FORTIS COAT 527 – PART B

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name	Fortis Coat 527 – Part B
Product Code	-
Other Names	-
Product Use	Two pack polyurethane coating for use in food processing, baking, beverage, dairy and meat industries.
Supplier Name	Fortis Adhesives and Coatings
Address	177-179 Ordish Road Dandenong South VIC 3175
Telephone Number	03 9706 5448
Emergency Telephone	0425 883 566

2. HAZARDS IDENTIFICATION

HAZARDOUS SUBSTANCE. DANGEROUS GOODS.
Classified as hazardous according to the criteria of Safe Work Australia.

Hazards	F – Flammable Xn - Harmful
Risk Phrases	R10 - Flammable R66 - Repeated exposure may cause skin dryness or cracking. R67 - Vapours may cause drowsiness and dizziness.
Safety Phrases	S2 - Keep out of reach of children. S23 - Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer). S24/25 - Avoid contact with skin and eyes. S28 - After contact with skin, wash immediately with plenty of soap and water. S38 - In case of insufficient ventilation, wear suitable respiratory equipment.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient (common name)	CAS Number	Proportion
Polyacrylate containing hydroxyl groups	-	30-60%
n-butyl acetate	123-86-4	10-30%
1-methoxy-2-propyl acetate	108-65-6	10-30%
Xylene	1330-20-7	<5%

4. FIRST AID MEASURES

Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek immediate medical attention.

Ingestion	If swallowed do not induce vomiting. Never give anything by mouth to an unconscious person. Seek immediate medical attention. Begin artificial respiration if breathing has stopped. Use mouth to nose rather than mouth to mouth.
Skin	If skin or hair contact occurs, immediately remove contaminated clothing and wash skin and hair thoroughly with soap and plenty of water. Seek medical attention if symptoms occur.
Eyes	If in eyes, hold eyelids apart and flush the eyes continuously with running water. Continue flushing for several minutes until all contaminants are washed out completely. Seek medical attention.

5. FIRE FIGHTING MEASURES

	For major fires call the Fire Brigade. Ensure that an escape path is available from any fire.
Suitable Extinguishing Media	Foam, dry agent (carbon dioxide, dry chemical powder).
Hazardous Combustion Products	Toxic fumes.
Firefighting Equipment	Wear Safe Work Australia approved self-contained breathing apparatus and full protective clothing.
Unusual Fire or Explosion Hazards	Flammable liquid. May form flammable vapour mixtures with air. Vapour may travel a considerable distance to a source of ignition and flash back. Avoid all ignition sources. Heating can cause expansion or decomposition of the material, which can lead to the containers exploding. If safe to do so, remove containers from the path of fire. Keep containers cool with water spray.
Hazchem Code	3[Y]

6. ACCIDENTAL RELEASE MEASURES

Spills	In the event of a major spill, prevent spillage from entering drains or water courses. Wear full protective clothing including eye/face protection and impervious elbow-length gloves. Evacuate general area and deny access to unnecessary and unprotected personnel. Extinguish or remove all sources of ignition. Ventilate area of leak or spill. Stop leak if safe to do so and contain spill. Absorb with an inert material (vermiculite, dry sand, earth). Use non-sparking tools to collect the material and place into clearly labeled containers for subsequent disposal.

7. HANDLING AND STORAGE

Handling	Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Provide adequate ventilation. Handle and use the material in a well-ventilated area, away from sparks, flames and other ignition sources. Vapour may travel a considerable distance to a source of ignition and flash back.

Storage	Store in a cool, dry, well-ventilated area away from sources of ignition, heat, naked flames, sparks and oxidising agents, Keep containers tightly closed when not in use. Protected against physical damage. Inspect regularly for damage or leaks. Take precautionary measures against static discharges. Earth or bond all equipment. See Australian Standards AS1940 - The storage and handling of flammable and combustible liquids.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Standards Safe Work Australia)	**n-butyl acetate:** TWA: 150 ppm /713 mg/m^3 STEL: 200 ppm / 950 mg/m^3 **1-methoxy-2-propyl acetate:** TWA: 50 ppm /274 mg/m^3 STEL: 100 ppm / 548 mg/m^3 **Xylene:** TWA: 80 ppm /350 mg/m^3 STEL: 150 ppm / 655 mg/m^3
Engineering Controls	Local exhaust ventilation is recommended when vapours can be released in excess of established airborne exposure limits.
Respiratory Protection	If engineering controls are not effective in controlling airborne exposure then an approved respirator or organic vapour cartridge mask should be used. See Australian Standards AS/NZS 1715 and 1716 for more information.
Eye Protection	Safety glasses with top and side shields. See Australian Standards AS 1336 and AS/NZS 1337 for more information.
Skin Protection	Impervious gloves and suitable protective work wear. See Australian Standards AS 2161 and 2919 and AS/NZS 2210 for more information.
Hygienic Practices	Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear viscous liquid
Odour	No information available
Solubility in Water	Negligible
Boiling Point	127°C
Evaporation Rate (Air=1)	No information available
Vapour Pressure (kPa)	No information available
Vapour Density	No information available
Specific Gravity (g/cm^3)	No information available
Flash Point	30°C
Flammable Limit – Lower	1.2%
Flammable Limit – Upper	7.5%

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under normal conditions of storage and handling.
Incompatible Materials	Oxidizing agents.
Hazardous Decomposition Products	No information available.
Hazardous Polymerization	Will not occur
Conditions to Avoid	Heat, open flames or other sources of ignition.

11. TOXICOLOGICAL INFORMATION

Toxicity

n-butyl acetate:
Oral LD_{50} (rat) = 14000 mg/kg
Skin LD_{50} (rabbit) = 17600 mg/kg
Inhalation LC_{50}(rat) = 2000 ppm/4 hour
Intraperitoneal LD_{50} (mouse) = 1230 mg/kg
May be harmful if swallowed or inhaled. Irritant. Repeated skin contact may cause dermatitis. Inhalation may cause drowsiness.

1-methoxy-2-propyl acetate:
Skin LD_{50} (mouse) > 5000 mg/kg
May act as an eye irritant.

Xylene:
Oral LD_{50} (rat) = 4300 mg/kg
Subcutaneous LD_{50} (rat) = 1700 mg/kg
Harmful if swallowed or inhaled. Eye, skin and respiratory irritant.
May act as a narcotic.

Routes of Exposure
Inhalation, ingestion, eye and skin

Acute Health Effects

Inhalation:	Harmful by inhalation. Narcotic at high vapour concentrations.
Ingestion:	Aspiration into the lungs may cause chemical pneumonitis which can be fatal.
Eye:	Causes eye irritation.
Skin:	Contact with skin may result in irritation.

Chronic Health Effects
Repeated exposure may cause skin dryness or cracking.
Repeated or prolonged exposure to vapours could result in central nervous system disorders (solvent).

Existing Conditions Aggravated by Exposure
No information available.

Carcinogenicity
Xylene is classified as IARC Group 3 - Non-classifiable as to its carcinogenicity to humans.

12. ECOLOGICAL INFORMATION

Ecotoxicity	Avoid contaminating waterways.
Mobility	No information available.

13. DISPOSAL CONSIDERATIONS

Disposal methods and containers	Dispose according to applicable local and state government regulations.
Special precautions for landfill or incineration	Please consult your state Land Waste Management Authority for more information

14. TRANSPORT INFORMATION

Classified as a dangerous good according to the Australian Code for the Transport of Dangerous goods by road or rail.

UN Number	1263
Proper Shipping Name	PAINT
Dangerous Goods Class	3
Hazchem Code	3[Y]
Packing Group	III
Special Precautions	Not applicable

15. REGULATORY INFORMATION

n-butyl acetate, 1-methoxy-2-propyl acetate and xylene are listed in the Australian Inventory of Chemical Substances (AICS).

16. OTHER INFORMATION

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Prepared by	MSDS.COM.AU Pty Ltd www.msds.com.au

Abbreviations Used

IARC: International Agency for Research on Cancer
NTP: National Toxicology Program (U.S.)
OSHA: Occupational Safety and Health Administration (U.S.)
STEL: Short term exposure limit
TWA: Time weighted average

Emergency Contacts

Fortis Adhesives and Coatings	**03 9706 5448**
Fortis Adhesives and Coatings – Emergency Number	**0425 883 566**
Police and Fire Brigade	**000**
Poisons Information Centre	**13 11 26**

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Please read instructions / label before using product.

This MSDS is prepared in accord with the Safe Work Australia document “National Code of Practice for the Preparation of Material Safety Data Sheets” 2nd Edition [NOHSC:2011(2003)]