

**MATERIAL SAFETY DATA SHEET**

Finished Product



**Date-Issued:** 12/26/2002  
**MSDS Ref. No:** 1702  
**Date-Revised:** 10/13/2003  
**Revision No:** 1

**Zero Charge Hand Lotion****1. PRODUCT AND COMPANY IDENTIFICATION**

**PRODUCT NAME:** Zero Charge Hand Lotion  
**PRODUCT DESCRIPTION:** Zero-Charge Anti-Static Hand Lotion  
**PRODUCT CODE:** 1702/CAN/EUR-2SQ, 8FP, 8SQ, QP, G, 5G

**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	80 - 85	7732-18-5	231-791-2
Ethanol, 2, 2', 2''-nitrilotris	1 - 2	102-71-6	203-049-8
1,2,3- Propanetriol	1 - 2	56-81-5	200-289-5
1,2-Propanediol	<1.6 - 1	57-55-6	200-338-0
Diazolidinyl Urea	<1.2	78491-02-8	
2-Propenoic acid, homopolymer	<1	9003-01-4	xxx-xxx-x
Benzenesulfonic acid, dodecyl-, compd. with 2,2',2''-nitrilotris(ethanol) (1:1)	3 - 5	27323-41-7	248-406-9
1-Octadecanol	0 - 2	112-92-5	204-017-6
1-Hexadecanol	0 - 2	36653-82-4	253-149-0
Sodium lauryl sulfate	0 - 2	68585-47-7	271-557-7
Vitamin A	<1		
Vitamin E	<1		
Aloe Vera Gel	<1		
Tetradecanoic Acid, 1-Methylethyl Ester	1 - 2	110-27-0	203-751-4

**EEC LABEL SYMBOL AND CLASSIFICATION**

EEC Irritant - "Xi"

**3. HAZARDS IDENTIFICATION****POTENTIAL HEALTH EFFECTS**

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

**SKIN:** Non-irritating to the skin.

**SKIN ABSORPTION:** No negative effects anticipated via absorption.

**INGESTION:** Ingestion may cause nausea and diarrhea.

**INHALATION:** No hazard in normal industrial use.

#### **SIGNS AND SYMPTOMS OF OVEREXPOSURE**

**EYES:** Contact may cause eye irritation.

**SKIN:** None Expected.

**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:** Not Established

**CARCINOGENICITY:** Not yet Determined

**MUTAGENICITY:** Not Established

#### **REPRODUCTIVE TOXICITY**

**TERATOGENIC EFFECTS:** None Expected.

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### **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:** No specific treatment is necessary since this material is not likely to be hazardous by inhalation. If exposed to excessive levels of dusts or fumes, remove to fresh air and get medical attention if cough or other symptoms develop.

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### **5. FIRE FIGHTING MEASURES**

**FLASHPOINT AND METHOD:** None

**FLAMMABLE LIMITS:** NA to NA

**EXTINGUISHING MEDIA:** Use alcohol foam, carbon dioxide, or water spray when fighting fires involving this material.

**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**

**GENERAL PROCEDURES:** Vacuum or sweep up material and place in a disposal container.

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### **7. HANDLING AND STORAGE**

**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)

		EXPOSURE LIMITS					
		OSHA PEL		ACGIH TLV		Supplier OEL	
		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Ethanol, 2, 2', 2''-nitrilotris	TWA	3	NL	5	5	NL	NL
	STEL	NL	NL	NL <sup>[1]</sup>	NL	NL	NL
1,2,3- Propanetriol	TWA	NL <sup>[2]</sup>	10*,5^	10	NL	NL	NL
	STEL	NL	NL	NL	NL	NL	NL
1,2-Propanediol	TWA	NL	NL	NL	NL	NL	NL
	STEL	NL	NL	NL	NL	NL	NL
Benzenesulfonic acid, dodecyl-, compd. with 2,2',2''-nitrilotris (ethanol) (1:1)	TWA	NL	NL	NL	NL	NL	NL
	STEL	NL	NL	NL	NL	NL	NL
1-Octadecanol	TWA	NL	NL	NL	NL	NL	NL
	STEL	NL	NL	NL	NL	NL	NL
1-Hexadecanol	TWA	NL	NL	NL	NL	NL	NL
	STEL	NL	NL	NL	NL	NL	NL
Sodium lauryl sulfate	TWA	NL	NL	NL	NL	NL	NL
	STEL	NL	NL	NL	NL	NL	NL

Tetradecanoic Acid, 1-Methylethyl Ester

#### OSHA TABLE COMMENTS:

1. NL = Not Listed
2. \* = Total dust, ^ = Respirable fraction

### 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:** None

**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

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Liquid

**ODOR:** Pleasant

**APPEARANCE:** White, viscous, opaque cream

**COLOR:** White

**pH:** 7.2

**PERCENT VOLATILE:** 62

**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:** >10

**EVAPORATION RATE:** Not Established

**MOLECULAR WEIGHT:** Not Applicable

**(VOC):** 0 g/L

#### COMMENTS:

**WATER SOLUBILITY:** % by weight in water

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## 10. STABILITY AND REACTIVITY

**STABLE:** NO

**HAZARDOUS POLYMERIZATION:** NO

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

**STABILITY:** Stable.

**POLYMERIZATION:** Will not occur.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon Dioxide and carbon Monoxide may form when heated to decomposition.

**INCOMPATIBLE MATERIALS:** None known.

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## 11. TOXICOLOGICAL INFORMATION

### ACUTE

**EYES:** Not Established

**DERMAL LD<sub>50</sub>:** Not Established

**SKIN ABSORPTION:** Not Established

**ORAL LD<sub>50</sub>:** Not Established

**INHALATION LC<sub>50</sub>:** None Expected.

Not Established

**EYE EFFECTS:** May be mildly irritating to eyes.

**SKIN EFFECTS:** None Expected.

### SUBCHRONIC:

Not Established

Not Established

### CARCINOGENICITY:

**IARC:** Not Established

**MUTAGENICITY:** Not Established

**REPRODUCTIVE EFFECTS:** None known.

**NEUROTOXICITY:** None Expected.

**TERATOGENIC EFFECTS:** Not Established

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## 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL DATA:** Not Available

**ECOTOXICOLOGICAL INFORMATION:** Not Available

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## 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.

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#### 14. TRANSPORT INFORMATION

**DOT (DEPARTMENT OF TRANSPORTATION)**

**PROPER SHIPPING NAME:** Nonhazardous  
**PRIMARY HAZARD CLASS/DIVISION:** No classification  
**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

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#### 15. REGULATORY INFORMATION

**UNITED STATES**

**SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)**

**311/312 HAZARD CATEGORIES:** NHH, NPH

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

**313 REPORTABLE INGREDIENTS:** Not considered a SARA 313 "Toxic Chemical".

**302/304 EMERGENCY PLANNING**

**EMERGENCY PLAN:** NOT listed

**CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)**

**CERCLA REGULATORY:** NOT listed

**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:** Not Established

**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.

**CANADA**

**WHMIS (WORKER HAZARDOUS MATERIALS INFORMATION SYSTEM):** Not a controlled product.

**EUROPEAN COMMUNITY**

**EEC LABEL SYMBOL AND CLASSIFICATION**



EEC Irritant - "Xi"

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#### 16. OTHER INFORMATION

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

**PREPARED BY:** Steve Cook

**REVISION SUMMARY** Revision #: 1

This MSDS replaces the December 27, 2002 MSDS. Any changes in information are as follows:

In Section 15

TSCA Status

**NFPA CODES**

0

0

0

**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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