

# Material Safety Data Sheet

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**Manufactured For:****Jan. 26, 2001**

G. T. Environmental Technology, Inc.  
7801-C Thomson St.  
Pearland, Texas 77581  
Phone: 281-997-0200  
CHEMTREC Emergency Phone Numbers  
US Emergency: 800-424-9300  
International Emergency: 703-527-3887

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**SECTION 1- IDENTITY:****EXPEL 7.5% MULTI-PURPOSE SOLUTION**

<u>Hazard Rating</u>	<u>Rating</u>	
4 = Extreme	Fire	1
3 = High	Toxicity	0
2 = Moderate	Reactivity	0
1 = Slight	Special	0
0 = Insignificant	Health	3
	Safety	0

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**SECTION 2: Composition / Information of Ingredients**

<b>Hazardous Component</b>	<b>CAS#</b>	<b>OSHA PEL (TWA)</b>	<b>ACGIH TLV (TWA)</b>
C14-15%, C12-40%, C16-10%	68424-85-1	Non Established	Non Established
C8/C10-50%, C10/C10-30%, C8/C8-20%	68424-95-3	Non Established	Non Established
Ethyl Alcohol	64-17-5	1000 ppm	1000 ppm

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**SECTION 3: Hazards Identification****Emergency Overview:** (Acute and Chronic)**Potential Health Effects:****Eye:** Direct content can cause severe eye damage. Corrosive.**Skin:** Direct contact can cause severe irritation. Corrosive.**Inhalation:** Solvent vapors or mists can cause irritation of mucous membranes, eyes, nose and throat.**Ingestion:** Immediate burning pain in mouth, throat, abdomen and severe swelling of the larynx. May be fatal.**Carcinogenicity:** No**Chronic effects of exposure:** None Known

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**SECTION 4: First Aid Measures**

If on skin:	Immediately wash with soap and water. Get medical attention if irritation persists.
If in eyes:	Immediately flush with lots of running water for 15 minutes, lifting the upper and lower eyelids occasionally. If irritation persists, consult a physician.
If swallowed:	If patient is conscious, give several glasses of water. Do not give anything to unconscious or convulsing person. If physician directed or voluntary vomiting occurs, keep victims head below his hips so as not to breathe vomitus into lungs.
If inhaled:	Remove persons to fresh air, give artificial resuscitation if not breathing. Get immediate medical attention.

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**SECTION 5: Fire Fighting Measures**Flash Point PMCC): >200° FFlammable limits in air: **LEL:** n/a **UEL:** n/aExtinguishing media: Use appropriate fire extinguishing media for surrounding environmentUnusual fire and explosion hazards: Products of combustion are toxicHazardous decomposition products: May form toxic by products such as carbon dioxides and carbon monoxide, various hydrocarbons, etc.Flammability classification: Class 1

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## SECTION 6: Accidental Release Measures

**In case of spill or accidental release:** Ventilate area. Caution floor may be slippery. Contain spills out of sewers and away from all water bodies.

**Small spills:** Absorb liquid on paper, floor absorbent or other absorbent material and transfer to container.

**Large spills:** Persons not wearing protective equipments should be excluded from area of spill until cleanup has been completed. Stop spill at source, dike spill to prevent spreading, pump liquid into salvage container. Remaining material may be taken up with sand, clay, earth, floor absorbent material or other absorbent material and placed in appropriate waste container.

**Waste Disposal Method:** Contact state, federal and state authorities.

## SECTION 7: Handling and Storage

Precaution for handling storage: Prevent material from getting into eyes, on skin and on clothing. Keep from freezing. Store at temperature below 120° F. Store out of direct sunlight. Avoid breathing vapors. Wash hands after use. For industrial use only.

## SECTION 8: Exposure Controls / Personal Protection

**Respiratory Protection:** Use with adequate ventilation  
**Ventilation:** Provide sufficient mechanical ventilation to maintain exposure below TLV's  
**Protective Gloves:** Wear chemically resistant gloves such as neoprene  
**Eye Protection Equipment:** Chemical splash goggles in compliance with OSHA regulation. (Consult safety equipment supplier)  
**Other protection equipment:** To prevent repeated or prolonged exposure wear protective clothing and boots.  
**Work hygienic practices:** Ensure strict sanitary conditions are conformed to working around chemicals. Protective clothing and equipment in accordance with 29 CFR 1910.132 and 29 CFR 1910.183

## SECTION 9: Physical and Chemical Properties

<b>Appearance:</b>	Clear liquid	<b>Odor:</b>	Sweet
<b>Ph:</b>	n/a	<b>Boiling Point/Range:</b>	n/a ° F
<b>Melting Point/Range:</b>	0 ° F	<b>% Soluble H<sub>2</sub>O:</b>	Soluble
<b>Surface Tension:</b>	29.5° / cm @ 25° C	<b>Specific Gravity:</b>	0.99
<b>Evaporation Rate:</b>	n/a	<b>Volatile Organic Compounds:</b>	2%
<b>Vapor Pressure:</b>	n/a		

## SECTION 10: Stability and Reactivity

**Stability:** Stable under normal use and storage  
**Incompatibility:** (Specific material to avoid) Strong oxidizers  
**Hazardous Decomposition Products:** Organic chlorides, amines, hydrogen chloride, ammonia, nitrogen  
**Polymerization:** None will occur

## SECTION 11: Toxicological Information

Information is based upon available data on individual product components. Product as a whole has not been evaluated.

Oral:	366 mg/kg
Dermal:	421 mg/kg
Inhalation:	none known
Eye Irritation:	.1 ml
Skin Irritation:	0.5 ml

## SECTION 12: Ecological Information

**INTRODUCTION:** This environmental effects summary is written to assist in addressing emergencies created by accidental spill which might occur during the shipment of this material and in general, is not meant to address discharges to sanitary sewers or publicly owned treatment works.

**SUMMARY:** Data for this material have been used to estimate its environmental impact. It has the following properties.

No known environmental impact.

## SECTION 13: Disposal Considerations

Discharge, treatment or disposal may be subject to national, state or local laws. Mix with compatible chemical which is less flammable and incinerate in authorized facilities only.

Since emptied containers retain product residue, follow label warning even after container is emptied. Residual vapors may explode or ignite. Do not cut, drill or weld on or near container.

## SECTION 14: Transport Information

**Domestic (ground)**

**International (ground, air, water)**

**Shipping Name:**

**Hazardous Class:**

**UN Number:**

**Packaging Group:**

**Hazard Label:**

## SECTION 15: Regulatory Information

**OSHA:** This document has been prepared in accordance with the MSDS requirement of the OSHA hazard Communication Standard CFR 1910.1200 Note Section 2

**TSCA:** This product is listed on the TSCA inventory or otherwise complies with TSCA remanufacture notification requirements.

**NJ Right-to-know:** Effective August 24, 1984, employers are required to provide information to employees regarding chemical formulations to which they may be exposed to in the course of their work and which contain hazardous substances posing threat to health and/or safety.

**Safe Drinking Water and Toxic Enforcement Act of 1986:** If your business resides in the state of California or is you supply this product directly or indirectly into California, the requirement in part, "No person in the course of doing business shall knowingly and intentionally expose any individual to chemicals known to the state to cause cancer or reproductive toxicity without first giving clear and reasonable warning to such individual...." The act does not exempt from the warning requirement "unexposure for which for which the person responsible can show that the exposure poses no significant risk...." A.K.A. Proposition 65

Based on the available data, the following chemicals listed by the Governor of California may be present in this product. Noted in Section 2 in descending order.

**Sarah 313 Chemical Notification**

Any product that is repackaged or redistributed must send a similar notice.

## SECTION 16: Other Information

Wash hands thoroughly after use. Follow directions before use.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and is not valid for such material used in combination with any other materials or in any process, unless specified in the text.