70

VAPOR PRESSURE: Not Applicable

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

FREEZING POINT: 0°C (32°F)

SOLUBILITY IN WATER: 100

SPECIFIC GRAVITY: 1.03 (water=1)

MOLECULAR WEIGHT: Not Applicable

(VOC): 14.48 g/L (non-exempt VOC)

COMMENTS:

WATER SOLUBILITY: % by weight in water

10. STABILITY AND REACTIVITY

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

STABILITY: Stable.

POLYMERIZATION: Will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS: Forced combustion yields carbon and silicone oxides.

INCOMPATIBLE MATERIALS: None known.

11. TOXICOLOGICAL INFORMATION

ACUTE

EYES: Irritation eye rabbit, severe

DERMAL LD₅₀: Mildly to moderately irritating.

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

ORAL LD₅₀: Oral - Rat LD50:5045 mg/kg for 2-propanol.

INHALATION LC₅₀: Slight to very low toxicity.

Not Established

EYE EFFECTS: Mixture is a moderate eye irritant.

SKIN EFFECTS: Causes irritation to skin.

SUBCHRONIC:

Not Established

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: Not Regulated

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: YES

313 REPORTABLE INGREDIENTS: Glycol ethers (fractional 0.05-0.15%)

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA REGULATORY: Residual ethylene oxide, RQ=10.
Glycol ethers, RQ=1.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA STATUS: All chemicals in this product are listed in the TSCA inventory.

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: Residual ethylene oxide, CAS# 75-21-8.

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 contains a residual component (ethylene oxide, CAS# 75-21-8) known in 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 September 25, 2003 MSDS. Any changes in information are as follows:

In Section 3

Carcinogenicity

In Section 5

Lower °F Upper °F (Group Field) for Flash Point

In Section 9

(Group Field) for Vapor Pressure Density VOC (Unit) (Group Field) for Evaporation Rate Volatile Org Comp (VOC)

In Section 10

Stability (Y/N)? Hazardous Polymerization (Y/N)?

In Section 11

IARC

In Section 15

Chronic SARA Title III Notes RCRA Status 302/304 Emergency Planning EEC Risk Phrase Codes

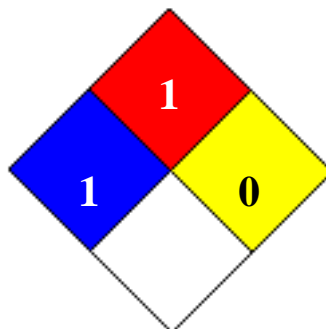
In Section 16

HMIS Flammability HMIS Health HMIS Reactivity NFPA Flammability

HMIS RATING

HEALTH:		1
FLAMMABILITY:		1
PHYSICAL HAZARD:		0
PERSONAL PROTECTION:		

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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