

# MATERIAL SAFETY DATA SHEET



Date Issued: 05/29/2009  
 MSDS No: 1505-Bulk  
 Date Revised: 06/15/2011  
 Revision No: 2

## Eco-Shine

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Eco-Shine  
**PRODUCT DESCRIPTION:** General Purpose Glass/Surface Cleaner  
**PRODUCT CODE:** 1505-QT/G/54G/EUR1505-LT

#### 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

#### EMERGENCY OVERVIEW

**PHYSICAL APPEARANCE:** Clear, colorless, mobile liquid  
**IMMEDIATE CONCERNS:** Harmful if swallowed. Aspiration hazard.

#### POTENTIAL HEALTH EFFECTS

**EYES:** Causes eye irritation.  
**SKIN:** May cause skin irritation. Allergic reactions are possible.  
**SKIN ABSORPTION:** Skin absorption can occur.  
**INGESTION:** Possible aspiration hazard if swallowed.  
**INHALATION:** No hazard in normal industrial use.

#### SIGNS AND SYMPTOMS OF OVEREXPOSURE

**EYES:** Liquid splashed in the eye may cause redness, irritation and conjunctivitis.  
**SKIN:** Prolonged or exposure may cause skin irritation.  
**SKIN ABSORPTION:** Those allergic to citrus oils should avoid use of this product.  
**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.  
**CARCINOGENICITY:** NOT listed

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

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Chemical Name	Wt.%	CAS	EINECS
Ethanol	1 - 5	64-17-5	200-578-6
Includes other hazardous components in non-reportable quantities.	< 2		

### 4. FIRST AID MEASURES

**EYES:** Flush eye with water for 15 minutes. Get medical attention.

**SKIN:** Wash with soap and water. Get medical attention if irritation develops or persists.

**INGESTION:** Aspiration hazard. If swallowed, vomiting may occur spontaneously, but do not induce. If vomiting occurs, keep head below hips to prevent aspiration into lungs. Call a physician immediately.

**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.

**COMMENTS:** Those allergic to citrus oils should avoid use of this product.

### 5. FIRE FIGHTING MEASURES

**FLASHPOINT AND METHOD:** None to boiling point --- TAG CC

**FLAMMABLE LIMITS:** Not Established

**EXTINGUISHING MEDIA:** Water, foam, dry chemical, carbon dioxide.

**HAZARDOUS COMBUSTION PRODUCTS:** Smoke, fumes and oxides of carbon.

**FIRE FIGHTING PROCEDURES:** Use water spray to cool containers.

**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:** Absorb the liquid and scrub the area with detergent and water. Pick up wash liquid with additional absorbent and place in a disposable container. Do not flush to sewer.

**LARGE SPILL:** SPILLED MATERIAL IS EXTREMELY SLIPPERY. Dike area to contain spill. Take precautions as necessary to prevent contamination of ground and surface waters. Recover spilled material on adsorbent, such as sawdust or vermiculite, and sweep into closed containers for disposal. After all visible traces have been removed thoroughly mop and wet vacuum the area. Do not flush to sewer. If area of spill is porous, remove as much contaminated earth, gravel, etc. as necessary and place in closed containers for disposal.

### 7. HANDLING AND STORAGE

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**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.

### 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

**ENGINEERING CONTROLS:** Local exhaust ventilation may be necessary to control any air contaminants to within their TLVs during the use of this product.

#### 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:** Gloves of the following materials may provide protection against permeation: Viton, solvex, Buna, Butyl, and Neoprene.

**RESPIRATORY:** A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

**WORK HYGIENIC PRACTICES:** Wash hands before eating and wash before reuse.

**OTHER USE PRECAUTIONS:** Emergency shower and eyewash facility should be in close proximity.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Liquid

**ODOR:** Characteristic citrus odor.

**APPEARANCE:** Clear, Colorless liquid

**pH:** 7.5 to 8.5

**PERCENT VOLATILE:** 99.2 at 104°C

**VAPOR PRESSURE:** 0.21 mmHg@20C (VOC Composite Vapor Pressure)

**VAPOR DENSITY:** Not Established

**BOILING POINT:** 96°C (205°F)

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**FREEZING POINT:** ~ 0°C (32°F)

**FLASHPOINT AND METHOD:** None to boiling point --- TAG CC

**SOLUBILITY IN WATER:** Soluble

**EVAPORATION RATE:** Not Established

**DENSITY:** 0.99 at 25°C

**(VOC):** 2.100 % by weight

**Notes:** 20.9 g/l

### 10. STABILITY AND REACTIVITY

**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

**EYES:** Moderately to severely irritating

**DERMAL LD<sub>50</sub>:** Those allergic to citrus oils should avoid use of this product.

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

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

#### CARCINOGENICITY

Chemical Name	NTP Status	IARC Status	OSHA Status
Ethanol	NOT LISTED	NOT LISTED	NOT LISTED

**IARC:** NOT listed

**NTP:** NOT listed

**OSHA:** NOT listed

### 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL DATA:** There is limited information available on the environmental fate and effects of this material. The primary environmental concern for release is the impact on aquatic and terrestrial species. Due care should be taken to avoid the accidental release of this material into the environment.

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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.

### 14. TRANSPORT INFORMATION

#### DOT (DEPARTMENT OF TRANSPORTATION)

**PROPER SHIPPING NAME:** Not regulated  
**PRIMARY HAZARD CLASS/DIVISION:** None  
**UN/NA NUMBER:** NA  
**PACKING GROUP:** NA

#### AIR (ICAO/IATA)

**SHIPPING NAME:** Not regulated  
**UN/NA NUMBER:** NA  
**PRIMARY HAZARD CLASS/DIVISION:** None  
**PACKING GROUP:** NA

#### VESSEL (IMO/IMDG)

**SHIPPING NAME:** Not regulated  
**UN/NA NUMBER:** NA  
**PRIMARY HAZARD CLASS/DIVISION:** None  
**PACKING GROUP:** NA

### 15. REGULATORY INFORMATION

#### UNITED STATES

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

**ACUTE:** Yes **CHRONIC:** Yes  
**313 REPORTABLE INGREDIENTS:** 2-propanol (<1%)

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

**CERCLA REGULATORY:** None

#### TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Ethanol	64-17-5

#### CLEAN AIR ACT

**40 CFR PART 68---RISK MANAGEMENT FOR CHEMICAL ACCIDENT RELEASE PREVENTION:** None

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### 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 contains no listed substances known to the State of California to cause cancer, birth defects or other reproductive harm, at levels which would require a warning under the statute.

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

### CANADA

**WHMIS CLASS:** Class D2B - Toxic Materials

## 16. OTHER INFORMATION

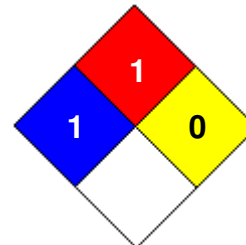
**APPROVED BY:** Pierce A. Pillon    **TITLE:** Chemist

**REVISION SUMMARY:** Revision #: 2. This MSDS replaces the October 12, 2010 MSDS. Any changes in information are as follows: In Section 16: HMIS Flammability, HMIS Health, HMIS Reactivity

### HMIS RATING

<b>HEALTH:</b>	<b>1</b>
<b>FLAMMABILITY:</b>	<b>1</b>
<b>PHYSICAL HAZARD:</b>	<b>0</b>
<b>PERSONAL PROTECTION:</b>	

### NFPA CODES



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