

MATERIAL SAFETY DATA SHEET

Finished Product



Date Issued: 12/31/2002
MSDS No: 1726
Date Revised: 07/17/2012
Revision No: 8

Zero Charge Anti Stat

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Zero Charge Anti Stat
PRODUCT DESCRIPTION: Zero Charge Anti-Stat
PRODUCT CODE: 1726/CAN/EUR-2FP, PT,QT, G, 5G
ACTIVE INGREDIENT(S): Water

MANUFACTURER

Techspray, L.P.
1001 N.W. 1st Street
P.O. Box 949
Amarillo, TX 79107

Emergency Contact: Chemtrec
Emergency Phone: 1-800-858-4043
Service Number: 1-800-858-4043

24 HR. EMERGENCY TELEPHONE NUMBERS

CHEMTREC CCN#21858 (US Transportation) :(800) 424 - 9300
CANUTEC (Canadian Transportation) :(613) 996 - 6666
Emergency Phone :(800) 858 - 4043

2. HAZARDS IDENTIFICATION

HAZARD DESIGNATION

"Xn" - Harmful
R20/22 - Harmful by inhalation and if swallowed.
"Xi" - Irritant
R36/38 - Irritating to eyes and skin.

POTENTIAL HEALTH EFFECTS

EYES: Moderately irritating to the eyes.
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: Harmful if swallowed.
INHALATION: No hazard in normal industrial use.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES: Symptoms of overexposure include: stinging, tearing, redness and pain.
SKIN: Prolonged exposure causes redness, pain, drying and cracking of the skin.
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 EFFECTS: Not Established
CARCINOGENICITY: Not Available
MUTAGENICITY: Not Established

3. COMPOSITION / INFORMATION ON INGREDIENTS

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Chemical Name	Wt.%	CAS	EINECS
Water	80 - 90	7732-18-5	231-791-2
Ethylbis (hydroxyethyl) tallow alkyl, ethoxylated, Et sulfates	1 - 5	68071-95-4	
Ethanol	5 - 10	64-17-5	200-578-6
2-Propanol	< 1	67-63-0	200-661-7

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

FLAMMABLE LIMITS: NA to NA

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.

HANDLING: Use with adequate ventilation.

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

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

STORAGE PRESSURE: Store at local atmospheric pressure.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)							
		EXPOSURE LIMITS					
		OSHA PEL		ACGIH TLV		Supplier OEL	
Chemical Name		ppm	mg/m ³	ppm	mg/m ³	ppm	mg/m ³
Ethanol	TWA	1000 ppm	1900 mg/m ³	1000 ppm	1880 mg/m ³	NL	NL
	STEL	NL ppm	NL mg/m ³	NL ppm	NL mg/m ³	NL	NL
2-Propanol	TWA	400 ppm	980 mg/m ³	400 ppm	983 mg/m ³	NL [1]	NL [1]
	STEL	500 ppm	1225 mg/m ³	500 ppm	1230 mg/m ³	NL	NL
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

Chemical Name	Flash Point (°C)	Boiling Point (°C)	Specific Gravity
2-Propanol	11.7	82.4	0.785

PHYSICAL STATE: Liquid

ODOR: Pleasant

APPEARANCE: Clear, Colorless liquid

COLOR: Colorless

pH: 7.0

PERCENT VOLATILE: 97

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VAPOR PRESSURE: Not Applicable
VAPOR DENSITY: Not Available
BOILING POINT: 100°C (212°F) (760 mmHg)
FREEZING POINT: 0°C (32°F)
FLASHPOINT AND METHOD: None
SOLUBILITY IN WATER: 100
Notes: % by weight in water
EVAPORATION RATE: Not Established
DENSITY: 0.978 at 25°C
VISCOSITY: Not Applicable
MOLECULAR WEIGHT: Not Applicable
(VOC): 58.140 g/L

10. STABILITY AND REACTIVITY

STABLE: No
HAZARDOUS POLYMERIZATION: No
STABILITY: Stable.
POLYMERIZATION: Will not occur.
HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of Carbon (CO and CO₂) may form when heated to decomposition.
INCOMPATIBLE MATERIALS: Strong acids and alkalis, reactive metals and strong oxidizing agents.

11. TOXICOLOGICAL INFORMATION

ACUTE

EYES: Moderately to severely irritating
DERMAL LD₅₀: Not Established
SKIN ABSORPTION: Not Established
ORAL LD₅₀: Not Established
INHALATION LC₅₀: None Expected.
NOTES: Not Established
EYE EFFECTS: Mixture is a moderate eye irritant.
SKIN EFFECTS: Draize test, rabbit, skin: 500 mg Mild.
CHRONIC: Not Established
SUBCHRONIC: Not Established
CARCINOGENICITY

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Chemical Name	NTP Status	IARC Status	OSHA Status
Ethanol	NOT LISTED	NOT LISTED	NOT LISTED
2-Propanol	NOT LISTED	NOT LISTED	NOT LISTED

IARC: Not Established

NEUROTOXICITY: None Expected.

REPRODUCTIVE EFFECTS: None known.

TERATOGENIC EFFECTS: Not Established

MUTAGENICITY: 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

ROAD AND RAIL (ADR/RID)

HAZARD CLASS: Not Regulated

AIR (ICAO/IATA)

SHIPPING NAME: Nonhazardous

UN/NA NUMBER: NA

PRIMARY HAZARD CLASS/DIVISION: Not Regulated

PACKING GROUP: NA

VESSEL (IMO/IMDG)

SHIPPING NAME: Nonhazardous

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Zero Charge Anti Stat**UN/NA NUMBER:** NA**PRIMARY HAZARD CLASS/DIVISION:** Not Regulated**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:** 2-propanol (<1%)**EPCRA SECTION 313 SUPPLIER NOTIFICATION**

Chemical Name	Wt.%	CAS
2-Propanol	< 1	67-63-0

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Water	7732-18-5
Ethanol	64-17-5
2-Propanol	67-63-0

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 CFR 1910.119---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:** U154**OSHA HAZARD COMM. RULE:** Contents of this MSDS comply with the OSHA Hazard Communication Standard 29 CFR 1910.1200.**EUROPEAN COMMUNITY****EEC LABEL SYMBOL AND CLASSIFICATION**

"Xn" - Harmful
R20/22 - Harmful by inhalation and if swallowed.



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16. OTHER INFORMATION

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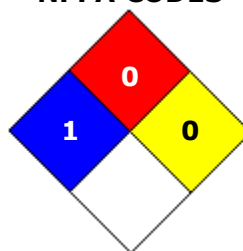
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APPROVED BY: Pierce A. Pillon **TITLE:** Chemist

PREPARED BY: Steve Cook

REVISION SUMMARY: This MSDS replaces the 03/02/2012 MSDS. Revised: **Section 2:** EMERGENCY OVERVIEW - IMMEDIATE CONCERNS POTENTIAL HEALTH EFFECTS - INGESTION TERATOGENIC EFFECTS. **Section 15:** CERCLA REGULATORY, CERCLA RQ, 302/304 EMERGENCY PLANNING, 313 REPORTABLE INGREDIENTS, 40 CFR PART 68---RISK MANAGEMENT FOR CHEMICAL ACCIDENT RELEASE PREVENTION.

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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