Omethane Polyurethane 343 – Part B

SECTION 1- IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name:	Omethane Polyurethane 343 – Part B
Manufacturing Product Code:	Z48343
Recommended Uses:	For industrial use
Supplier:	Omega International Coatings P/L
Street Address	111, Kurrajong Ave, Mount Druitt, NSW, 2770
Telephone Number:	(02) 9832 0000
Fax:	(02) 9677 0566
Emergency phone:	**Poison Information Center**: 13 11 26

SECTION 2- HAZARDS IDENTIFICATION

Health Hazard Classification
This product is classified as hazardous under SafeWork Australia criteria.

Hazard Category
F: Flammable; Xn: Harmful; Xi: Irritant; T: Toxic

Risk Phrases
R10: Flammable
R43: May cause sensitization by skin contact.
R66: Repeated exposure may cause skin dryness or cracking.
R67: Vapors may cause drowsiness and dizziness.

Safety Phrases
S2: Keep out of the reach of children.
S25: Avoid contact with eyes.

SECTION 3- COMPOSITION/ INFORMATION ON INGREDIENTS

Chemical Entity	CAS No.	Proportion (%w/w)
Aliphatic Polyisocyanate	N/A	>60%
n-Butyl Acetate	123-86-4	10-30 %
Zinc Octoate	136-53-8	<1 %
Ingredients determined to be non-hazardous Or below the hazardous threshold		TO 100%

SECTION4- FIRST AID MEASURES

Ingestion
If swallowed, do not induce vomiting. Give 250 ml water to rinse out mouth and drink. Seek immediate medical attention.

Eye contact
In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Use lukewarm water if possible. Use fingers to ensure that eyelids are separated and that the eye is being irrigated. Then remove contact lenses, if easily removable, and continue eye irrigation for not less than 15 minutes. Seeking medical attention.

Skin contact
Immediately remove contaminated clothing and shoes. Flush thoroughly with soap and water. Use lukewarm water if possible. Seek medical attention in event of persisting skin irritations.

Inhalation
Remove victim from exposure to fresh air. Keep at rest and seek medical attention immediately. If breathing is difficult, administer oxygen or artificial respiration. Seek immediate medical attention.

First aid facilities
Provide eye baths and safety showers.

Medical attention
Treat symptomatically.

SECTION 5- FIRE FIGHTING MEASURES

Suitable extinguishing equipment
Dry chemical, carbon dioxide, foam, water spray for large fires.

Hazards arising from combustion of product
Oxides of Carbon, isocyanate vapors and other irritating highly toxic gases.

Special protective equipment and precautions for fire fighters
Wear breathing apparatus when fighting fire.

Hazchem Code: 3[Y]E

SECTION 6- ACCIDENTAL RELEASE MEASURES

Spill and leak procedures
Evacuate non-emergency personnel. Isolated the area and prevent access. Remove ignition sources. Notify management. Put protective equipment. Control source of the leak. Ventilate. Contain the spill to prevent spread into drains, sewers, water supplies, or soil. To minimize vapor, cover the spillage with firefighting foam. Released material may be pumped into closed, but not sealed, metal container for disposal.

Minor spills
Cover spill area with suitable absorbent material. Saturate absorbent material with neutralization solution and mix. Wait 15 minutes. Collect material in open-head metal containers. Repeat application of decontamination solution with scrubbing, followed by absorbent until the surface is decontaminated. Check for residual surface contamination. Apply lid loosely and allow containers to vent for 72 hours to let carbon dioxide escape.

SECTION 7- HANDLING AND STORAGE

Precaution for safe handling
This product is flammable. Avoid sources of heat, naked flames and sparks. Avoid contact with skin, eyes, and clothing. Use in well-ventilated area. Do not breathe vapors, mists, or dusts. Use flame proof equipment. No smoking. Earth all containers to reduce the possibility of sparks from static electricity.

Conditions for safe storage
Store in a cool, well-ventilated area and place away from heat, sunlight, naked flames and sparks. Store in tightly closed containers to prevent moisture contamination. Do not reseal if contamination is suspected. Keep container closed at all times. Keep away from food, and drink and clothing.

SECTION 8- EXPOSURE CONTROLS/PERSONAL PROTECTION

Chemical Entity	Cas No	Weight%	TWA[1] (ppm)	STEL[2] (ppm)
Aliphatic Polyisocyanate	N/A	>60 %	N/A	N/A
n-Butyl Acetate	123-86-4	10-30 %	150	200

[1] Time weighted average concentration
[2] Short-term exposure limit

Engineering controls
General mechanical ventilation or local exhaust should be suitable to keep vapour concentrations below TWA. Ventilation equipment should be explosion proof.

Personal protective equipment
Wear chemical safety glasses/goggles or face shield. Wear half face respirator, with organic vapor cartridge. Wear PVC or Nitrile chemical handling gloves.

SECTION9- PHYSICAL AND CHEMICAL PROPERTIES

Property	Unit of measurement	Typical value
Appearance	-	Clear to yellow liquid
Odour	-	Solvent Odour
Vapor Pressue @ 25°C	kPa	$9.3*10^{-6}$
Flash Point	°C	35
Density @ 25°C	g/ml	1.06
Flammability Limits	%(v/v)	N/A
Volatile content	%(w/w)	<40

SECTION 10- STABILITY AND REACTIVITY

Chemical stability
Stable at room temperature and pressure.

Conditions to avoid
Source of heat and ignition, open flames and sparks

Incompatible materials
Water, amines, strong bases, alcohols, copper alloys

Hazardous decomposition products
Carbon oxides, oxides of nitrogen, and other organic complexes on incomplete burning or oxidation.

Hazardous reactions
Oxidizing agents, mineral acids, halogenated organic compounds and peroxides.

SECTION 11- TOXICOLOGICAL INFORMATION

Acute effects
Ingestion
Slightly toxic. Main hazard of ingestion is aspiration of swallowed liquid into lungs, causing chemical pneumonitis.

Eye Contact
Irritating, causing redness and burning sensation.

Skin Contact
Irritating, causing redness and burning sensation.

Inhalation
Harmful by inhalation. The vapour is irritating to the upper respiratory tract. Cause nausea, dizziness and narcosis. Extreme exposure will result in unconsciousness, and possibly death.

Chronic effects
Prolonged and repeated contact with the skin may irritate, and cause dermatitis. Prolonged overexposure to the solvents (inhalation and skin contact) may cause effects to the central nervous system, liver, urinary, blood forming, cardiovascular and reproductive systems.

Toxicology information
No LD data available for this product.

SECTION 12- ECOLOGICAL INFORMATION

Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.

SECTION 13- DISPOSAL CONSIDERATIONS

Refer to Waste Management Authority. Dispose of material through a licensed waste contractor. Advise flammable nature. Product is normally suitable for incineration by an approved agent.

SECTION 14- TRANSPORT INFORMATION

For local transportation within New Zealand refer NZS 5433:1999: For Australia refers ADG code.

UN No.	1263
Proper Shipping Name	Paint
DG Class	3
Subsidiary Risk	Not Applicable
Packing Group	III
Hazchem Code	3[Y] E

SECTION 15-REGULATORY INFORMATION

HMIS Code: 230H

SECTION 16- OTHER INFORMATION

Contact Person/Point Apco Coatings
Technical Manager
Ph 02 98 32 0000 Mob 0422237710

Other Information Principal toxic properties of this product are due to the solvent composition and vapour inhalation hazards.
Abbreviations: N/A - Not Applicable N/AV - Not Available

Abbreviations:
ADG: Australian Code for the Transport of Dangerous Goods by Road and Rail
CAS Number: Chemical Abstracts Number