

MATERIAL SAFETY DATA SHEET

Finished Product



Date Issued: 12/26/2002

MSDS No: 1702

Date Revised: 05/11/2011

Revision No: 8

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

Emergency Contact: Chemtrec

Product Stewardship: 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

"Xi" - Irritant

R37/38 - Irritating to respiratory system and skin.

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 EFFECTS: Not Established

CARCINOGENICITY: Not yet Determined

MUTAGENICITY: Not Established

REPRODUCTIVE TOXICITY

TERATOGENIC EFFECTS: None Expected.

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3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt. %	CAS	EINECS
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 (INCI retinyl palmitate)	< 1	79-81-2	
Vitamin E (INCI alpha-tocopherol)	< 1	59-02-9	
Aloe Vera Gel (INCI Aloe barbadensis)	< 1	85507-69-3	
Tetradecanoic Acid, 1-Methylethyl Ester	1 - 2	110-27-0	203-751-4

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.

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.



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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

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

7. HANDLING AND STORAGE

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, 2, 2', 2''-nitrilotris	TWA		3 mg/m ³	NL	5 mg/m ³	5	NL [1]	NL [1]
	STEL		NL [1]	NL [1]	NL [1]	NL [1]	NL	NL
1,2,3- Propanetriol	TWA		NL [2]	10*, 5^ mg/m ³ [2]	10 ppm [1]	NL [1]	NL	NL
	STEL		NL	NL	NL	NL	NL	NL
1,2-Propanediol	TWA		NL ppm [1]	NL mg/m ³ [1]	NL ppm	NL mg/m ³	NL ppm	NL mg/m ³
	STEL		NL ppm	NL mg/m ³	NL ppm	NL mg/m ³	NL ppm	NL mg/m ³
Benzenesulfonic acid, dodecyl-, compd. with 2,2',2''- nitrilotris(ethanol) (1:1)	TWA		NL ppm [1]	NL mg/m ³ [1]	NL ppm	NL mg/m ³	NL ppm	NL mg/m ³
	STEL		NL ppm	NL mg/m ³	NL ppm	NL mg/m ³	NL ppm	NL mg/m ³
1-Octadecanol	TWA		NL [1]	NL [1]	NL	NL	NL	NL
	STEL		NL	NL	NL	NL	NL	NL
1-Hexadecanol	TWA		NL [1]	NL [1]	NL	NL	NL	NL
	STEL		NL	NL mg/m ³	NL	NL mg/m ³	NL	NL mg/m ³
Sodium lauryl sulfate	TWA		NL [1]	NL [1]	NL	NL	NL	NL
	STEL		NL	NL	NL	NL	NL	NL
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



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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

Chemical Name	Boiling Point (°C)	Freezing Point (°C)	Solubility in Water	Specific Gravity
Ethanol, 2, 2', 2''-nitrilotris	310.3 @ 760 mmHg	15.8	SOLUBLE	1.126
Tetradecanoic Acid, 1-Methylethyl Ester			slight	0.85

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)

FLASHPOINT AND METHOD: None

SOLUBILITY IN WATER: > 10

Notes: % by weight in water

EVAPORATION RATE: Not Established

DENSITY: 1 at 25°C

Notes: +/- 0.1

MOLECULAR WEIGHT: Not Applicable

(VOC): g/L

10. STABILITY AND REACTIVITY

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STABLE: No

HAZARDOUS POLYMERIZATION: No

STABILITY: Stable.

POLYMERIZATION: Will not occur.

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

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

INCOMPATIBLE MATERIALS: None known.

11. TOXICOLOGICAL INFORMATION

ACUTE

Chemical Name	ORAL LD ₅₀ (rat)	DERMAL LD ₅₀ (rabbit)
Ethanol, 2, 2', 2''-nitrilotris	3.17 to 6.02 g/kg	~ 14.2 g/kg
Tetradecanoic Acid, 1-Methylethyl Ester	> 16000 mg/kg	> 5000 mg/kg

EYES: Not Established

DERMAL LD₅₀: Not Established

SKIN ABSORPTION: Not Established

ORAL LD₅₀: Not Established

INHALATION LC₅₀: None Expected.

NOTES: Not Established

EYE EFFECTS: May be mildly irritating to eyes.

SKIN EFFECTS: None Expected.

CHRONIC: Not Established

SUBCHRONIC: Not Established

CARCINOGENICITY

Chemical Name	NTP Status	IARC Status	OSHA Status
Tetradecanoic Acid, 1-Methylethyl Ester	NOT LISTED	NOT LISTED	NOT LISTED

IARC: Not Established

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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: Nonhazardous

PRIMARY HAZARD CLASS/DIVISION: No classification

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: No classification

PACKING GROUP: NA

VESSEL (IMO/IMDG)

SHIPPING NAME: Nonhazardous

UN/NA NUMBER: NA

PRIMARY HAZARD CLASS/DIVISION: No classification

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

Chemical Name	Wt. %	CERCLA RQ
Benzenesulfonic acid, dodecyl-, compd. with 2,2',2''-nitrilotris(ethanol) (1:1)	3 - 5	1000 lbs.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Water	7732-18-5
Ethanol, 2, 2', 2''-nitrilotris	102-71-6
1,2,3- Propanetriol	56-81-5
1,2-Propanediol	57-55-6
Benzenesulfonic acid, dodecyl-, compd. with 2,2',2''-nitrilotris(ethanol) (1:1)	27323-41-7
1-Octadecanol	112-92-5
1-Hexadecanol	36653-82-4
Sodium lauryl sulfate	68585-47-7
Tetradecanoic Acid, 1-Methylethyl Ester	110-27-0

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.

RCRA STATUS: Not Established

OSHA HAZARD COMM. RULE: Contents of this MSDS comply with the OSHA Hazard Communication Standard 29 CFR 1910.1200.

CANADA



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

EUROPEAN COMMUNITY

EEC LABEL SYMBOL AND CLASSIFICATION



"Xi" - Irritant

R37/38 - Irritating to respiratory system and skin.

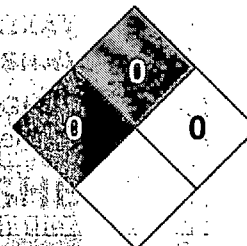
16. OTHER INFORMATION

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

PREPARED BY: Steve Cook

REVISION SUMMARY: Revision #: 8. This MSDS replaces the May 10, 2010 MSDS. Any changes in information are as follows: In Section 9: Density Grams, Density Grams PC, Density

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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