



MATERIAL SAFETY DATA SHEET

Date Issued: 04/17/2009

MSDS No: 1573-QT/G

Eco-Oven

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Eco-Oven
PRODUCT DESCRIPTION: SMT Oven Cleaner
PRODUCT CODE: 1573-QT/G/EUR1573-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 (US Transportation) :(800) 424 - 9300
CANUTEC (Canadian Transportation) :(613) 996 - 6666
Emergency Phone :(800) 858 - 4043

2. HAZARDS IDENTIFICATION

HAZARD DESIGNATION

"Xi" - Irritant
R36/37/38 - Irritating to eyes, respiratory system and skin.
"Xn" - Harmful
R22 - Harmful if swallowed.

EMERGENCY OVERVIEW

IMMEDIATE CONCERNS: Harmful if swallowed. Aspiration hazard.

POTENTIAL HEALTH EFFECTS

EYES: Causes eye irritation.
SKIN: May cause skin irritation.
SKIN ABSORPTION: Skin absorption can occur.
INGESTION: Harmful if swallowed.
INHALATION: Prolonged or excessive inhalation may cause respiratory tract irritation.

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: Glycol ingredients can be absorbed into skin.
INGESTION: For large amounts; abdominal pain, nausea and vomiting.
INHALATION: Inhalation may cause respiratory tract irritation.

3. COMPOSITION / INFORMATION ON INGREDIENTS

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Chemical Name	Wt. %	CAS	EINECS
Water	80 - 90	7732-18-5	231-791-2
Ethanol, 2-amino-	1 - 5	141-43-5	205-483-3
Polypropylene glycol	1 - 10	25322-69-4	
Diazolidinyl Urea	< 1	78491-02-8	

4. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.

SKIN: Immediately wash skin with soap and plenty of water. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse.

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: 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: None : ASTM D-56 (Tag C.C.)

HAZARDOUS COMBUSTION PRODUCTS: Combustion generates smoke and fumes of oxides of carbon/nitrogen.

FIRE FIGHTING EQUIPMENT: As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Avoid runoff into storm sewers and ditches which lead to waterways.

GENERAL PROCEDURES: 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, including vapors, have been removed thoroughly 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

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.

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MSDS No: 1573-QT/G

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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, 2-amino-	TWA	3 ppm	6 mg/m ³	3 ppm	7.5 mg/m ³	NL ppm	NL mg/m ³
	STEL	6 ppm	15 mg/m ³	6 ppm	15 mg/m ³	NL ppm	NL mg/m ³

ENGINEERING CONTROLS: Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

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: Avoid contact with eyes. Avoid fume inhalation. Limit skin contact.

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

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Low odor.

APPEARANCE: Clear, mobile liquid.

pH: 10 to 11

PERCENT VOLATILE: 90.25 at 104°C

VAPOR PRESSURE: < 0.02 mmHg@20C (VOC Composite Vapor Pressure)

BOILING POINT: ~ 100°C (212°F)

FLASHPOINT AND METHOD: None : ASTM D-56 (Tag C.C.)

SOLUBILITY IN WATER: Fully miscible

DENSITY: 1.00 at 25°C (77°F)

(VOC): 2.170 % by weight

Notes: 21.8 g/l



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10. STABILITY AND REACTIVITY

STABILITY: Stable.

POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: Heat, flames, ignition sources, and incompatibles.

HAZARDOUS DECOMPOSITION PRODUCTS: Hazardous decomposition products include oxides of carbon and nitrogen.

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

11. TOXICOLOGICAL INFORMATION

ACUTE

EYES: Moderately to severely irritating

DERMAL LD₅₀: Mildly to moderately irritating.

SKIN ABSORPTION: Glycol ingredients may be absorbed through skin.

INHALATION LC₅₀: Not Established

EYE EFFECTS: Mixture is a moderate eye irritant.

SKIN EFFECTS: Causes irritation to skin.

CARCINOGENICITY

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.

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

UN/NA NUMBER: NA



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PACKING GROUP: NA

ROAD AND RAIL (ADR/RID)

PROPER SHIPPING NAME: Not regulated

AIR (ICAO/IATA)

SHIPPING NAME: Not regulated

VESSEL (IMO/IMDG)

SHIPPING NAME: Not regulated

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES: IMMEDIATE / DELAYED

FIRE: No **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** Yes

313 REPORTABLE INGREDIENTS: None

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA REGULATORY: None

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Water	7732-18-5
Ethanol, 2-amino-	141-43-5
Polypropylene glycol	25322-69-4

CLEAN AIR ACT

40 CFR PART 68---RISK MANAGEMENT FOR CHEMICAL ACCIDENT RELEASE

PREVENTION: NOT listed

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.

CANADA

WHMIS CLASS: Class D2B - Toxic Materials

EUROPEAN COMMUNITY



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EEC LABEL SYMBOL AND CLASSIFICATION



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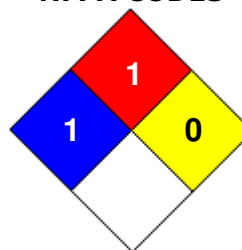
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R22 - Harmful if swallowed.

16. OTHER INFORMATION

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

REVISION SUMMARY: New MSDS

NFPA CODES



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