

(10076)

# MATERIAL SAFETY DATA SHEET

## CROMAC #420

### SECTION 1 - PRODUCT IDENTIFICATION AND USE

PRODUCT NAME: Cromac #420  
 PRODUCT USE: Corrosion Protective Coating  
 CHEMICAL FAMILY: Petroleum Hydrocarbon Blend  
 CHEMICAL FORMULA: Not determined  
 CHEMICAL NAME: Not applicable (blend)

SUPPLIER & MANUFACTURER: CROMAC INC.  
 80 Summerlea Road  
 Brampton, Ontario L6T 4X3

EMERGENCY TELEPHONE: (905) 458-1999

**APPROVED MATERIAL**

JAN 11 2013

MSDS # 10076

APPROVED BY *Henry Q.O.*

### SECTION 11 - HAZARDOUS INGREDIENTS

Identity	Concentration	CAS #	Additional Information
Industrial Asphalt (complex mixture of oxidized bitumen and solvent)	40 - 70 %	64742-93-4 8052-41-3	TLV: 5mg/m <sup>3</sup> (asphalt fumes) 100 ppm (solvent vapors)
Petroleum Distillate	7 - 13 %	74742-47-8	TLV: 100 ppm

**This product contains no other hazardous ingredients.**

### SECTION 111 - PHYSICAL DATA

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

PHYSICAL STATE: Liquid      SPECIFIC GRAVITY: 0.88 @ 20°C  
 pH: N.A      ODOR THRESHOLD: viscous (N.D)  
 VAPOUR PRESSURE: N.D      VAPOUR DENSITY (air=1) >1  
 EVAPORATION RATE(Water=1) <1      BOILING POINT: 250-380°F  
 FREEZING POINT: N.D

ODOR & APPEARANCE: dark, brown-black liquid, aliphatic solvent odor

### SECTION IV - FIRE AND EXPLOSION DATA

FLAMMABILITY: Combustible  
 IF YES, UNDER WHAT CONDITIONS?: Elevated temperature, presence of air, source of ignition.  
 HAZARDOUS COMBUSTION PRODUCTS: Oxides of Carbon, Nitrogen and Sulfur, possibly Hydrogen Sulfide

FLASH POINT: 39°C, ASTM D-93 PMCC      AUTOIGNITION TEMPERATURE: N.D  
 LOWER FLAMMABLE LIMIT (% by volume) N.D      UPPER FLAMMABLE LIMIT N.D  
 EXTINGUISHING MEDIA: Foam, dry chemicals, CO<sub>2</sub>  
 SPECIAL FIREFIGHTING PROCEDURES: Use self-contained breath, apparatus

## SECTION V - REACTIVITY DATA

**STABILITY:** This product is stable under normal storage conditions.  
**CONDITIONS TO AVOID:** Heat, open flame  
**INCOMPATIBILITY:** Yes  
**MATERIALS TO AVOID:** Strong oxidizing agents  
**CONDITIONS OF REACTIVITY:** Direct contact with above listed materials  
**HAZARDOUS DECOMPOSITION PRODUCTS:** CO<sub>1</sub>, CO<sub>2</sub>, heavy smoke, sulfur oxides, nitrogen oxides.

## SECTION VI - TOXICOLOGICAL PROPERTIES

**PRIMARY ROUTE (S) OF ENTRY:**

Skin Contact      Eye Contact      Inhalation      Ingestion

**EFFECTS OF ACUTE AND CHRONIC EXPOSURE TO PRODUCT:**

**Inhalation:** Of vapors, mist or asphalt fumes will cause headaches, nausea, dizziness and intoxication; nervous system depressant. Long term exposure to high concentrations of solvent vapors may cause liver or kidney damage  
**Eye Contact:** With product can cause inflammation of tissues around the eyes.  
**Skin Contact:** Prolonged exposure to skin may cause dermatitis.  
**Ingestion:** Is unlikely

**EXPOSURE LIMITS:** N.D  
**SENSITIZATION TO PRODUCT:** Skin  
**CARCINOGENICITY, REPRODUCTIVE EFFECTS, TERATOGENICITY, MUTAGENICITY:** N.D  
**IRRITANCY OF PRODUCT:** Eyes  
**TOXICOLOGICAL SYNERGISTIC PRODUCTS:**

## SECTION VII - FIRST AID MEASURES

**Inhalation:** Remove to fresh air. Administer artificial respiration if necessary.  
**Eyes:** Copious warm water flush-15 minutes. Physician assessment if eyes inflamed. Cleanse soiling with olive oil  
**Skin:** Cleanse with mineral spirit or oil followed by soap and water.  
**Ingestion:** **DO NOT INDUCE VOMITING.** If vomiting - take care to prevent aspiration. Give glass of milk to drink. Liquid paraffin may slow gastric absorption. Mandatory physician assessment.

## SECTION VIII - PREVENTATIVE MEASURES

**PERSONAL PROTECTIVE EQUIPMENT:**

**Respirator:** Normally not needed unless concentration of solvent vapor exceeds 100 ppm. For solvent vapor up to 1000 ppm - use an approved full face organic vapor cartridge respirator  
**Gloves:** Rubber, neoprene, or oil resistant  
**Eyes:** safety goggles  
**Clothing:** Rubber apron if possibility of splashes  
**VENTILATION:** General ventilation  
**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Eliminate sources of ignition. Absorb and collect residue

WASTE DISPOSAL METHOD: Dispose of in accordance with all Local, Provincial and Federal regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING & STORING: Store in cool, dry, well-ventilated area.

<b>SECTION IX - PREPARATION INFORMATION</b>
---

PREPARED BY: CROMAC INC.

DATE: December 1, 2012

<b>SECTION X - REGULATORY INFORMATION</b>
---

TDG CLASSIFICATION:

Non Regulated

WHMIS CLASSIFICATION:

Class B, Div. 3: Combustible

Class D, Div. 2B: Materials causing other toxic effects

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.