

# CHEM INTERNATIONAL

## **MATERIAL SAFETY DATA SHEET**

**EMERGENCY #: CANUTEC (613) 996-6666**

### PRODUCT IDENTIFICATION AND PREPARATION INFORMATION

**PRODUCT NAME:** C.I. Orange Power **EFFECTIVE DATE:** January 8, 2009  
**WHMIS CLASS:** B3, Combustable; D2, Toxic  
**T.D.G. CLASSIFICATION FOR BULK LOADS:** Not regulated  
**UN:** N/A **CLASS:** N/A **PG:** N/A **CHEMICAL FAMILY:**  
**MATERIAL USE:** Concentrated orange based cleaner and degreaser.

### HAZARDOUS INGREDIENTS

<b>INGREDIENTS</b>	<b>CAS #</b>	<b>Wt%</b>	<b>TOXICITY DATA LD50 / LC50</b>
D-Limonene	5989-27-5	7-13%	LD <sub>50</sub> Oral (rat) 4400 mg/kg LD <sub>50</sub> Dermal (rabbit) 5000 mg/kg
Triethanolamine	102-71-6	5-10%	LD <sub>50</sub> Oral (rat) 4000 mg/kg LD <sub>50</sub> Dermal (rabbit) 2000 mg/kg

### PHYSICAL DATA

**BOILING POINT(°C):** N/A **COEF. OF WATER/OIL DIST.:** N/A  
**VAPOUR PRESSURE (mm Hg):** N/ **SPECIFIC GRAVITY (H<sub>2</sub>O=1):** 0.990  
**VAPOUR DENSITY (Air=1):** N/A **PERCENT VOLATILE (by vol.):** Not specified  
**SOLUBILITY IN WATER:** 100% **EVAPORATION RATE (H<sub>2</sub>O=1):** Not specified  
**PHYSICAL STATE:** Liquid. **ODOUR THRESHOLD:** N/A  
**pH (as supplied):** 8.7 1% sol. - 8.1 **FREEZING POINT(°C):** N/A  
**APPEARANCE AND ODOUR:** Amber coloured liquid with citrus odour.

### FIRE AND EXPLOSION DATA

**FLAMMABILITY:** Not specified  
**FLASH POINT (Deg C method):** 50 Deg. C  
**UEL:** N/A  
**LEL:** N/A  
**HAZARDOUS COMBUSTION PRODUCTS:** Oxides of carbon.  
**MEANS OF EXTINCTION:** Water fog, foam, carbon dioxide, dry chemical.  
**SPECIAL FIREFIGHTING PROCEDURES:** As for surrounding fire.  
**FIRE AND EXPLOSION HAZARDS:** None specified.

### REACTIVITY DATA

**CONDITIONS FOR CHEMICAL INSTABILITY:** Stable.  
**INCOMPATIBILITY:** Oxidizing material.  
**HAZARDOUS DECOMPOSITION PRODUCTS:** Combustion will cause carbon monoxide and carbon dioxide.  
**REACTIVITY:** None

### FIRST AID

**EYE:** Rinse with water for 15 minutes, get medical attention.  
**SKIN:** Wash off with warm water.  
**INHALATION:** Remove from exposure. If breathing is difficult or discomfort persists, get medical attention.  
**INGESTION:** Drink large quantities of water. Get medical attention. Do not induce vomiting.

## TOXICOLOGICAL PROPERTIES

**ROUTE OF ENTRY:** Eyes, skin contact, inhalation, ingestion

**EFFECTS OF ACUTE EXPOSURE:**

**EYE:** May cause persistent eye irritation, and possible eye damage.

**SKIN:** May cause irritation, drying, defatting, and dermatitis if prolonged contact occurs.

**INHALATION:** May cause irritation of the respiratory tract.

**INGESTION:** May cause nausea, vomiting, and diarrhea.

**EFFECTS OF CHRONIC EXPOSURE:**

**SKIN:**

**IRRITANCY:**

**SENSITIZATION:**

**CARCINOGENICITY:** Non Hazardous by WHMIS Criteria

**REPRODUCTIVE TOXIN:** N/D

**TERATOGENICITY:** N/D

**MUTAGENICITY:** N/D

**SYNERGISTIC MATERIALS:** N/D

**EXPOSURE LIMITS:** N/D

## PREVENTATIVE MEASURES

**GLOVES:** Rubber gloves should be worn.

**EYE PROTECTION:** Safety glasses with sideshield.

**RESPIRATORY PROTECTION:** Approved respirator is recommended in misting or spraying applications.

**OTHER PROTECTIVE EQUIPMENT:**

**ENGINEERING CONTROLS:** General ventilation.

**LEAK AND SPILL PROCEDURE:** For larger spills, contain and pick-up. For smaller spills, wash area with warm water.

**WASTE DISPOSAL:** Bury, or incinerate in accordance with federal, provincial, and local regulations.

**HANDLING & STORAGE REQUIREMENTS:** Store in closed container away from incompatible material.

N/AP= NOT APPLICABLE · N/E=NOT ESTABLISHED · N/D=NOT DETERMINED · N/AV=NOT AVAILABLE  
 <=LESS THAN - >=MORE THAN

## HMIS HAZARD RATING INFORMATION

**FIRE**

**REACTIVITY**

**HEALTH**

**PERSONAL PROTECTION**

0 – Minimal, 1- Slight, 2 – Moderate, 3 – Serious, 4 – Extreme.

DISCLAIMER: Information for this material safety data sheet was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases, data is not available and is so stated. Since conditions of actual product use are beyond the control of the supplier, it is assumed that the user of this material has been fully trained according to the mandatory requirements of WHIMIS. No warranty, expressed or implied is made, and supplier will not be liable for any losses, injuries, or consequential damage that may result from the use or reliance on any information contained in this form.

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