

## MATERIAL SAFETY DATA SHEET

### 1. IDENTIFICATION

OSTREM CHEMICAL CO. LTD.  
2310 - 80 AVENUE  
EDMONTON AB T6P 1N2

Phone: 780-440-1911 or 780-446-0177  
In Case of Emergency Only:  
phone CANUTEC at (613) 996-6666

**Product name:** ED-300 ELECTRICAL DEGREASER

Code: I317

**Other name:**

**Distributed by:**

**Product use:** degreaser

**Date completed:** July 13, 2011

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### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	%W/W	CAS number
trichloroethylene	100	79-01-6

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### 3. HAZARDS IDENTIFICATION

Eye irritant. Harmful if swallowed.

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### 4. FIRST AID MEASURES

**Inhalation:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

**Ingestion:** Induce vomiting only on the direct advice of a poison control centre. Get medical attention.

**Eye contact:** Flush with plenty of water for at least 15 minutes. Get medical attention.

**Skin contact:** Remove contaminated clothing and flush with plenty of water.

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### 5. FIRE - FIGHTING MEASURES

**Flash point (test method):** Not applicable

**Flammable limits (%):** Non-flammable

**Lower:** Not applicable

**Upper:** Not applicable

**Fire extinguishing substances:** Use extinguishing media appropriate for surrounding fire.

**Autoignition temperatures:** Not applicable

**Hazardous combustion products:** May liberate carbon monoxide, carbon dioxide, hydrogen chloride, phosgene, chlorine.

**Explosion data:**

**Sensitivity to mechanical impact:** Not applicable

**Sensitivity to static discharge:** Not applicable

**Special firefighting procedures:** As for surrounding fire.

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### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Wear appropriate protective equipment.

**Environmental precautions:** Prevent from entering sewers, waterways or low areas.

**Methods for cleaning up:** Isolate hazard area and restrict access. Small spills: soak up with inert absorbent material and scoop into containers. Large spills: prevent contamination of waterways. Dike and pump into suitable containers. Clean up residual with absorbent material, place in appropriate container and flush with water.

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### 7. HANDLING AND STORAGE

**Handling:** Do not ingest. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.

**Storage:** Store in a cool dry area. Empty packages contain residual hazardous material; handle as if

full.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering controls:** Special ventilation requirements not normally necessary  
**Respiratory protection:** Not normally necessary.  
**Eye protection:** Not normally necessary. Safety glasses may be worn.  
**Other protection:** Not normally necessary.

### Exposure limits:

INGREDIENT	ACGIH	OSHA	Other
trichloroethylene	25ppm STEL 10ppm TLV-TWA		

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid	<b>Solubility in water:</b>	insoluble
<b>Boiling point:</b>	Not available	<b>Vapour pressure:</b>	Not available
<b>Vapour density:</b>	Not available	<b>Evaporation rate:</b>	Not available
<b>Freezing point:</b>	Not available	<b>Odour threshold:</b>	Not available
<b>Sp. Gravity:</b>	1.46	<b>pH:</b>	6.5-7.5
<b>Appearance &amp; odour:</b>	clear, colourless liquid with chloroform-like odour		

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## 10. STABILITY AND REACTIVITY

**Stability:** Stable  
**Conditions of instability:** Not available  
**Incompatibility:** ( ) Water (X) Oxidizers ( ) Acid (X) Base ( ) Other  
**Conditions of reactivity:** Not available  
**Hazardous decomposition products:** Not available

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## 11. TOXICOLOGICAL PROPERTIES

### POTENTIAL ACUTE HEALTH EFFECTS

**Inhalation:** Causes irritation and may cause weakness, dizziness, slurred speech, drowsiness, unconsciousness; and in severe cases of overexposure, coma and death.  
**Ingestion:** Swallowing small amounts of this material is not likely to cause harmful effects. Large amounts may cause stomach and intestinal irritation, abdominal pain and vomiting.  
**Eye contact:** May cause mild to severe irritation such as stinging, tearing.  
**Skin contact:** May cause skin irritation.  
**Skin absorption:** Not available

### POTENTIAL CHRONIC HEALTH EFFECTS:

**Inhalation:** Repeat or prolonged exposure may cause damage to lungs.  
**Ingestion:** Not available  
**Eye contact:** Not available  
**Skin contact:** Prolonged contact may cause discomfort  
**Skin absorption:** Not available

<b>Irritancy of product:</b>	See WHMIS criteria
<b>Sensitization of product:</b>	Not available
<b>Carcinogenicity:</b>	IARC (1, 2A or 2B) 2A ACGIH: (A1, A2 or A3) A2 - Suspected Human Carcinogen
<b>Reproductive toxicity:</b>	Not available
<b>Teratogenicity:</b>	Not available
<b>Mutagenicity:</b>	Not available
<b>Synergistic product:</b>	Not available

HAZARDOUS INGREDIENTS  
trichloroethylene

CAS NO.  
79-01-6

TOXICITY DATA  
LC50 Inhalation (rat): 26300 ppm/4H  
LD50 Oral (rat): 4290 mg/kg  
LC50 Inhalation (rat): 8000 ppm/1H  
LD50 Dermal (rabbit): 20 g/kg

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## 12. ECOLOGICAL INFORMATION

Ecotoxicological information: Not available  
Other information:

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## 13. DISPOSAL CONSIDERATIONS

Waste disposal: Disposal of all waste must be done according to local, provincial and federal regulations.

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## 14. TRANSPORT INFORMATION

TDG classification: TRICHLOROETHYLENE; Class 6.1; UN 1710; PG III

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## 15. REGULATORY INFORMATION

WHMIS: D1B Toxic Material  
D2A Very Toxic Material  
D2B Other Toxic Effects

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

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## 16. PREPARATION INFORMATION

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