

# CHEM INTERNATIONAL

## **MATERIAL SAFETY DATA SHEET**

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

### PRODUCT IDENTIFICATION AND PREPARATION INFORMATION

**PRODUCT NAME:** C.I Shield

**EFFECTIVE DATE:** January 9, 2009

**WHMIS CLASS:** Class A, Compressed gas

**T.D.G. CLASSIFICATION:** Consumer Commodity

**UN: CLASS: PG: CHEMICAL FAMILY:** N/A

**MATERIAL USE:** Invisible Skin Protector

### HAZARDOUS INGREDIENTS

<b>CHEMICAL NAME</b>	<b>CAS #</b>	<b>%WT</b>	<b>TWA/TLV</b>	<b>LD 50</b>	<b>LC 50</b>
Stearic Acid	57-11-4	01-05	N/D	N/D	N/D
Polydimethylsiloxane	63148-62-9	01-05	N/D	N/D	N/D
Propylene Glycol	57-55-6	01-05	N/D	N/D	N/D
Triethanolamine	102-71-6	01-05	N/D	N/D	N/D
Isopropyl Myristate	110-27-0	01-05	N/D	N/D	N/D
Liquified Petroleum Gas	68476-86-8	05-10	1000ppm	N/D	N/D

### PHYSICAL DATA

**DATA BELOW BASED ON AEROSOL CONCENTRATE ONLY:**

**BOILING POINT:** ~ 100° C

**pH:** 8.0

**SOLUBILITY IN WATER:** Complete  
1.00

**APPEARANCE/ODOR:** White Foam, Perfumed Odor

**DATA BELOW BASED ON TOTAL CONTENTS:**

**VAPOR PRESSURE OF CAN (PSIG @20° C):** 64

**TOTAL VOC %:** ~ 5%

**VAPOR DENSITY(AIR=1):** >1

**SPECIFIC GRAVITY (H<sub>2</sub>O=1)@75°F:**

### FIRE AND EXPLOSION DATA

**FLASH POINT (of Concentrate Only):** None to Boiling (~100° C - T.O.C)

**FLAMMABILITY (as per USA Flame Projection Test):** Non-Flammable Spray

**EXTINGUISHING MEDIA:** Foam, CO<sub>2</sub>, Dry Media

**SPECIAL FIRE FIGHTING PROCEDURES:** Wear self-contained breathing apparatus and protective clothing. Cool fire exposed containers to prevent rupturing.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Exposure to temperature above 50° C may cause bursting.

### REACTIVITY DATA

**STABILITY:** Material Stable.

**HAZARDOUS POLYMERIZATION:** Will not Occur.

**INCOMPATIBILITY:** Avoid contact with strong oxidizing agents.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon Dioxide, Carbon Monoxide.

### FIRST AID

**EYES:** Flush with large amounts of cool running water for at least 15 minutes while holding upper and lower lids open. If irritation persists get medical attention immediately.

**SKIN:** If, in rare cases, allergic reaction occurs, wash with soap and water. If irritation persists seek medical attention.

**INHALATION:** Remove to fresh air. Seek medical attention immediately. If breathing stops give artificial respiration.

**INGESTION:** Do not induce vomiting. Seek medical attention immediately.

## TOXICOLOGICAL PROPERTIES

**ROUTE OF ENTRY:** Eyes contact ( ), Skin contact ( ), Skin absorption ( ), Inhalation ( ), Ingestion ( )

**EFFECTS OF ACUTE EXPOSURE:**

**EYES:** May cause slight irritation but does not injure eye tissue.

**SKIN:** None

**INHALATION:** None

**INGESTION:** Can cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration of material into the lungs can cause chemical pneumonitis. Minimal toxicity.

**EFFECTS OF CHRONIC EXPOSURE:**

**SKIN:** N/AP

**IRRITANCY:** N/AV

**SENSITIZATION:** N/AV

**CARCINOGENICITY:** N/AV

**REPRODUCTIVE TOXIN:**

**TERATOGENICITY:** N/AV

**MUTAGENICITY:** N/AV

**SYNERGISTIC MATERIALS:** N/AV

**EXPOSURE LIMITS:** N/AV

## PREVENTATIVE MEASURES

**HAND PROTECTION:** None.

**EYE PROTECTION:** None needed unless it is anticipated that a splash or spray back will occur, then wear safety glasses or chemical proof goggles.

**RESPIRATORY PROTECTION:** None.

**BODY PROTECTION:** None.

**FOOT PROTECTION:** None.

**ENGINEERING CONTROLS:** N/AV

**LEAK AND SPILL PROCEDURE:** Allow propellant to evaporate. Maintain local exhaust and adequate ventilation. No smoking. Keep sparks, heat sources and open flame far away from spill or leak. Cover with absorbent material and sweep up. Wash area to prevent slipping.

**WASTE DISPOSAL:** Aerosol cans, when emptied and depressurized through normal use, pose no disposal hazard and should be recycled. Review federal, provincial and local government requirements prior to disposal.

**STORAGE REQUIREMENTS: KEEP OUT OF REACH OF CHILDREN.** For Industrial and Institutional use only.

Store in a cool, dry area away from heat or open flame. Do not store at temperatures above 50° C.

**HANDLING PROCEDURES:** N/AP

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	0	0	None.

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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