



## Material Safety Data Sheet

Material Name: EXODOR® PT-500™ II Portable Toilet & Holding Tank Deodorizer

MSDS ID: WAL-308

### \*\*\* Section 1 - Chemical Product and Company Identification \*\*\*

**Chemical Name:** Toilet Deodorizer

**Product Use:** Preparation of deodorizing solution for portable toilets.

**Manufacturer Information**

WALEX Products Company, Inc.  
P.O. Box 3785  
Wilmington, NC 28406

Phone: +1 910 371 2242

Emergency # 1-800-424-9300 (CHEMTREC USA)  
1-703-527-3887 (CHEMTREC Int'l)

**General Comments**

CHEMTREC telephone number is to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure, or accident involving chemicals.

### \*\*\* Section 2 - Hazards Identification \*\*\*

**Emergency Overview**

WARNING.

Product is a blue liquid with a pungent, fragrant odor. Combustible liquid. Contact can cause moderate to severe irritation and possible injury to the eyes. This product may be irritating to the respiratory system and skin. Contact with skin can cause irritation and allergic reaction (sensitization) in some individuals. This product may be harmful if it is swallowed. Acute ingestion or inhalation may cause central nervous system effects. This product may be harmful to aquatic organisms.

**Potential Health Effects: Eyes**

Contact can cause moderate to severe irritation and possible injury to the eyes.

**Potential Health Effects: Skin**

This product may cause irritation to the skin. This product may cause an allergic skin reaction. Prolonged or repeated contact may worsen irritation. Product contains components which may be absorbed through the skin.

**Potential Health Effects: Ingestion**

This product may be harmful if it is swallowed. Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea. May cause irritation of the throat, stomach, and gastrointestinal tract. Acute ingestion of this product may result in central nervous system effects including headache, sleepiness, dizziness, slurred speech and blurred vision.

**Potential Health Effects: Inhalation**

Inhalation of vapors or mists of the product may be irritating to the respiratory system. Acute inhalation of this product may result in central nervous system effects including headache, sleepiness, dizziness, slurred speech and blurred vision.

**HMIS Ratings: Health: 2 Fire: 1 Physical Hazard: 0 Pers. Prot.:** Gloves, Goggles

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe \* = Chronic hazard

### \*\*\* Section 3 - Composition / Information on Ingredients \*\*\*

CAS #	Component	Percent
Proprietary	Surfactant Mixture	5-10
Not Available	Fragrance mixture	1-5
Not Available	Colorant mixture	1-5
7732-18-5	Water	75-85
64-17-5	Ethyl alcohol	0-1
Not Available	Surfactant	0-1

# Material Safety Data Sheet

Material Name: EXODOR® PT-500™ II Portable Toilet & Holding Tank Deodorizer

MSDS ID: WAL-308

## Component Information/Information on Non-Hazardous Components

Other components consisting of 10-40% of the total composition are considered trade secrets and are being excluded from disclosure under terms of OSHA 29 CFR 1926.29 and 29 CFR 1928.21. The hazards of this (these) ingredient(s) are given on this MSDS.

This product is considered hazardous under 29 CFR 1910.1200 (Hazard Communication).

## \*\*\* Section 4 - First Aid Measures \*\*\*

### First Aid: Eyes

Remove contact lenses, if worn. Immediately flush eyes with lukewarm water for at least 15 minutes, while holding eyelids open. Seek medical attention at once.

### First Aid: Skin

For skin contact, wash immediately with soap and water. Immediately take off all contaminated clothing. Wash contaminated clothing before reuse. If irritation persists, get medical attention.

### First Aid: Ingestion

Do not induce vomiting. Call a physician immediately. Never give anything by mouth to a victim who is unconscious or is having convulsions.

### First Aid: Inhalation

If inhaled, immediately remove the affected person to fresh air. Call a physician if symptoms develop or persist.

## \*\*\* Section 5 - Fire Fighting Measures \*\*\*

### General Fire Hazards

See Section 9 for Flammability Properties.

Combustible liquid. If product is heated above its flash point it will release flammable vapors which can burn in the open or be explosive in confined spaces if exposed to ignition source. Mists or sprays may be flammable below its normal flash point.

### Hazardous Combustion Products

Combustion products include fumes, smoke, carbon monoxide, carbon dioxide and nitrogen dioxide. Upon combustion, this product may yield toxic vapors/fumes of bromine.

### Extinguishing Media

Dry chemical, foam, carbon dioxide, water fog.

### Fire Fighting Equipment/Instructions

Fire fighters should wear full-face, self contained breathing apparatus and impervious protective clothing. Fire fighters should avoid inhaling any combustion products.

**NFPA Ratings: Health: 2 Fire: 1 Reactivity: 0**

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

## \*\*\* Section 6 - Accidental Release Measures \*\*\*

### Containment Procedures

Stop the flow of material, if this is without risk. Remove sources of ignition. Block any potential routes to water systems.

### Clean-Up Procedures

Ventilate the contaminated area. Wear appropriate protective equipment and clothing during clean-up. Scoop up used absorbent into drums or other appropriate container. Regulations vary. Consult local authorities before disposal.

### Evacuation Procedures

Isolate area. Keep unnecessary personnel away.

### Special Procedures

Wear appropriate personal protective equipment to prevent contact with eyes and skin. Avoid inhalation of mists or vapors from the spilled material.

## \*\*\* Section 7 - Handling and Storage \*\*\*

### Handling Procedures

Eliminate all sources of ignition. Prevent eye and skin contact. Prevent inhalation of mists or vapors. Avoid prolonged exposure. Wash thoroughly after handling.

# Material Safety Data Sheet

Material Name: EXODOR® PT-500™ II Portable Toilet & Holding Tank Deodorizer

MSDS ID: WAL-308

## Storage Procedures

Keep the container tightly closed and in a cool, well-ventilated place. Keep away from ignition sources and incompatible materials.

## \*\*\* Section 8 - Exposure Controls / Personal Protection \*\*\*

### Exposure Guidelines

#### A: General Product Information

Attempts should be made to eliminate all contact with skin and eyes, and to limit inhalation exposure.

#### B: Component Exposure Limits

##### Ethyl alcohol (64-17-5)

ACGIH: 1000 ppm TWA  
OSHA: 1000 ppm TWA; 1900 mg/m<sup>3</sup> TWA  
NIOSH: 1000 ppm TWA; 1900 mg/m<sup>3</sup> TWA

### Engineering Controls

Ventilation should effectively remove and prevent buildup of any mists or vapors generated from the handling of this product.

### PERSONAL PROTECTIVE EQUIPMENT

#### Personal Protective Equipment: Eyes/Face

Wear chemical goggles. Add a face shield if splashing possible.

#### Personal Protective Equipment: Skin

Use impervious gloves.

#### Personal Protective Equipment: Respiratory

If ventilation is not sufficient to effectively prevent buildup of vapors or mists, appropriate NIOSH approved respiratory protection must be provided.

#### Personal Protective Equipment: General

Use good industrial hygiene practices in handling this material. Eye wash fountain and emergency showers are recommended.

## \*\*\* Section 9 - Physical & Chemical Properties \*\*\*

<b>Appearance:</b>	Blue liquid	<b>Odor:</b>	Pungent fragrance
<b>Physical State:</b>	Liquid	<b>pH:</b>	4 - 6
<b>Vapor Pressure:</b>	Not determined	<b>Vapor Density:</b>	Not determined
<b>Boiling Point:</b>	Not determined	<b>Melting Point:</b>	Not determined
<b>Solubility (H<sub>2</sub>O):</b>	100%	<b>Specific Gravity:</b>	1.1
<b>Freezing Point:</b>	-15°C (5°F)	<b>Flash Point:</b>	>65°C (>150°F)
<b>Flash Point Method:</b>	Not available	<b>Auto Ignition:</b>	Not determined
<b>Upper Flammability Limit (UFL):</b>	Not determined	<b>Lower Flammability Unit (LFL):</b>	Not determined
<b>Percent Volatile:</b>	30%		

## \*\*\* Section 10 - Chemical Stability & Reactivity Information \*\*\*

### Chemical Stability

Stable under normal conditions.

#### Chemical Stability: Conditions to Avoid

Keep separate from incompatible materials. Avoid generating splashes or mists of this material.

#### Incompatibility

May react with strong oxidizing agents and acids.

#### Hazardous Decomposition

Combustion products include fumes, smoke, carbon monoxide, carbon dioxide and nitrogen dioxide. Upon combustion, this product may yield toxic vapors/fumes of bromine.

#### Possibility of Hazardous Reactions

Will not occur.

# Material Safety Data Sheet

Material Name: EXODOR® PT-500™ II Portable Toilet & Holding Tank Deodorizer

MSDS ID: WAL-308

## \*\*\* Section 11 - Toxicological Information \*\*\*

### Acute Dose Effects

#### A: General Product Information

The toxicological properties of this material have not been fully investigated. Product is expected to be harmful if swallowed, cause moderate to severe eye irritation and damage, and cause skin, respiratory system, and gastrointestinal tract irritation. Contact with skin can cause irritation and allergic reaction (sensitization) in some individuals.

#### B: Component Analysis - LD50/LC50

##### Surfactant Mixture (Proprietary)

Oral LD50 Rat: 426 mg/kg

##### Ethyl alcohol (64-17-5)

Inhalation LC50 Rat: 124.7 mg/L/4H; Oral LD50 Rat: 1501 mg/kg

##### Surfactant (Not Available)

Oral LD50 Rat: 20000 mg/kg; Dermal LD50 Rabbit: 20800 mg/kg

### Repeated Dose Effects

Ethyl alcohol is responsible for fetal alcohol syndrome which includes a number of teratogenic results: spontaneous abortions, birth defects and developmental problems.

### Carcinogenicity

#### A: General Product Information

No information available for the product.

#### B: Component Carcinogenicity

##### Ethyl alcohol (64-17-5)

ACGIH: A4 - Not Classifiable as a Human Carcinogen

## \*\*\* Section 12 - Ecological Information \*\*\*

### Ecotoxicity

#### A: General Product Information

Components of this product are hazardous to aquatic life.

#### B: Component Analysis - Ecotoxicity - Aquatic Toxicity

##### Ethyl alcohol (64-17-5)

Test & Species		Conditions
96 Hr LC50 rainbow trout (30 days old)	12900 mg/L	flow-through
24 Hr LC50 fingerling trout	11200 mg/L	
96 Hr LC50 fathead minnow	14200 mg/L	flow-through
5 min EC50 Photobacterium phosphoreum	35470 mg/L	
30 min EC50 Photobacterium phosphoreum	34634 mg/L	

##### Surfactant (Not Available)

Test & Species		Conditions
24 Hr LC50 goldfish	>5000 mg/L	
48 Hr LC50 guppy	>10000 mg/L	
30 min EC50 Photobacterium phosphoreum	710 mg/L	
48 Hr EC50 water flea	>10000 mg/L	

### Environmental Fate

No additional information available.

# Material Safety Data Sheet

Material Name: EXODOR® PT-500™ II Portable Toilet & Holding Tank Deodorizer

MSDS ID: WAL-308

## \*\*\* Section 13 - Disposal Considerations \*\*\*

### US EPA Waste Number & Descriptions

#### A: General Product Information

Wastes must be tested using methods described in 40 CFR Part 261 to determine if it meets applicable definitions of hazardous wastes.

#### B: Component Waste Numbers

No EPA Waste Numbers are applicable for this product's components.

#### Disposal Instructions

Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.

See Section 7 for Handling Procedures. See Section 8 for Personal Protective Equipment recommendations.

## \*\*\* Section 14 - Transportation Information \*\*\*

### US DOT Information

**Shipping Name:** Not regulated as a hazardous material.

### TDG Information

**Shipping Name:** Not regulated as a dangerous good.

## \*\*\* Section 15 - Regulatory Information \*\*\*

### US Federal Regulations

#### A: General Product Information

Components of this product have been checked against the non-confidential TSCA inventory by CAS Registry Number. Components not identified on this non-confidential inventory are exempt from listing (i.e. as polymers) or are listed on the confidential inventory as declared by the supplier.

#### B: Component Analysis

None of this products components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), or CERCLA (40 CFR 302.4).

**SARA311/312: Acute Health:** Yes **Chronic Health:** No **Fire:** No **Pressure:** No **Reactive:** No

### State Regulations

#### A: General Product Information

Product may be subject to reporting in states other than those listed for individual components.

#### B: Component Analysis - State

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS	CA	MA	MN	NJ	PA	RI
Ethyl alcohol	64-17-5	Yes	Yes	Yes	Yes	Yes	Yes
Surfactant	Not Available	No	No	Yes	No	Yes	Yes

The following statement(s) are provided under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):

**WARNING!** This product contains a chemical known to the state of California to cause reproductive/developmental effects.

# Material Safety Data Sheet

Material Name: EXODOR® PT-500™ II Portable Toilet & Holding Tank Deodorizer

MSDS ID: WAL-308

## Component Analysis - WHMIS IDL

The following components are identified under the Canadian Hazardous Products Act Ingredient Disclosure List:

Component	CAS #	Minimum Concentration
Ethyl alcohol	64-17-5	0.1 %
Surfactant	Not Available	1 %

## Additional Regulatory Information

### A: General Product Information

No additional information available.

### B: Component Analysis - Inventory

Component	CAS #	TSCA	CAN	EEC
Surfactant Mixture	Proprietary	Yes	DSL	EINECS
Water	7732-18-5	Yes	DSL	EINECS
Ethyl alcohol	64-17-5	Yes	DSL	EINECS
Surfactant	Not Available	Yes	DSL	EINECS

## \* \* \* Section 16 - Other Information \* \* \*

### Other Information

Reasonable care has been taken in the preparation of this information, but the manufacturer makes no warranty of merchantability or any other warranty, expressed or implied, with respect to this information. The manufacturer makes no representations and assumes no liability for any direct, incidental or consequential damages resulting from its use.

### Key/Legend

ACGIH = American Conference of Governmental Industrial Hygienists; ADR/RID = European Agreement of Dangerous Goods by Road/Rail; CAS = Chemical Abstracts Service; CERCLA = Comprehensive Environmental Response, Compensation, and Liability Act; CFR = Code of Federal Regulations; CPR = Controlled Products Regulations; DOT = Department of Transportation; DSL = Domestic Substances List; EINECS = European Inventory of Existing Commercial Chemical Substances; ELINCS = European List of Notified Chemical Substances; EPA = Environmental Protection Agency; IARC = International Agency for Research on Cancer; IATA = International Air Transport Association; IMO = International Maritime Organization; MAC/MAK = Maximum Concentration Value in the Workplace; mg/Kg = milligrams per Kilogram; mg/L = milligrams per Liter; mg/m<sup>3</sup> = milligrams per Cubic Meter; MSHA = Mine Safety and Health Administration; NA = Not Applicable or Not Available; NIOSH = National Institute for Occupational Safety and Health; NJTSR = New Jersey Trade Secret Registry; NLP = No Longer Polymer; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration; VLA/VLE = Work Exposure Threshold; SARA = Superfund Amendments and Reauthorization Act; STEL = Short Term Exposure Limit; TDG = Transport Dangerous Goods; TSCA = Toxic Substances Control Act; WHMIS = Workplace Hazardous Materials Information System.