

# MATERIAL SAFETY DATA SHEET

## CROMAC #445

### SECTION 1 - PRODUCT IDENTIFICATION AND USE

PRODUCT NAME: CROMAC #445  
PRODUCT USE: Corrosion Preventive  
CHEMICAL FAMILY: Blend of solvents and corrosion inhibitors  
CHEMICAL FORMULA: Not available  
CHEMICAL NAME: Not applicable (blend)  
SUPPLIER & MANUFACTURER: CROMAC INC.  
80 Summerlea Road  
Brampton, Ontario L6T 4X3  
EMERGENCY TELEPHONE: (905) 458-1999

### SECTION 11 - HAZARDOUS INGREDIENTS

Identity	Concentration	CAS #	Additional Information
Petroleum Distillate	60 - 100%	8052-41-3	TLV 100 ppm (recommended)
Glycol Ether	1 - 5 %	111-76-2	LD50 (ORL-RAT) - 2616 mg/kg

### SECTION 111 - PHYSICAL DATA

N.A - Not Applicable, N.D - Not Determined

PHYSICAL STATE:	Liquid	SPECIFIC GRAVITY:	.82 @ 20°C
pH:	N.A.	ODOR THRESHOLD:	N.D.
VAPOUR PRESSURE:	N.D.	VAPOUR DENSITY (air=1)	>1
EVAPORATION RATE (nBuAc=1)	<1	BOILING POINT:	>170°C
FREEZING POINT:	N.D.		
ODOR & APPEARANCE:	amber brown liquid, mild aromatic odor		

### SECTION IV - FIRE AND EXPLOSION DATA

FLAMMABILITY: Combustible  
IF YES, UNDER WHAT CONDITIONS? : Elevated temperature (above the flash point), source of ignition, presence of air.  
FLASH POINT: 42°C Tag Closed Cup                      AUTOIGNITION TEMPERATURE: N.D.  
LOWER FLAMMABLE LIMIT (% by volume) 1.0                      UPPER FLAMMABLE LIMIT 6.0  
EXTINGUISHING MEDIA: Foam, water fog, dry chemicals, CO2  
SPECIAL FIREFIGHTING PROCEDURES: N.A.

### SECTION V - REACTIVITY DATA

STABILITY: This product is stable under normal storage conditions.  
CONDITIONS TO AVOID: Keep away from heat, sparks, flame.  
INCOMPATIBILITY: Avoid contact with strong mineral acids, oxidizing materials  
HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may produce carbon monoxide and dioxide, sulfur dioxides, acrid smoke.

### SECTION VI - TOXICOLOGICAL PROPERTIES

PRIMARY ROUTE (S) OF ENTRY: SKIN CONTACT, INHALATION, INGESTION, EYE CONTACT

EFFECTS OF ACUTE AND CHRONIC EXPOSURE TO PRODUCT:

- Inhalation:** Prolonged exposure to high vapour concentration can cause headaches, nausea, dizziness, and central nervous system depression.  
**Eye Contact:** May cause irritation. Vapours are moderately irritating to the eyes (at high concentrations)  
**Skin Contact:** May cause irritation (under prolonged or repeated contact).  
**Ingestion:** Moderately toxic. May cause headache, dizziness, vomiting, diarrhea, and general weakness.

EXPOSURE LIMITS: TLV 100 ppm IRRITANCY OF PRODUCT: Eyes  
SENSITIZATION TO PRODUCT: Skin TOXICOLOGICAL SYNERGISTIC PRODUCTS: N.A.  
CARCINOGENICITY, REPRODUCTIVE EFFECTS, TERATOGENICITY, MUTAGENICITY:  
No material found in this product is considered to be carcinogenic or suspect at this time.

**SECTION VII - FIRST AID MEASURES**

- Inhalation:** Remove to fresh air.  
**Eyes:** Flush eyes with water for at least 15 minutes. If irritation occurs/persists, contact physician.  
**Skin:** Wash with mild soap and water. Wash contaminated clothing before reuse.  
**Ingestion:** Obtain medical attention immediately. Do not induce vomiting. Prevent aspiration. Do not give anything by mouth to an unconscious person. Keep person warm and quiet.

**SECTION VII - PREVENTATIVE MEASURES**

- PERSONAL PROTECTIVE EQUIPMENT:  
Respirator: For concentrations above TLV, a NIOSH/OSHA approved organic canister or air-supplied respirator.  
Gloves: Wear oil and chemical resistant gloves when contact may occur.  
Eyes: Chemical safety goggles to guard against splash.  
Clothing: Overalls, apron (if possibility of splashes).  
VENTILATION: Local/general exhaust to maintain suggested TLV. Electrical and mechanical equipment should be spark proof.  
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Eliminate all sources of ignition. Shut off source if possible to do so without hazard. Contain and recover by pumping or by using a suitable absorbent.  
WASTE DISPOSAL METHOD: Dispose of in accordance with all local, provincial and federal regulations.  
PRECAUTIONS TO BE TAKEN IN HANDLING & STORING: Keep container closed when not in use. Keep away from heat, spark or open flame. Store in a clean, dry area away from any oxidizing materials. Store in a cool, well-ventilated location.

**SECTION IX - PREPARATION INFORMATION**

PREPARED BY: Chemist CROMAC INC. DATE: Feb 27, 2007

**SECTION X - REGULATORY INFORMATION**

- TDG CLASSIFICATION: Not regulated  
WHMIS CLASSIFICATION: B-3 Combustible Liquid  
D-2-B (skin sensitizer)

The information contained herein is to the best of our knowledge and belief accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no responsibility for damages incurred through the use of this material. It is the responsibility of the user to comply with all Federal, Provincial and Local laws and regulations. Physical data reported herein is intended solely for use in evaluating the product with respect to WHMIS and does not constitute a product specification.