

MATERIAL SAFETY DATA SHEET  
 (ANSI Compilation)  
 Date of Preparation: 03/29/2011

• Section 1 -- Chemical Product and Manufacturer's Identification

Product ID: CVM 5000  
 Product Name: CVM 5000  
 Date of Preparation: 03/29/2011  
 Manufacturer: Omega Coatings Ltd  
 Address: 711 Derwent Way, Annacis Business Park  
 New Westminister Park, BC V3M 5P9  
 Emergency Telephone: (613)996-6666  
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 Information Telephone: (604)524-9441

• Section 2 -- Composition, Information on Ingredients

CAS Number	Chemical Name	% Wt
*000067-63-0	ISOPROPYL ALCOHOL	11%
ACGIH TWA (ppm): 400	ACGIH TWA (mg/m3): 983	
ACGIH STEL (ppm): 500	ACGIH STEL (mg/m3): 1230	
Canada TWA (ppm): 400	Canada TWA (mg/m3): 983	
Canada STEL (ppm): 500	Canada STEL (mg/m3): 1228	
LC50 (rat): 17000 ppm (4-hour exposure); cited as 12000 ppm (8-hour exposure)	(18)	
LD50 (oral, male rat): 4710 mg/kg (cited as 6.0 mL/kg)	(19)	
LD50 (oral, mouse): 3600 mg/kg (20, unconfirmed)		
LD50 (dermal, rabbit): 12870 mg/kg (cited as 16.4 mL/kg)	(14)	
000078-83-1	ISOBUTYL ALCOHOL	6%
ACGIH TWA (ppm): 50	ACGIH TWA (mg/m3): 152	
Canada TWA (ppm): 50	Canada TWA (mg/m3): 152	
Canada STEL (ppm): 75	Canada STEL (mg/m3): 227	
LD50 (oral, rat): 2460 mg/kg.(7)		
LD50 (oral, rabbit): 3000 mg/kg (reported as 41 mmol/kg)	(8)	
LD50 (dermal, rabbit): 3400 mg/kg (reported as 4.24 mL/kg)	(7)	
*000095-47-6	O-XYLENE	1%
ACGIH TWA (ppm): 100	ACGIH TWA (mg/m3): 434	
ACGIH STEL (ppm): 150	ACGIH STEL (mg/m3): 651	
Canada TWA (ppm): 100	Canada TWA (mg/m3): 434	
Canada STEL (ppm): 150	Canada STEL (mg/m3): 652	
LC50 (rat): 5300 ppm (4-hour exposure); cited as 4330 ppm (6-hour exposure)	(3)	
LC50 (mouse): 5630 ppm (4-hour exposure); cited as 4595 ppm (6-hour exposure)	(3,4)	
LD50 (oral, rat): 3608 mg/kg (3,16)		
LD50 (dermal, rabbit): 20000 mg/kg (3)		
*000106-42-3	P-XYLENE	1%
ACGIH TWA (ppm): 100	ACGIH TWA (mg/m3): 434	
ACGIH STEL (ppm): 150	ACGIH STEL (mg/m3): 651	
Canada TWA (ppm): 100	Canada TWA (mg/m3): 434	
Canada STEL (ppm): 150	Canada STEL (mg/m3): 652	
LC50 (rat): 4740 ppm (4-hour exposure)	(3)	
LC50 (mouse): 4800 ppm (4-hour exposure); cited as 3900 ppm (6-hour exposure)	(1,4,6)	
LD50 (oral, rat): 4030 mg/kg (3); 4550 mg/kg (10)		
*000108-38-3	M-XYLENE	2%
ACGIH TWA (ppm): 100	ACGIH TWA (mg/m3): 434	
ACGIH STEL (ppm): 150	ACGIH STEL (mg/m3): 651	
Canada TWA (ppm): 100	Canada TWA (mg/m3): 434	



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- ý This substance is toxic to blood, lungs, liver, the nervous system, kidneys.
- ý Repeated exposure to an highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.

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• Section 4 -- First Aid Measures

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- Eye Contact -

- ý EYES: Check for and remove any contact lenses. DO NOT use an eye ointment. Seek medical attention.

- Inhalation -

- ý Allow the victim to rest in a well ventilated area. Seek immediate medical attention.
- ý If the victim is not breathing, perform mouth-to-mouth resuscitation. WARNING: It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled material is toxic, infectious or corrosive.
- ý If breathing is difficult, administer oxygen.

- Skin Contact -

- ý In case of contact, immediately flush skin with plenty of water for at least 20 minutes while removing contaminated clothing and shoes. Cover the irritated skin with emollient. Wash clothing before reuse. Thoroughly clean shoes before reuse.
- ý CHRONIC: If irritation persists, seek medical attention. Wash contaminated clothing before reusing.
- ý Wash contaminated skin with soap and water. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.
- ý Be particularly careful to clean folds, crevices, creases and groin. Cover the irritated skin with an emollient.

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• Section 5 -- Fire and Explosion Hazards

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Flash Point: <100 °F (38 °C)

Lower Explosive Limit: 3.3

Upper Explosive Limit: 19.0

Auto Ignition Temp: 549 °F (287 °C)

Flammability Class: (4) Flashpoint below 73 °F

Extinguishing Media: Carbon Dioxide; Dry Chemical; Foam; Water/Fog;

- Fire Fighting Instructions -

- ý Slightly explosive to explosive in presence of shocks.
- ý Flammable in presence of open flames and sparks, of oxidizing materials.
- ý Never direct a water jet in the container in order to prevent any splashing of the product which could cause spreading of the fire. -

Extinguishing Media -

- ý LARGE FIRE: Use water spray or fog. Cool containing vessels with water jet in order to prevent pressure build-up, autoignition or explosion.

- Hazardous Combustion Products -

- ý HAZARDOUS COMBUSTION PRODUCTS: These products are carbon oxides (CO, CO2).

- Extinguishing Media -

- ý Flammable liquid, insoluble in water.
- ý SMALL FIRE: Use dry chemicals powder.

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• Section 6 -- Accidental Release

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- Small Spills -

- ý Absorb with an inert material and put the spilled material in an appropriate waste disposal.

- Large Spills -

- ý Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material.
- ý DO NOT get water inside container. DO NOT touch spilled material.

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Prevent entry into sewers, basements or confined areas; dike if needed.

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• Section 7 -- Handling and Storage

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- Handling -

- ý Use explosion-proof electrical (ventilating, lighting and material handling) equipment.
- ý To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material.

- Storage -

- ý Keep container tightly closed. Keep in a cool, well-ventilated place. Ground all equipment containing material.
- ý A refrigerated room would be preferable for materials with a flash point lower than 37.8°C (100°F).
- ý Keep container tightly closed and sealed until ready for use.
- ý Keep away from heat. Keep away from sources of ignition.
- ý Keep in a cool, well-ventilated place.
- ý Highly toxic or infectious materials should be stored in a separate locked safety storage cabinet or room.

- General Precautions -

- ý Poisonous flammable liquid, insoluble or very slightly soluble in water.

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• Section 8 -- Exposure Controls, Personal Protection

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\*See Section 2 for chemical specific exposure limits

- Engineering Controls -

- ý Ensure that eyewash stations and safety showers are proximal to the work-station location.
- ý Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.
- ý SPECIAL INFORMATION:- Please note that this material will emit formaldehyde (CAS 50-00-0) during curing. Appropriate precautions should be taken to ensure that the levels of formaldehyde, along with all other components, are maintained below the TLVs.

- Other Protective Equipment -

- ý PERSONAL PROTECTIVE EQUIPMENT: Splash goggles. Lab coat. Vapor respirator. Be sure to use a approved/certified respirator or equivalent. Gloves.

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• Section 9 -- Physical and Chemical Properties

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Product Density: .....	7.68 lbs/gallon
Specific Gravity(g/cc3, H2O=1): .....	0.92
pH: .....	neutral
Boiling Point: .....	173.3 F
Melting Point: .....	-54.4 F
Freezing Point: .....	
Vapor Density(Air=1): .....	5.03
Vapor Pressure(mm Hg.): .....	43 mm Hg
Evaporation Rate(Butyl Acetate=1): .....	
Water Solubility: .....	insoluble
Coefficient of H2O/Oil Distribution: .....	more soluble in oil
VOC (Reportable VOCs less water & exempt): ..	5.14 lbs/gallon
Odor Threshold: .....	22 ppm
Appearance/Odor: .....	not available

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• Section 10 -- Stability and Reactivity

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STABILITY: Stable

HAZARDOUS POLYMERIZATION: will not occur

- Stability -

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ý The product is stable.

- Materials To Avoid -

- ý INCOMPATIBILITY: Highly reactive with oxidizing agents.
- ý Slightly reactive to reactive with metals, acids, alkalis.
- ý Hygroscopic; keep container tightly closed. Incompatible with chloroformates. (1,2-Propanediol).

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• Section 11 -- Toxicological Information

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ý No Additional Information Available

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• Section 12 -- Ecological Information

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ý No Additional Information Available

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• Section 13 -- Disposal Consideration

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- Waste Disposal Method -

- ý Eliminate all sources of ignition. Call for assistance on disposal.
- ý Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

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• Section 14 -- Transport Information

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ý No Additional Information Available

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• Section 15 -- Regulatory Information

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- SARA 313 Information -

The following chemicals are subject to the reporting requirements of Section 313 of SARA Title III and 40 CFR Part 372:

CAS Number	Chemical Name	% Wt	-----
000050-00-0	FORMALDEHYDE		<1%
000067-63-0	ISOPROPYL ALCOHOL		11%
000071-36-3	N-BUTYL ALCOHOL	<1%	
000095-47-6	O-XYLENE	1%	
000100-41-4	ETHYLBENZENE	<1%	
000106-42-3	P-XYLENE	1%	
000108-38-3	M-XYLENE	2%	
000108-88-3	TOLUENE	4%	
001330-20-7	XYLENE	<1%	

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- Federal HAPS -

The following chemicals are listed as Federal Hazardous Air Pollutants:

CAS Number	Chemical Name	% Wt	-----
000050-00-0	FORMALDEHYDE	<1%	
000095-47-6	O-XYLENE	1%	
000100-41-4	ETHYLBENZENE	<1%	
000106-42-3	P-XYLENE	1%	
000108-38-3	M-XYLENE	2%	
000108-88-3	TOLUENE	4%	
001330-20-7	XYLENE	<1%	

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- General -

ý WHMIS: This MSDS has been prepared in compliance with the CPR. This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by CPR.

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- WHMIS Classification -

- ý B2 - Flammable and Combustible Material-Flammable Liquid
- ý B3 - Flammable and Combustible Material-Combustible Liquid
- ý D1B - Poisonous and Infectious Material-Materials causing immediate and serious toxic effects-Toxic material
- ý D2A - Poisonous and Infectious Material-Materials causing other toxic effects-Very toxic material

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ý D2B - Poisonous and Infectious Material-Materials causing other toxic effects-Toxic material

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• Section 16 -- Other Information

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HMIS Codes

Health:

Flammability:

Reactivity:

Protection:

ý No Additional Information Available

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**DISCLAIMER**

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