Product Information

Zero Charge® Screen & Keyboard Cleaner

Anti-Static Cleaner

1743

Introduction

With regular use, this cleaner will eliminate static charge from sensitive surfaces and provide long-term static protection. Removes hand oils, ink marks, dust, fingerprints, nicotine, syrup, carbon, and other soils from work areas. Safe on plastics.

Features / Benefits

Foaming Action
Cleans Plastic & Glass
Safe on Plastics
Non-Ozone Depleting
Non-Streaking

Chemical Components

Aerosol - 2-Butoxyethanol	(111-76-2)	1-10%
Water	(7732-18-5)	80-90%-Aerosol 30-40%-Bulk
Aerosol - Propane/Isobutane/n-Butane	(74-98-6)	1-10%
Bulk - Ethanol (Ethyl Alcohol)	(64-17-5)	60-70%
Bulk - Quaternary Ammonium Compounds	(68071-95-4)	<5%
Bulk - Nonylphenoxypoly(ethyeneoxy)-Ethanol	(9016-45-9)	<5%
Bulk - Isopropyl Alcohol	(67-63-0)	5-6%
Bulk – Methanol	(67-56-1)	2.6%
Bulk - Methyl Isobutyl Ketone	(108-10-1)	.6%

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® Screen & Keyboard Cleaner is available in the following sizes:

1743-50PK	50 Pre-Saturated Packets per Carton
1743-DSP	48 Pre-Saturated Wipes in Pop-Up Container
1743-6S	6 Ounce Aerosol
1743-PT	1 Pint with Trigger in Plastic
1743-QT	1 Quart with Trigger in Plastic

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MATERIAL SAFETY DATA SHEET

Finished Product

MSDS Ref. No: 1743-B

Zero Charge Screen & Keyboard Cleaner

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1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Zero Charge Screen & Keyboard Cleaner
PRODUCT DESCRIPTION: Zero Charge Screen & Keyboard Cleaner
PRODUCT CODE: 1743/CAN/EUR- 2FP, PT, QT

MANUFACTURER

Techspray, L.P.

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2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS#	EINECS#
Water	30 - 40	7732-18-5	231-791-2
Crodaquat 66	< 1	68071-95-4	
Ethanol	50 - 70	64-17-5	200-578-6
Methanol	8 - 10	67-56-1	200-659-6

EEC LABEL SYMBOL AND CLASSIFICATION

R11 - Highly flammable.

EEC Highly flammable - "F"

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

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5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: (68°F)TAG CC

FLAMMABLE LIMITS: 3.5% to 21.0%

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.

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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.

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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 PRESSURE: Store at local atomspheric pressure.

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

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES:

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)

	EXPOSURE LIMITS		
Chemical Name	**OSHA PEL**	**ACGIH TLV**	**Supplier OEL**

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		ppm	mg/m^3	ppm	mg/m^3	ppm	mg/m^3
Ethanol	**TWA**	1000 ppm	1900 mg/m3	1000 ppm	1880 mg/m3	NL	NL
	STEL	NL ppm	NL mg/m3	NL ppm	NL mg/m3	NL	NL
Methanol	**TWA**	S 200 ppm[1]	260 mg/m3	S 200 ppm	262 mg/m3	NL ppm	NL mg/m3
	STEL	250 ppm	310 mg/m3	250 ppm	328 mg/m3	NL ppm	NL

OSHA TABLE COMMENTS:
1. S = Skin

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.

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9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid
ODOR: Alcohol odor
COLOR: Yellow to Amber
pH: 7.0
PERCENT VOLATILE: 99
VAPOR PRESSURE: Not Applicable
VAPOR DENSITY: Not Available
BOILING POINT: 60°C (150°F)(760 mmHg)
FREEZING POINT: Not Determined
SOLUBILITY IN WATER: 100
EVAPORATION RATE: Not Established
DENSITY: 0.88 at 25°C
VISCOSITY: Not Applicable
MOLECULAR WEIGHT: Not Applicable
(VOC): 541.2 g/L
(VOC) NOTES: Non-exempt

COMMENTS:

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

313 REPORTABLE INGREDIENTS: Methanol

302/304 EMERGENCY PLANNING

EMERGENCY PLAN: Methanol (#67-56-1)

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA REGULATORY: Methanol (#67-56-1)

CERCLA RQ: 5000 lbs

TSCA (TOXIC SUBSTANCE CONTROL ACT)

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

RCRA STATUS: U154 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.

EUROPEAN COMMUNITY

EEC LABEL SYMBOL AND CLASSIFICATION

R11 - Highly flammable.

EEC Highly flammable - "F"

R23/25 - Toxic by inhalation and if swallowed.

EEC Toxic - "T"

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

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16. OTHER INFORMATION

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

PREPARED BY: Steve Cook

REVISION SUMMARY Revision #: 4 This MSDS replaces the December 08, 2004 MSDS. Any changes in information are as follows: In Section 14 DOT Proper Shipping Name DOT Primary Hazard Class/Division DOT

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