



# Material Safety Data Sheet

## Section 1. Chemical Product and Company Identification

**Product name** ODORSTROYER  
**Product use** Deodorizer  
**Product code** 1777  
**Date of issue** 11/01/12 **Supersedes** 01/08/10

### Emergency Telephone Numbers

**For MSDS Information:**  
 Technical Services Group  
 Telephone (780) 453-8100  
 (Business Hours 8:00am - 5:00pm)

### For Medical or Transportation Emergency

CANUTEC (24 Hours)  
 (613) 996-6666 - Call Collect

### Prepared By

Technical Services Group  
 11627 178th Street  
 Edmonton, Alberta T5S 1N6

## Section 2. Hazards Identification

### Emergency overview

Do not breathe vapor or mist. Do not get in eyes or on skin or clothing. Wash thoroughly after handling.

**NOTE:** MSDS data pertains to the product as delivered in the original shipping container(s). Risk of adverse effects are lessened by following all prescribed safety precautions, including the use of proper personal protective equipment.

### Acute Effects

### Routes of Entry

Eyes. Skin.

**Eyes** Irritating to eyes. Inflammation of the eye is characterized by redness, watering and itching.

**Skin** Irritating to skin. Skin inflammation is characterized by itching, scaling, or reddening.

**Inhalation** No known significant effects or critical hazards.

**Ingestion** May be harmful if swallowed.

### Chronic effects

Contains material which causes damage to the following organs: blood, kidneys, liver.

**Additional Information:** See Toxicological Information (Section 11)

## Section 3. Composition/Information on Ingredients

### Name of Hazardous Ingredients

### CAS number

### % by Weight

VIALB BACTERIAL CULTURES	Proprietary	1 - 5
ISOPROPYL ALCOHOL; ipa; dimethylcarbinol; 2-propanol	67-63-0	1 - 5
Alcohols (C12-15, Ln. saturated) ethoxylate	68131-39-5	1 - 5
PROPYLENE GLYCOL; 1,2-dihydroxypropane,1,2-propanediol	57-55-6	1 - 5

## Section 4. First Aid Measures

**Eye Contact** Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Continue to rinse for at least 10 minutes. Check for and remove any contact lenses. Get medical attention if irritation occurs.

**Skin Contact** Wash affected area with soap or mild detergent and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.

**Inhalation** If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

**Ingestion** Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.

## Section 5. Fire Fighting Measures

**Flash Point** Not available.

**Flammable Limits** Not available.

**Flammability** Non-combustible.

### Auto-ignition Temperature

**Fire-Fighting Procedures** Use an extinguishing agent suitable for the surrounding fire.

**Fire hazard** In a fire or if heated, a pressure increase will occur and the container may burst.

**Products of Combustion** Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide

**Explosion hazard** Not available.

### Section 6. Accidental Release Measures

**Spill Clean up** Put on appropriate personal protective equipment (see section 8). Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

### Section 7. Handling and Storage

**Handling** Put on appropriate personal protective equipment (see section 8). Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Wash thoroughly after handling.

**Storage** Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Store between the following temperatures: 40°F - 120°F (4.4°C - 49°C). Keep out of the reach of children.

### Section 8. Exposure Controls/Personal Protection

#### Product name

propan-2-ol

#### Exposure limits

##### CA Alberta Provincial (Canada, 4/2009).

15 min OEL: 984 mg/m<sup>3</sup> 15 minute(s).

8 hrs OEL: 200 ppm 8 hour(s).

15 min OEL: 400 ppm 15 minute(s).

8 hrs OEL: 492 mg/m<sup>3</sup> 8 hour(s).

##### CA British Columbia Provincial (Canada, 9/2010).

TWA: 200 ppm 8 hour(s).

STEL: 400 ppm 15 minute(s).

##### CA Ontario Provincial (Canada, 7/2010).

TWA: 200 ppm 8 hour(s).

STEL: 400 ppm 15 minute(s).

##### CA Quebec Provincial (Canada, 6/2008).

TWAEV: 400 ppm 8 hour(s).

TWAEV: 983 mg/m<sup>3</sup> 8 hour(s).

STEV: 500 ppm 15 minute(s).

STEV: 1230 mg/m<sup>3</sup> 15 minute(s).

propane-1,2-diol

##### CA Ontario Provincial (Canada, 7/2010).

TWA: 10 mg/m<sup>3</sup> 8 hour(s). Form: Aerosol only.

TWA: 155 mg/m<sup>3</sup> 8 hour(s). Form: Vapour and aerosol.

TWA: 50 ppm 8 hour(s). Form: Vapour and aerosol.

### Personal Protective Equipment (PPE)

**Eyes** Safety eyewear should be used when there is a likelihood of exposure. Safety glasses with side shields.



**Hands and Body** Chemical-resistant gloves.

**Respiratory** A respirator is not needed under normal and intended conditions of product use. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits.

### Section 9. Physical and Chemical Properties

**Physical State** Liquid.

**Color** Green.

**pH** 7-8

**Odor** Fresh

**Boiling Point** 100°C (212°F)

**Vapor Pressure** Not available.

**Specific Gravity** 1

**Vapor Density** 1 [Air = 1]

**Solubility** Easily soluble in the following materials: cold water and hot water.

**Evaporation Rate** 1 (Water = 1)

**Freezing Point**

**VOC (Consumer)** 5%

### Section 10. Stability and Reactivity

**Stability and Reactivity** The product is stable.

**Incompatibility** Reactive or incompatible with the following materials: acids and alkalis.

**Hazardous Polymerization** Will not occur.

**Hazardous Decomposition Products** Under normal conditions of storage and use, hazardous decomposition products should not be produced.

**Section 11. Toxicological Information**

**Carcinogenicity** No known significant effects or critical hazards.

**Acute Toxicity**

Product/ingredient name	Result	Species	Dose	Exposure
propan-2-ol	LC50 Inhalation Vapor	Rat	16000 ppm	
	LD50 Dermal	Rabbit	5030 mg/kg	
	LD50 Oral	Rat	5000 mg/kg	
	LD50 Oral	Rat	5045 mg/kg	
Alcohols, C12-15, ethoxylated propane-1,2-diol	LD50 Oral	Rat	2 g/kg	
	LD50 Dermal	Rabbit	208 mg/kg	
	LD50 Oral	Dog	260 mg/kg	
	LD50 Oral	Mouse	240 mg/kg	
	LD50 Oral	Rat	200 mg/kg	

**Section 12. Ecological Information**

**Environmental Effects** No known significant effects or critical hazards.

**Aquatic Ecotoxicity**

propan-2-ol	-	Acute LC50 1400000 ug/L Marine water	Crustaceans - Common shrimp, sand shrimp - Crangon crangon	48 hours
	-	Acute LC50 >1400000 ug/L	Fish - Western mosquitofish - Gambusia affinis - 20 to 30 mm	96 hours
Alcohols, C12-15, ethoxylated	-	Acute EC50 0.7 mg/L Fresh water	Algae - Green algae - Pseudokirchneriella subcapitata	96 hours
	-	Acute EC50 0.39 mg/L Fresh water	Crustaceans - Water flea - Ceriodaphnia dubia - Neonate - <24 hours	48 hours
	-	Acute EC50 302 ug/L Fresh water	Daphnia - Water flea - Daphnia magna - Neonate - <24 hours	48 hours
	-	Acute LC50 1030 ug/L Fresh water	Fish - Rainbow trout,donaldson trout - Oncorhynchus mykiss - 1.1 g	96 hours
	-	Chronic NOEC 83 ug/L Fresh water	Daphnia - Water flea - Daphnia magna - Neonate - <24 hours	21 days
propane-1,2-diol	-	Acute EC50 >1000 mg/L Fresh water	Daphnia - Water flea - Daphnia magna - <24 hours	48 hours
	-	Acute LC50 1020000 ug/L Fresh water	Crustaceans - Water flea - Ceriodaphnia dubia - <=24 hours	48 hours
	-	Acute LC50 710000 ug/L Fresh water	Fish - Fathead minnow - Pimephales promelas - <=7 days	96 hours

**Section 13. Disposal Considerations****Waste Information**

Waste must be disposed of in accordance with applicable regulations. Consult your local or regional authorities for additional information.

**Waste Stream****Section 14. Transport Information**

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label	Additional information
<b>TDG Classification</b>	Not regulated.	-	-	-		-
<b>IMDG Class</b>	Not available.	Not available.	Not available.	-		-

**NOTE: DOT classification applies to most package sizes. For specific container size classifications or for size exceptions, refer to the Bill of Lading with your shipment. Limited Quantity: Small quantities of controlled goods are not regulated as Dangerous Goods according to TDG regulations.**

PG\* : Packing group

**Section 15. Regulatory Information****Canada****WHMIS (Canada)**

Class D-2B: Material causing other toxic effects (Toxic).

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

**Section 16. Other Information**

*To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor 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 that exist.*