



Zero Charge® Mat & Table Top Cleaner

Anti-Static Cleaner

1733

Introduction

A neutral pH cleaner for general use in production areas that removes insulating contaminants such as flux residues, oils, greases, nicotine, dirt, and grime. Mat & Table Top Cleaner eliminates charge while leaving an anti-static agent that helps prevent static charge build-up.

Features / Benefits

- Rejuvenates Anti-Static Mats
- No Ammonia
- Non-Corrosive
- Anti-Static Formulation
- Non-Abrasive
- Leaves No Insulating Film

Chemical Components

Deionized Water.....	(7732-18-5)	95-99%
Sodium Hydroxide.....	(1310-73-2)	<<1%
Poly(oxy-1,2-ethanediyl.....	(9016-45-9)	<1%
Dodecylbenzene Sulfonic Acid.....	(27176-87-0)	<1%
Isopropanol.....	(67-63-0)	.4%
Tetrasodium Ethylenediamine-Tetraacetate		<<1%
Diethanol Amide of coconut fatty acid		<<1%
Sodium Tripolyphosphate.....	(7758-29-4)	<<1%

Environmental Policy

Techspray® is committed to developing products to ensure a safer and cleaner environment. We will continue to meet and sustain the regulations of all federal, state and local government agencies.

Packaging and Availability

Zero Charge® Mat & Table Top is available in the following sizes:

- | | |
|----------|---------------------------------|
| 1733-2FP | 2 Ounce Finger Pump |
| 1733-PT | 1 Pint with Trigger in Plastic |
| 1733-QT | 1 Quart with Trigger in Plastic |
| 1733-G | 1 Gallon in Plastic |
| 1733-5G | 5 Gallons in Plastic |

Resources

Techspray® products are supported by a global sales, technical and customer services resources.

For additional technical information on this product or other Techspray® products in the United States, call the technical sales department at 800-858-4043, email tsales@techspray.com or visit our web site at: www.techspray.com.

North America

Tech Spray L.P.
P.O. Box 949
Amarillo, TX 79105
800-858-4043
email: tsales@techspray.com

Europe

Techspray International
UNIT 4, 44/46 Bunyan Road, Kempston
Bedford MK42 8HL United Kingdom
+44 (0) 1234 855443
email: tseurope@techspray.com

Countries Outside US

Call to locate a distributor
in your country.

Important Notice to Purchaser/User: The information in this publication is based on tests that we believe are reliable. The results may vary due to differences in tests type and conditions. We recommend that each user evaluate the product to determine its suitability for the intended application. Conditions of use are outside our control and vary widely. Techspray's only obligation and your only solution is replacement of product that is shown to be defective when you receive it. In no case will Techspray® be liable for any special, incidental, or consequential damages based on breach of warranty, negligence or any other theory.



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MATERIAL SAFETY DATA SHEET

Finished Product

Date-Issued : 01/02/2003
MSDS Ref. No : 1733-B
Date-Revised : 04/24/2006
Revision No : 4

Zero Charge Mat & Table Top Cleaner

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Zero Charge Mat & Table Top Cleaner**PRODUCT DESCRIPTION:** Mat/Table Top Cleaner**PRODUCT CODE:** 1733/CAN/EUR-2FP, PT, QT, G, 5G, 54G**PRODUCT FORMULATION NAME:** Zero Charge Mat & Table Top Cleaner

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

2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>Content</u>	<u>CAS</u>	<u>EINECS</u>
Water	90 - 95	7732-18-5	231-791-2
2-Propanol	< 1	67-63-0	200-661-0
Nonionic Emulsifier (ID# OP0404)	< 1		
Tetrasodium ethylenediaminetetraacetate	< 1	13235-36-4	
Sodium hydroxide	< 1	1310-73-2	215-185-5
Crodaquat 66	< 1	68071-95-4	
Benzenesulfonic acid, C10-16-alkyl derivs.	< 2	68584-22-5	271-528-9
Poly(oxy-1,2-ethanediyl),-(nonylphenyl)-w-hydroxy	< 1	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: 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: Not Established

CARCINOGENICITY: Not Established

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: 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.

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>Chemical Name</u>	<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 ppm	980 mg/ m3	400 ppm	983 mg/ m3	NL [1]	NL
	STEL	500 ppm	1225 mg/m3	500 ppm	1230 mg/m3	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
Benzenesulfonic acid, C10-16-alkyl derivs.	TWA	NL ppm	NL mg/ m3	NL ppm	NL mg/ m3	NL ppm	NL mg/ m3
	STEL	NL ppm	NL mg/ m3	NL ppm	NL mg/ m3	NL ppm	NL mg/ m3

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: Chloroprene or nitrile gloves are recommended for use with this product.

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

COLOR: Light blue.

pH: 7.2

PERCENT VOLATILE: 70

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

SPECIFIC GRAVITY: 1.03 (water=1)

MOLECULAR WEIGHT: Not Applicable

(VOC): 11 g/L

(VOC) NOTES: Non-exempt

COMMENTS:

WATER SOLUBILITY: % by weight in water

10. STABILITY AND REACTIVITY

STABLE: YES

HAZARDOUS POLYMERIZATION: NO

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

STABILITY: Stable.

POLYMERIZATION: Will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of Carbon (CO and CO₂) may form when heated to decomposition.

INCOMPATIBLE MATERIALS: None known.

11. TOXICOLOGICAL INFORMATION

<u>INGREDIENT(S)</u>	<u>ORAL LD₅₀ (rat)</u>	<u>DERMAL LD₅₀ (rabbit)</u>	<u>INHALATION LC₅₀ (rat)</u>
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Nonionic Emulsifier (ID# OP0404)	3.05 - g/kg		
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Poly(oxy-1,2-ethanediyl),-	3.31 - g/kg		
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(nonylphenyl)-w-hydroxy			
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ACUTE

EYES: Irritation eye rabbit, severe

DERMAL LD₅₀: Mildly to moderately irritating.

SKIN ABSORPTION: Not Established

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

CHRONIC: 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: Not Regulated

UN/NA NUMBER: NA

PACKING GROUP: NA

ROAD AND RAIL (ADR/RID):

HAZARD CLASS: No classification

AIR (ICAO/IATA)

PROPER SHIPPING NAME: Nonhazardous

UN/NA NUMBER: NA

PRIMARY HAZARD CLASS/DIVISION: No classification

PACKING GROUP: NA

VESSEL (IMO/IMDG)

PROPER SHIPPING NAME: Nonhazardous

UN/NA NUMBER: NA

PRIMARY HAZARD CLASS/DIVISION: No classification

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: Glycol ethers

TITLE III NOTES: Residual ethylene oxide CAS# 75-21-8, range <0.0001%.

302/304 EMERGENCY PLANNING

EMERGENCY PLAN: Residual ethylene oxide, range < 0.0001%

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.

RCRA STATUS: NA = Not Applicable

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.

THRESHOLD QUANTITY: 5000

CANADA

WHMIS (WORKPLACE 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

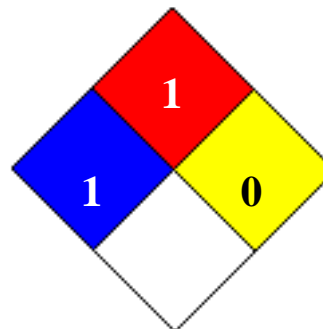
PREPARED BY: Steve Cook

REVISION SUMMARY Revision #: 4 This MSDS replaces the September 01, 2005 MSDS. Any changes in information are as follows: In Section 8 Skin Protection In Section 16 HMIS Flammability HMIS Protection NFPA Flammability

HMIS RATING

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

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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