

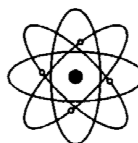
**Product Name: Ultrasonic Cleaner/Degreaser**

**CODE: I305**

## MATERIAL SAFETY DATA SHEET

Date completed: June 14<sup>th</sup>, 2015

DISTRIBUTED BY Western Ultrasonics  
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**Western Ultrasonics Inc.**  
"The Sound Solution"

Blended by:  
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**PRODUCT NAME: Ultrasonic Cleaner/Degreaser CODE: I305**  
**WHMIS CLASSIFICATION: B3; D2B**  
**TDG CLASSIFICATION: Not Regulated**

HAZARDOUS INGREDIENTS	% WT/WT	CAS NO.	TOXICITY DATA (LD50 & LC50)
d-Limonene	7-13	5989-27-5	LD50 Oral (rat) 4400 mg/kg LD50 Dermal (rabbit) 5000 mg/kg
Triethanolamine	1-5	102-71-6	LD50 Oral (rat) 4000 mg/kg LD50 Dermal (rabbit) 2000 mg/kg

### PHYSICAL DATA FOR PRODUCT

Physical State: Liquid Sp.Gravity: 0.990 pH: 8.7 1% sol. - 8.1  
Boiling Point: Not Avail. Vapour Pressure: Not Avail.  
Vapour Density: Not Avail. Evaporation Rate: Not Avail.  
Freezing Point: Not Avail. Solubility in Water: 100 %  
Appearance & Odour: Amber coloured liquid with citrus odour.

### FIRE AND EXPLOSION DATA FOR PRODUCT

Flash Point (Test Method): 49°C  
Flammable Limits in Air, % by vol. Lower: Not Avail Upper: Not Avail.  
Fire Extinguishing Substances: (X) Water Fog (X) Foam (X) CO2 (X) Dry Chem ( ) Other:  
Hazardous Combustion Products: Oxides of carbon.  
Special Firefighting Procedures: As for surrounding fire.

### REACTIVITY DATA FOR PRODUCT

Incompatibility: ( ) Water (X) Oxidizing Material ( ) Acid ( ) Base ( ) Other:  
Hazardous Decomposition Products: Combustion will cause carbon dioxide and carbon monoxide.  
Chemical Stability: Stable.  
\*N/A - Not applicable.

### HEALTH HAZARD INFORMATION FOR PRODUCT

**EMERGENCY and FIRST AID PROCEDURES**

Inhalation: N/A  
Ingestion: Drink large quantities of water. Get medical attention.  
Eyes: Rinse with water for 15 minutes. Get medical attention.  
Skin: Wash off with warm water.

**EFFECTS OF OVEREXPOSURE (Acute and Chronic)**

Inhalation: None.  
Ingestion: May cause nausea, vomiting and diarrhea.  
Eyes: May cause persistent eye irritation and possible eye damage.  
Skin: May cause irritation, drying, de-fatting and dermatitis if prolonged contact occurs.

**PREVENTIVE MEASURES**

Steps to be taken upon release or spillage (including neutralizing):  
For larger spills, contain and pick-up. For small spills, wash area with warm water.

**Waste disposal method:**

Bury or incinerate according to local, provincial and federal regulations.

**Handling and Storage Requirements:**

Store in closed container away from incompatible material.

Ventilation Requirements (Local or General):

General.

Respiratory Protection:

Not normally necessary.

Eye Protection:

Safety glasses with side-shield.

Other Protection: Rubber gloves should be worn.

Prepared by: Technical Services Department, Ostrem Chemical Co. Ltd., ph: (780) 440-1911