

MF PAINTS INC.

MATERIAL SAFETY DATA SHEET

SECTION 1 GENERAL INFORMATION

Manufacturier: MF PAINTS inc.
1605 Dagenais ouest

Laval, Quebec, H7L 5A3

IN CASE OF EMERGENCY, CONTACT ANTI-POISON CENTER

TDG PIN: UN 1263
Class: 3

Packing group: III

SIMDUT: B3

Product name: **ISO-RUST**
Use: Paint

Product code: **4055**

SECTION 2 HAZARDOUS INGREDIENTS

Component:	%	CAS No.	LD 50 Species/ Route	LC 50 Species/ Route
Standard solvent	50-52	008052413	(Oral-rat) > 5000 mg/ kg (Skin-rabbit): >3000 mg/kg	(Inhalation- rat) > 5.50 mg/ L (4 hour)
Aluminium	13.5-14.0	7429-90-5	n/a	n/a

SECTION 3 PHYSICAL AND CHEMICAL PROPERTIES

Physical state at 20°C: Liquid
Colour: Aluminium
Solubility in water: Insoluble
Odour: Kerosene-like
Boiling point: 156.67°C
Vapour pressure (mm of Hg): 2.0
Freezing/ melting point: < -40.0
Density (G /ML): 0.9 - 1.0
Vapour density (air=1): 5.0
Volatile by weight (%): 55-57
Evaporation rate (n-butyl acetate=1): <1.0

SECTION 4 FIRE OR EXPLOSION RISK

Flammability: Yes, if moderately heated and exposed to any source of ignition. Powders or dusts may ignite in air. Moist dusts may ignite spontaneously.
Auto-ignition temperature: >210°C. May ignite on contact with strong oxidizing agents. Flash point: Closed cup:>37.8°C to 60°C Open cup: n/a
Combustion products: carbon oxides and aluminium oxide. Flammable limits: Lower: 0.8 Upper: 5.0
Extinguishing media: Dry sand, , dry chemicals. Never use water, foam, nitrogen, carbon dioxide or halon as extinguishing agents.
Special fire procedures: Wear a self-contained breathing apparatus and adequate protective clothing. Cool fire exposed containers with a water fog. Vapors form explosive mixture with air. Might explode when is in contact with strong oxidants.

SECTION 5 REACTIVITY

Stability: No, oxidizes in air. In dust form aluminium is pyrophoric.
Reactivity: In dust form, aluminium reacts with water to form aluminium hydroxide and hydrogen (a flammable and/or explosive gas); the reaction takes place slowly in cold water.
Incompatibility: Yes, with strong agents such as oxygen, liquid chlorine, halogens, hydrocarbons, nitrates, metal oxides. Emits hydrogen (a flammable and/or explosive gas) upon contact with strong acids or strong bases (sodium potassium hydroxide).
Decomposition products: Not available

SECTION 6 TOXICOLOGICAL PROPERTIES

TOXIC EFFECTS:

Inhalation: Vapour exposure: irritation of the eyes and upper respiratory tract. Inhalation: depression of the central nervous system (headaches, nausea, dizziness) Inhalation of dusts: may cause difficulty in breathing, coughing, weakness, pneumoconiosis and pulmonary fibrosis. (Aluminosis or Aal dust lung≅).
skin:

Ingestion: Loss of consciousness, death, pulmonary aspiration: pulmonary irritation (oedema, possible death)

Eyes: Vapour exposure: possible irritation.

CHRONIC EFFECTS: Defeating action (drying and cracking of the skin); inhalation: psycho-organic syndrome (fatigue, memory loss, increase in reaction time); severe intoxication: possibility of aplastic anemia;in animals. Inhalation: possibility of upper respiratory tract, lungs and kidneys damage.

TOXICOLOGICAL DATA:

Time-weighted average exposure value: (ppm) 100.00 (mg / m3): 525.00

Mutagenicity: Absence of effect suggested by one study.

Reproduction system effects: No data concerning excretion or detection in milk.

Cancerogenicity: No data

Teratogenicity: Absence of effect suggested by one study

Other effect:

SECTION 7 PREVENTION

Gloves: Neoprene gloves

Equipment and clothing: Appropriate protective clothing.

Ventilation: Keep ventilated to keep the concentration of vapours lower to the limits.

Leaks or accidents: Eliminate all sources of ignition. Ventilate. Absorb with paper, sand or sawdust. Place in a tightly sealed container. Pick up solids and place in a tightly sealed container.

Waste disposal: Recycle if possible. Refer to the regional office of the environmental ministry.

Handling and storage: Store away form humidity, in a dry and well ventilated area, far from extreme heat and strong fuel. Do not eat, drink or smoke while handling or using.

Handle away from incompatible materials. Avoid operations forming dust clouds when handling.

Foot wear:

Eyes protection : Splash-proof safety goggles

Breathing protection: Anti-vapours respirator

SECTION 8 FIRST AID

Breathing: If discomfort by vapours or dusts, move to a ventilated area. If breathing has stopped, administer artificial respiration. Call a physician.

Skin contact: Remove contaminated clothes promptly by protecting your Rinse skin with soap and water.

Eyes contact: Slush eyes with abundant water.

Ingestion: In case of ingestion, do not induce vomiting. 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.

Manager: Richard St-Onge

Preparation date: January 2013

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