

MF PAINTS INC.

MATERIAL SAFETY DATA SHEET

SECTION 1 GENERAL INFORMATION

Manufacturer: **MF PAINTS inc.** TDG: Not regulated Product name: Paint for playgrounds
1605 Dagenais West Use: Paint
Laval, Quebec, H7L 5A3 Product code: **199**

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	1-2	107-21-1	8540 mg/kg (oral-rat) 7500 mg/kg (oral-mouse)	10876 mg/kg (rat)

SECTION 3 PHYSICAL AND CHEMICAL PROPERTIES

Physical state at 20°C: liquid	Colour: White	Solubility in water: miscible
Odour: odourless	Boiling point: 100°C	Vapour pressure (mm of Hg): n/a
Freezing/ melting point: 0°C	Density (G /ML): 1.2 - 1.4	Vapour density (air=1): n/a
Volatile by weight (%): 62-68	Evaporation rate (n-butyl acetate=1): n/a	

SECTION 4 FIRE OR EXPLOSION RISK

Flammability: No Flash point: Closed cup: n/a Open cup: n/a
Auto-ignition temperature: n/a Flammable limits: Lower: 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 creates 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 hydroxyls components.
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, 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 conjunctivae may occur.
CHRONIC EFFECTS: repeated contact may cause dermatitis, conjunctivae. 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. Cancerogenicity: studies suggest the absence of effects.
Reproduction system effects: Passes through the placental barrier in animals. 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: unpleasant vapours, 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 conscious. 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 informations 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.

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Poison Centre 1-800-463-5060