

# MATERIAL SAFETY DATA SHEET



**Date Issued:** 10/19/2004

**MSDS No:** 1743/CAN/EUR-5G

**Date Revised:** 11/30/2006

**Revision No:** 3

## Zero Charge Screen and Keyboard Cleaner

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Zero Charge Screen and Keyboard Cleaner

**PRODUCT CODE:** 1743/CAN/EUR-5G

**ACTIVE INGREDIENT(S):** Water

#### MANUFACTURER

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

**Emergency Contact:** Chemtrec

**Product Stewardship:** 1-800-858-4043

**Service Number:** 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

**COMMENTS:** This MSDS was reviewed on 30 Nov. 2006.

### 2. HAZARDS IDENTIFICATION

#### HAZARD DESIGNATION

##### EEC LABEL SYMBOL AND CLASSIFICATION



"F" - Highly flammable  
R11 - Highly flammable.



"T" - Toxic  
R23/25 - Toxic by inhalation and if swallowed.

#### EMERGENCY OVERVIEW

**IMMEDIATE CONCERNS:** Contains small amounts of methanol, which is harmful if swallowed.

#### 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 --- contains small amounts of methanol.

**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

**REPRODUCTIVE TOXICITY**

**TERATOGENIC EFFECTS:** Contains Methanol which has been established as a teratogen by inhalation. See Sec.11 for details.

**3. 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

**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:** (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.

**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.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### EXPOSURE GUIDELINES:

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)							
EXPOSURE LIMITS							
		OSHA PEL		ACGIH TLV		SupplierOEL	
Chemical Name		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Ethanol	TWA	1000 ppm	1900 mg/m <sup>3</sup>	1000 ppm	1880 mg/m <sup>3</sup>	NL	NL
	STEL	NL ppm	NL mg/m <sup>3</sup>	NL ppm	NL mg/m <sup>3</sup>	NL	NL
Methanol	TWA	S 200 ppm <sup>[1]</sup>	260 mg/m <sup>3</sup> <sup>[1]</sup>	S 200 ppm	262 mg/m <sup>3</sup>	NL ppm	NL mg/m <sup>3</sup>
	STEL	250 ppm	310 mg/m <sup>3</sup>	250 ppm	328 mg/m <sup>3</sup>	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.

## 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

**Notes:** % by weight in water

**EVAPORATION RATE:** Not Established

**DENSITY:** 0.88 at 25°C

**VISCOSITY:** Not Applicable

**MOLECULAR WEIGHT:** Not Applicable

**(VOC):** 541.200 g/L

**Notes:** Non-exempt

## 10. STABILITY AND REACTIVITY

**STABLE:** No

**HAZARDOUS POLYMERIZATION:** No

**STABILITY:** Stable.

**POLYMERIZATION:** Will not occur.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Oxides of Carbon (CO and CO<sub>2</sub>) may form when heated to decomposition.

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

## 11. TOXICOLOGICAL INFORMATION

### ACUTE

Chemical Name	ORAL LD <sub>50</sub> (rat)	DERMAL LD <sub>50</sub> (rabbit)	INHALATION LC <sub>50</sub> (rat)
Methanol	6.2 to 12.98 mg/kg	16 g/kg	64000 ppm

**EYES:**

**Notes:** Moderately to severely irritating

**DERMAL LD<sub>50</sub>:**

**Notes:** Mildly to moderately irritating.

**SKIN ABSORPTION:**

**Notes:** Not Established

**ORAL LD<sub>50</sub>:**

**Notes:** Oral - Rat LD<sub>50</sub>:5045 mg/kg for 2-propanol. Oral Rat LD<sub>50</sub>: 5628 mg/kg for methanol.

**INHALATION LC<sub>50</sub>:**

**Notes:** Inhalaton Rat LC<sub>50</sub>: 64000 ppm/4H for methanol.

**NOTES:** Not Established

**EYE EFFECTS:** Mixture is a moderate eye irritant.

**SKIN EFFECTS:** Causes irritation to skin.

**CHRONIC:** Not Established

**SUBCHRONIC:** Not Established

### CARCINOGENICITY

Chemical Name	NTP Status	IARC Status	OSHA Status	Other	General Toxicity
Ethanol	NOT LISTED	NOT LISTED	NOT LISTED		
Methanol	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:** Not Available

## 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:** Alcohols N.O.S. (Ethanol, Methanol)

**PRIMARY HAZARD CLASS/DIVISION:** 3

**UN/NA NUMBER:** UN1987

**PACKING GROUP:** II

**REPORTABLE QUANTITY (RQ) UNDER CERCLA:** 5000 lbs.

### ROAD AND RAIL (ADR/RID):

**KEMLER NUMBER:** UN1986

**HAZARD CLASS:** 3(6.1)

### AIR (ICAO/IATA)

**SHIPPING NAME:** Alcohols N.O.S. (Ethanol, Methanol)

**UN/NA NUMBER:** UN1987

**PRIMARY HAZARD CLASS/DIVISION:** 3

**PACKING GROUP:** II

### VESSEL (IMO/IMDG)

**SHIPPING NAME:** Alcohols, flammable, toxic, n.o.s. (ethanol, methanol)

**UN/NA NUMBER:** UN1986

**PRIMARY HAZARD CLASS/DIVISION:** 3.2

**PACKING GROUP:** NA

**NOTE:** Page 3176

## 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:** Methanol

#### EPCRA SECTION 313 SUPPLIER NOTIFICATION

Chemical Name	Wt. %	CAS	Comments
Methanol	8 - 10	67-56-1	

### 302/304 EMERGENCY PLANNING

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

**CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)****CERCLA REGULATORY:** Methanol (#67-56-1)

Chemical Name	Wt.%	CERCLA RQ
Methanol	8 - 10	1* lbs.

**CERCLA RQ:** 5000 lbs**TSCA (TOXIC SUBSTANCE CONTROL ACT)**

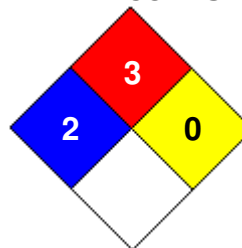
Chemical Name	CAS	TSCA SECTION
Water	7732-18-5	
Ethanol	64-17-5	
Methanol	67-56-1	

**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 CFR1910.119---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 D001**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**

"F" - Highly flammable  
R11 - Highly flammable.



"T" - Toxic  
R23/25 - Toxic by inhalation and if swallowed.

**16. OTHER INFORMATION****APPROVED BY:** Pierce A. Pillon    **TITLE:** Chemist**REVISION SUMMARY:** Revision #: 3 This MSDS replaces the July 22, 2005 MSDS. Any changes in information are as follows: In Section 1 Comments**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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