

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

MATERIAL SAFETY DATA SHEET



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

Eco-Shine

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

MATERIAL SAFETY DATA SHEET



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

Eco-Shine

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 ³	ppm	mg/m ³	ppm	mg/m ³
Ethanol	TWA	1000 ppm	1900 mg/m ³	1000 ppm	1880 mg/m ³	NL	NL
	STEL	NL ppm	NL mg/m ³	NL ppm	NL mg/m ³	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)

MATERIAL SAFETY DATA SHEET



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

Eco-Shine

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 CO₂) 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 LD₅₀: Those allergic to citrus oils should avoid use of this product.

INHALATION LC₅₀: 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.

MATERIAL SAFETY DATA SHEET



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

Eco-Shine

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

MATERIAL SAFETY DATA SHEET



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

Eco-Shine

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

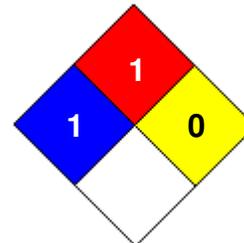
APPROVED BY: Pierce A. Pillon **TITLE:** Chemist

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

HEALTH:	1
FLAMMABILITY:	1
PHYSICAL HAZARD:	0
PERSONAL PROTECTION:	

NFPA CODES



MANUFACTURER DISCLAIMER: To the best of our knowledge, the information contained herein is accurate. However, neither Tech Spray, LLC, or any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.