

**MATERIAL SAFETY DATA SHEET****SECTION I : MANUFACTURER IDENTIFICATION**

Manufacturer's Name	OMI Coatings
Address	102F Pasir Panjang Road #01-01 Citilink Warehouse Complex Singapore 118530
Contact No.	+65 6777 6001
Date Prepared	10 April 2022
Revision No.	04

**SECTION II : HAZARDOUS INGREDIENTS / IDENTITY INFORMATION**

	CAS NO.	% By Weight	OSHA (ppm)
Epoxy Resin	-	< 50%	Not Established
Methyl Isobutyl Ketone	108-10-1	< 10%	50
Xylene	1330-20-7	< 10%	100
N-Butanol	71-36-3	< 10%	50

**SECTION III : PHYSICAL AND CHEMICAL PROPERTIES**

Specific Gravity @ 28°C	1.55 – 0.02
Viscosity @ 28°C	75 +/-2 KU
Boiling Point / Range	114 – 137°C
Solubility in Water	Insoluble
Flash point	26°C
Ignition temperature	365°C

**SECTION IV : FIRE & EXPLOSION HAZARD DATA**

Extinguishing Media	CO <sub>2</sub> , foam and dry powder. In cases of larger fires, water spray should be used.
Fire and Explosion Hazards	The use of a self-contained breathing apparatus is recommended for fire fighters. Water spray may be useful in minimizing vapours and cooling containers exposed to heat and flame. Avoid spreading burning liquid with water used for cooling purposes.
Fire Fighting Procedures	The use of a self-contained breathing apparatus is recommended for fire fighters. Water spray may be useful in minimizing vapours and cooling containers exposed to heat and flame. Avoid spreading burning liquid with water used for cooling purposes.



**MATERIAL SAFETY DATA SHEET****SECTION V : REACTIVITY DATA**

Hazardous Decomposition Products	No hazardous decomposition products when stored and handled correctly.
Hazardous Reactions	Exothermic reaction with amines and alcohols; reacts slowly with water forming CO <sub>2</sub> , in closed containers risk of bursting owing to increase of pressure.

**SECTION VI : HEALTH HAZARD DATA**

Inhalation Health Risks and Symptoms of Exposure	<p>Inhalation of excessive concentrations of vapours or mists may cause fatigue, convulsions, unconsciousness, headache, dizziness, nausea, drowsiness and irritation to the nose and mucous membranes.</p> <p><b>First Aid:</b> Remove to fresh air. Restore breathing. Get medical attention. Call a physician.</p>
Skin Contact Health Risks and Symptoms of Exposure	<p>May cause irritation. Prolonged or repeated contact may cause sensitization, scaling and dermatitis.</p> <p><b>First Aid:</b> Remove contaminated clothing. Wash affected areas thoroughly with soap and water. Consult a physician if irritation persists. Wash contaminated clothing and decontaminate footwear before reuse.</p>
Eye Contact Health Risks and Symptoms of Exposure	<p>This product is a severe eye irritant. Direct contact with the liquid or exposure to its vapours or mists may cause burning, tearing, redness, inflammation and swelling.</p> <p><b>First Aid:</b> Flush immediately with large amounts of water for at least 15 minutes. Get medical treatment.</p>
Ingestion Health Risks and Symptoms of Exposure	<p>May causes nausea, headaches, gastrointestinal disturbances and dizziness. May cause droplets to enter the lungs with the risk of getting pneumonia.</p> <p><b>First Aid:</b> Rinse mouth with water. Drink 1 to 2 glasses of water to dilute. Do not induce vomiting. Never give anything by mouth to an unconscious or convulsing person. Consult physician or poison control center immediately. Treat symptomatically.</p>





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## SECTION VII : TOXICOLOGICAL INFORMATION

N-Butanol	PEL (Short term): 50 ppm
Xylene	PEL (long term): 100 ppm PEL (short term): 150 ppm
Methyl Isobutyl Ketone	<p>Ingestion: It was reported an oral LD<sub>50</sub> of 2.08g/ kg for rats when MIBK was administered as a 20% emulsion in Tegretol 7 surfactant.</p> <p>Skin contact: A single application of MIBK to the skin of rabbits produced only transient erythema, but daily applications of 10ml for 7 days caused drying and flaking of the skin.</p> <p>Eye contact: Undiluted MIBK (0.1 ml) produced some irritation within 10 minutes when instilled in the rabbit eyes. Inflammation and swelling occurred in 8 hours and inflammation, swelling and exudates were present in 24 hours.</p> <p>Inhalation: Exposure to 19,500 ppm of MIBK produced anaesthesia in 7 of 10 mice within 30 minutes. When the animals were removed to fresh air, four recovered immediately and three were awake within 5 minutes.</p> <p>Mutagenicity: Tests have shown that MIBK is non-mutagenic.</p> <p>Carcinogenicity: From available evidence, MIBK is not regarded as a carcinogen substance.</p>
Butyl Acetate	<p>Acute toxicity: LD50 oral, rat: 10700 to 14130 mg/kg</p> <p>Skin irritation: not skin sensitizer</p> <p>Eye irritation: moderately irritating to rabbit eyes</p>
Methyl Ethyl Ketone	<p>Acute toxicity: LD50 oral: &gt; 2000 mg/kg</p> <p>Eye irritation: irritant</p> <p>Skin irritation: slight irritant, not a skin sensitizer</p>

## SECTION VIII : TRANSPORT INFORMATION

UN Number / Class	UN1263 / Class 3
Packing Group	PG III
HS Code	320890



**MATERIAL SAFETY DATA SHEET****SECTION IX : SPILL OR LEAK PROCEDURES****In Case of Spill or Leak**

Remove all sources of ignition (flames, hot surfaces and electrical static, or frictional sparks). Avoid breathing in vapour, ventilate area. Remove with inert absorbent and non-sparking tools.

**Disposal Method:**

Whatever cannot be saved for recovery may be burned in an approved incinerator or disposed in an approved waste facility. Ensure compliance with local, state and federal regulations.

**SECTION X : SPILL OR LEAK PROCEDURES**

Wear suitable protective clothing, protective gloves (made of PVC or rubber) and protective goggles/mask. Respiratory protection required in insufficiently ventilated working areas and during spraying. An air-fed mask, or for short periods of work, a combination of charcoal filter and particulate filter is recommended.

In case of hypersensitivity of the respiratory tract (e.g. asthmatics and those who suffer from chronic bronchitis), it is inadvisable to work with the product.

Keep away from foodstuffs, drinks and tobacco. Wash hands before breaks and at end of work. Keep working clothes separate. Take off immediately all contaminated clothing.

**SECTION XI : SPECIAL PRECAUTIONS****Handling and Storage**

Keep container dry and tightly closed in a cool and well-ventilated place.

Avoid exposure to temperature above 50°C.

Ensure adequate ventilation or exhaust ventilation in the working area.

Exhaust ventilation necessary if product is sprayed.

Avoid contact with skin and eyes.

Provide adequate ventilation and if necessary, air extraction in working areas. Explosion protection required.

*The data given here is based on current knowledge and experience. The purpose of this Safety Data Sheet is to describe the products in terms of their safety requirements. The data does not signify any warranty with regard to the products' properties.*

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