

**IMCO TECHNOLOGIES INC.
MATERIAL SAFETY DATA SHEET
FOR COATINGS, RESINS AND RELATED MATERIALS**

Section I - Product Information

Manufacturers Name: IMCO Technologies Inc. **Emergency Telephone #:** Canutec 1-613-996-6666 (collect)
Street Address: 350 Wentworth St. North **Province:** Ontario
City: Hamilton **WHMIS:**
Postal Code: L8L 5W3 **Product Class:** Unsaturated polyester resin.
Trade Name: Jetset 700 Series Part A **Product Use:** Protective coating. (Component A)

Section II - Hazardous Ingredients

INGREDIENT	CONCENTRATION	TLV	VAPOUR PRESSURE	CAS NO.
Styrene	43	50ppm	4.9 mm Hg	100-42-5

Section III - Physical Data

Boiling Range: 145°C **Vapour Density:** **Heavier:** X
Percent Volatile By Volume: 35 **Evaporation Rate:** **Lighter than Air:**
Physical State: Liquid. **Weight Per Gallon:** 10.14 lb/gal **Faster:**
Slower than Ether: X

Section IV - Fire and Explosion Hazard Data

Flammability Classification OSHA: 1C **Flash Point:** 32°C
DOT: Flammable Liquid

Extinguishing Media
Foam: **Alcoholic Foam:** **CO2:** X **Dry Chemical:** X **Water Fog:** **Other:**

Unusual Fire and Explosion Hazards: The vapours can travel along the ground and accumulate in low areas. Keep the material away from sparks, fires and heat. Keep containers closed.

Special Firefighting Procedures: Self-contained breathing apparatus with a full face piece operated in pressure demand or other positive pressure mode.

Section V - Toxicological Properties

Effects of Overexposure:
EYES: Irritation, injury.
SKIN: Irritation with probable swelling.
INHALATION: Irritation of the respiratory tract. Very high concentrations can have anesthetic effect, resulting in temporary dullness of perception and sensitiveness.
INGESTION: Do not induce vomiting. Consult a physician.

Section VI - First Aid

Emergency and First Aid Procedures: **EYES:** Rinse the eyes with a gentle stream of water for at least 15 minutes until the pain subsides. See a doctor. **SKIN:** Wash the skin with soap and water. **INHALATION:** Provide fresh air. Administer oxygen if necessary and if qualified. Immediately consult a physician. **INGESTION:** Do not induce vomiting. Consult a physician.

Section VII - Reactivity Data

Stability	Unstable: X	Stable:
Conditions to Avoid: Heat, sunlight, prolonged storage.		
Incompatibility (materials to avoid): Radical initiators and catalysts, peroxides, strong oxidizers.		
Hazardous Decomposition Products:		
Hazardous Polymerization	May Occur: X	Will Not Occur:

Section VIII - Preventative Measures

Respiratory Protection: Above the TLV, use an 'organic vapour' type respirator. Use an air-supplied mask for concentrations above 2% or unknown levels.

Ventilation: Use and adequate ventilation to contain vapours below the TLV.

Protective Gloves: Plastic or rubber gloves.

Eye Protection: Chemical splash goggles or safety glasses with side shields.

Other Protective Equipment: Safety showers and eye wash stations should be available.

Steps to be taken in case material is released or spilled: Dike the spill to prevent the contamination of public water sources and sewers. Collect the liquid or absorb it by vermiculite, sand or earth and collect the soaked absorbent. Wash the area with aqueous solution of trisodium phosphate. Eliminate all sources of ignition immediately./

Waste disposal method: Consult your local authorities. Technically, both incineration and burying of the material are feasible.

Section IX - Additional Information

Precautions to be taken in handling and storing:

Other Precautions: Overexposure to styrene has apparently been found to cause the following effects in laboratory animals: liver abnormalities, kidney damage and lung damage.

Toxicity Data:	Inhalation:	Human LCLo: 10,000 ppm/30 min.	Rat LCLo: 5000ppm/8 hr.
		Human TCLo: 400 ppm - 600 ppm	Guinea Pig LCLo: 14/cubic m/14 m/14 h
	Ingestion:	Rat LD50: 5000 mg/kg	Mouse TDLo: 164 g/kg
		Mouse LD50: 316 mg/kg	

Section X

Prepared by: IMCO TECHNOLOGIES INC.

Date: January 2003

Telephone: (905) 546-5225

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Section I - Product Information

Manufacturers Name: Imco Technologies Inc.
Street Address: 350 Wentworth St. North
City: Hamilton
Postal Code: L8L 5W3
Trade Name: Jetset 700 Series Part B

Emergency Telephone #: Canutec 1-613-996-6666 (collect)
Province: Ontario
Product Class: Methyl Ethyl Ketone Peroxide
Product Use: Catalyst for Jetset Part A

Section II - Hazardous Ingredients

INGREDIENT	CONCENTRATION	TLV	VAPOUR PRESSURE	CAS NO.
Methyl Ethyl Ketone Peroxide	30 - 35	0.2 ppm	N/A	1338-23-4
Hydrogen Peroxide	0 - 5	1	N/A	7722-84-1
Dimethyl Phthalate	55 - 60	5	N/A	131-11-3

Section III - Physical Data

Boiling Range: Decomposes >68°C(155°F)
Lighter than Air: N/A
Percent Volatile By Volume: <3%
Slower than Ether: N/A
Weight Per Gallon: 8.8 lb/gal
Physical State: Liquid

Vapour Density: Heavier N/A
Evaporation Rate: Faster:

Section IV - Fire and Explosion Hazard Data

Flammability Classification OSHA: **Flash Point:** 93°C
DOT: Peroxides, Organic solution
Extinguishing Media
Foam: X **Alcoholic Foam:** **CO2:** X **Dry Chemical:** X **Water Fog:** X **Other:**
Unusual Fire and Explosion Hazards: Potential explosion hazard. Once ignited, product will burn vigorously.
SPECIAL FIREFIGHTING PROCEDURES: Fight fire with large amounts of water from a safe distance. Keep containers cool with water spray. After fire, wait until cools to room temperature before attempting clean-up.

Section V - Toxicological Properties

Effects of Overexposure:
EYES: Irritation; blindness;
SKIN: Severe Irritation
INHALATION: Irritation of the respiratory tract.
INGESTION: Harmful or fatal if swallowed.
ORAL (rats): LD50 >500<5000 mg/kg
INHALATION (rats): not toxic at 200 mg/l
SKIN (rabbit): moderate irritant

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Manufacturers Name: Imco Technologies Inc.
Street Address: 350 Wentworth St. North
City: Hamilton
Postal Code: L8L 5W3
Trade Name: Jetset 700 Series Part C

Emergency Telephone #: Canutec 1-613-996-6666(collect)
Province: Ontario
Product Class: Crystalline Silica (Quartz)
Product Use: Filler for Jetset Part A

Section II - Hazardous Ingredients

INGREDIENT	CONCENTRATION	TLV	VAPOUR PRESSURE	CAS NO.
silica {SiO ₂ }	99%+	0.1 mg/cubic	N/A	14808-60-7

Section III - Physical Data

Boiling Range: N/A
Lighter than Air:
Percent Volatile By Volume: N/A
Slower than Ether:
Weight Per Gallon: N/A
Physical State: Dry Sand

Vapour Density
Evaporation Rate

Heavier: N/A
Faster: N/A

Section VI - Fire and Explosion Hazard Data

Flammability Classification OSHA:
Extinguishing Media
Foam: **Alcoholic Foam:** **CO₂:** **Dry Chemical:** **Water Fog:** **Other:**

Flash Point:
Unusual Fire and Explosion Hazards: Material is non-flammable.

Section V

Effects of Overexposure: **EYES:** No effect other than dust discomfort
SKIN: No effect.
SKIN ABSORPTION: No effect. **INHALATION:** No immediate effects to overexposure.
Silicosis may develop after prolonged exposure. **INGESTION:** No effect.

Section VI - First Aid

Emergency and First Aid Procedures:
EYES: Water wash will remove particles.
SKIN: No effect.
INHALATION: Remove from contaminated (dusty) area.
INGESTION: No effect.
