

# MF PAINTS INC.

## MATERIAL SAFETY DATA SHEET

### SECTION 1 GENERAL INFORMATION

Manufacturer: MF PAINTS inc.  
1605 Dagenais West  
Ste-Rose, Quebec, H7L 5A3

TDG: Not regulated

Product name: **Proline**  
Use: Paints

Product code: **6038**

IN CASE OF EMERGENCY, CONTACT ANTI-POISON CENTER

SIMDUT: D2A, D2B

### SECTION 2 HAZARDOUS INGREDIENTS

| Component:      | %   | CAS No.  | LD 50 Species/ Route                             | LC 50 Species/ Route |
|-----------------|-----|----------|--|----------------------|
| Ethylene glycol | 1-3 | 107-21-1 | 8540 mg/kg (oral-rat)<br>7500 mg/kg (oral-mouse) | 10876 mg/kg (rat)    |

### SECTION 3 PHYSICAL AND CHEMICAL PROPERTIES

Physical state at 20°C: Liquid  
Odour: odourless  
Freezing/ melting point: 0°C  
Volatile by weight (%): 42 - 50

Colour: White  
Boiling point: 100°C  
Density (G /ML): 1.1 - 1.5  
Evaporation rate (n-butyl acetate=1): N.A.

Solubility in water: miscible  
Vapour pressure (mm of Hg): N.A.  
Vapour density (air=1): N.A.

### SECTION 4 FIRE OR EXPLOSION RISK

Flammability: No  
Auto-ignition temperature: N.A.

Flash point: Closed cup: N.A.  
Flammable limits: Lower: n/a

Open cup: n/a  
Upper: n/a

Combustion products: Carbon monoxide, carbon dioxide.

Extinguishing media: Carbon dioxide, foam, dry chemical, alcohol foam, water fog. Do not direct a solid stream of water or foam into hot, burning pools; this may cause frothing and increase fire intensity.

Special fire procedures: Wear full protective equipment including a self-contained breathing apparatus. Vapours mixed with air create an explosive mixture. Cool off exposed containers with water.

### SECTION 5 REACTIVITY

Stability: yes

Reactivity: under excessive heat

Incompatibility: yes, with strong acids, strong bases, and strong oxidants. Reacts strongly in contact with oxidants agents or hydroxyl composites.

Decomposition products: thermal decomposition (500-600°C): carbon monoxide, carbon dioxide, acetaldehyde.

### SECTION 6 TOXICOLOGICAL PROPERTIES

#### TOXIC EFFECTS:

Inhalation: High vapours concentrations may produce nausea, vomiting, headache, dizziness, irregular eye movements, abdominal discomfort, drowsiness, malaise, blurring of vision, lumbar pain, oliguria, uraemia and central effects system, including convulsions and coma. Cardiac failure and pulmonary oedema may develop.

Skin: possible irritation

Ingestion: same as inhalation. Severe kidney damage follows the swallowing of large volumes of ethylene glycol. May be fatal.

Eyes: possible irritation. Excess redness and swelling of the conjunctiva may occur.

CHRONIC EFFECTS: repeated contact may cause dermatitis, conjunctiva. On animals (inhalation or ingestion): dose related increase in renal tumour incidence and hepatics.

#### TOXICOLOGICAL DATA:

Time-weighted average exposure value: (ppm) 50p (mg/m3) 127p

Mutagenicity: insufficient data to evaluate.

Reproduction system effects: Passes through the placental barrier in animals.

Carcinogenicity: studies suggest the absence of effects.

Teratogenicity: insufficient data to evaluate.

Other effect: antagonism: ethanol, b6 vitamins, magnesium, pyrazole.

### SECTION 7 PREVENTION

Gloves: appropriate gloves.

Foot wear: N.A.

Equipment and clothing: protection equipment

Eyes protection: glasses

Ventilation: Maintain the concentrations under the minimal exposition rate.

Breathing protection: protection equipment

Leak or accident: Absorb with paper, sand or sawdust.

Waste disposal: Refer to the regional office of the environmental minister.

Handling and storage: ventilate adequately or wear an appropriate breathing apparatus Wear eye protection. Avoid contact with skin. Store in a sealed container, in a well ventilated area, away from oxidants materials.

### SECTION 8 FIRST AID

Breathing: vapours inhalation- bring the person in a well-ventilated area. If breathing has stopped, administer artificial respiration. Give oxygen, keep warm and call a physician.

Skin contact: Wash skin with water and soap.

Eyes contact: Flush eyes with lukewarm water. If irritation persists, consult a physician.

Ingestion: Vomit if conscient. Call a physician.

### SECTION 9 PREPARATION INFORMATION

We believe that the information given above is up to date at the preparation date of this toxicological index. Because the handling of these information's are not upon the control of this company, the users have the full responsibility to determine the conditions to properly and safely use this product.

Manager: Richard St-Onge

Preparation date: December 2015

Phone: (450) 628-3831 **Poison Centre 1-800-463-5060**