



Safety Data Sheet

Petra Evaporator Odor Eliminator P/N 9007B

HMIS Ratings
Health 1
Flammability 2
Reactivity 0
Protection B

Section 1: Identification

Product Name: Petra Odor Eliminator

Product Use: Odor Elimination

Restrictions on Use: None known.

Manufactured For: Petra Oil Company
6100 West by Northwest Blvd., Suite 190
Houston, TX 77040

Phone Number: (713) 856-5700

Fax Number: (713) 856-5712

Emergency Phone: CHEMTREC
1-800-424-9300
For International Calls:
(703) 527-3887

Section 2: Hazard Identification

Hazard Class: Flammable Aerosol Category 1, Gases under Pressure – Compressed Gas, Eye Irritant Category 2A, Simple Asphyxiant.

Signal Word(s): Danger

Hazard Statement: Extremely flammable aerosol. Contains gas under pressure; may explode if heated. May displace oxygen and cause rapid suffocation. Causes severe eye irritation.

Pictogram Classes:



Precautionary Measures: Wash thoroughly after handling. Wear eye protection. Keep away from heat, sparks, open flames, and hot surfaces. No smoking. Do not spray on an open flame or other ignition source. Pressurized container. Do not pierce or burn, even after use. Protect from sunlight. Store in well-ventilated place. Do not expose to temperatures exceeding 50°C / 122°F.

Special Note: Internationally, and under the most current version of GHS, this product is classified without the “Gases under pressure” designation, and should lack the gas cylinder pictogram.

Miscellaneous Hazards: Inhalation in high-concentrations may cause respiratory irritation.

Section 3: Composition/Information on Ingredients

Chemical Name	CAS Number	Concentration (Wgt.%)
2-Butoxyethanol	111-76-2	1-5
Morpholine	110-91-8	0-2
Ammonium Hydroxide	1336-21-6	0-2
1-Dodecanol, Sulfate, Sodium salt	151-21-3	0-5
Difluoroethane	75-37-6	2-7
Non-hazardous and other ingredients below reportable levels	Proprietary	81-97

Section 4: First Aid Measures

Skin Contact Wash affected area with plenty of water. If irritation persists, seek medical advice.

Eye Contact Rinse cautiously with water for several minutes. Remove contact lenses if present/able. Continue rinsing. If eye irritation persists, get medical advice/attention.

Inhalation Move person to fresh air. Seek medical attention if problems develop or persist.

Ingestion Not an expected route of exposure. If swallowed, seek medical advice.

Notes for Immediate Care / Physician N/A

Section 5: Fire Fighting Measures

Hazardous Combustion Products:

Carbon monoxide, carbon dioxide, and other hydrocarbon fragments.

Extinguishing Media:

Use media appropriate for surrounding fire. Cool exposed containers with water.

General Fire Hazards:

Contents under pressure. Exposure to high heat may cause them to rupture with violent force.

Fire Fighting Equipment and Instructions:

Firefighters should wear full protective gear. Cool fire-exposed containers with water.

Section 6: Accidental Release Measures

Personal Protection/PPE:

Wear safety glasses or goggles and gloves to avoid skin and eye contact.

Emergency Procedures:

Remove all sources of ignition. Ensure ventilation to avoid inhalation. Use caution, as large amounts of liquid may produce a slip hazard.

Containment Procedures:

Stop the flow of material, if this is without risk. If can is leaking, place into pail or bucket in well-ventilated area until pressure has dissipated. Absorb with inert absorbent such as dry clay, sand, diatomaceous earth, or commercial sorbents. Shovel into appropriate container for disposal

Cleanup Procedures:

Absorb spill with inert material. Shovel material into appropriate container for disposal.

Section 7: Handling and Storage

Handling Procedures:

Avoid skin or eye contact with this material. Wash thoroughly after handling. Use with ventilation, and do not breathe aerosol. Contents are under pressure, so do not puncture or incinerate cans, even when 'empty.'

Storage Procedures:

Store in cool, well-ventilated place. Store out of sunlight, at temperatures below 120°F.

Section 8: Exposure Controls/Personal Protection

Chemical	CAS Number	PEL-OSHA	Exposure Limits	
			TLV-ACGIH	Carcinogen
2-Butoxyethanol	111-76-2	25 ppm	25 ppm	No
Morpholine	110-91-8	20 ppm	20 ppm	No
Ammonium Hydroxide	1336-21-6	35 ppm STEL	25 ppm	No
1-Dodecanol, Sulfate, Sodium salt	151-21-3	N/A	N/A	No

Difluoroethane	75-37-6	N/A	N/A	No
Non-hazardous and other ingredients below reportable levels	Proprietary	N/A	N/A	N/A

Special Note: Difluoroethane has an AIHA WEEL with 1000 ppm as the TWA 8 hour exposure limit.

Engineering Controls:

Use local exhaust ventilation.

Personal Protective Equipment:

Eyes/Face:

Wear safety glasses or goggles if eye contact is possible.

Skin:

Use impervious gloves.

Respiratory:

If ventilation is not sufficient to effectively prevent buildup of vapor/mist/fume/dust, appropriate NIOSH/MSHA respiratory protection must be provided.

General:

Use good hygiene practices when handling this material, including changing and laundering work clothes after use.

Section 9: Physical and Chemical Properties

Appearance:	White liquid in aerosol can
Flammability Limits:	Lower: 1.1%; Upper: 16.9%
Explosive Limits:	Not applicable.
Odor:	Fresh Detergent.
Odor Threshold:	Not available.
Vapor Density:	>1 (Air 1.0)
Vapor Pressure:	Not available.
pH:	Not available.
Relative Density:	0.98
Melting Point:	Not available.
Solubility:	Complete in water.
Initial Boiling Point/Boiling Range:	-13 to 336°F (-25 to 169°C)
Flash Point:	-58°F (-50°C)
Autoignition Temperature:	Not available.
Evaporation Rate:	Slower than ether
Partition Coefficient (n-octanol/water):	Not available.
Decomposition Temperature:	Not available.
Viscosity:	Not available.

Section 10: Stability and Reactivity

Reactivity:

Will react with strong oxidizing agents.

Chemical Stability:

This is a stable material. Container may explode at heat >120°F.

Hazardous Decomposition:

Hazardous combustion products may include carbon monoxide, carbon dioxide, and other hydrocarbon fragments.

Hazardous Polymerization:

Will not occur.

Incompatible Materials:

Strong oxidizing agents (peroxides, chlorine, strong acids).

Conditions Leading to Hazard:

Storage with strong oxidizers. Storage in heat, near ignition source, or by open flame.

Section 11: Toxicological Information

Acute Toxicity Estimate – Oral: >5000 mg/kg

Acute Toxicity Estimate – Dermal: >5000 mg/kg

Reproductive Toxicity/Germ Cell Mutagenicity: No ingredients with positive in vivo results.

Skin/Inhalation Sensitization: No known sensitizing components.

Carcinogenicity: No carcinogenic components.

Section 12: Ecological Information

No ecotoxicity data is currently available for this product.

None of the components of this product are listed in the Montreal Protocol or its Amendments.

Section 13: Disposal Concerns

Dispose of waste material in accordance with Local, State, Federal, and Provincial Environmental Regulations.

Section 14: Transport Information

US DOT and International HMR Information

Proper Shipping Name:

Aerosol, flammable, each not exceeding 1L capacity (2-Butoxyethanol, Difluoroethane)

Identification Number: UN1950

Hazard Class: 2.1

Section 15: Regulatory Information

US Federal Regulations

CERCLA/SARA – Section 313 – Emission Reporting
2-Butoxyethanol

EPA TSCA Inventory
All components listed.

State Regulations

California – Proposition 65 – Carcinogens List
None.

Section 16: Other Information

Disclaimer:

NOTICE: The information presented herein is based on data considered to be accurate as of the date of preparation of this Safety Data Sheet. However, SDS may not be used as a commercial specification sheet of manufacturer or seller, and no warranty or representation, expressed or implied, is made as to the accuracy or comprehensiveness of the foregoing data and safety information, nor is any authorization given or implied to practice any patented invention without a license. In addition, no responsibility can be assumed by the vendor for any damage or injury resulting from abnormal use, from any failure to adhere to recommended practices, or from any hazards inherent in the nature of the product.

Prepared By Technical Department

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