

SAFETY DATA SHEET

FBL-100 Fire and Thermal Barrier Latex

1. Identification

Product Name: FBL-100
Recommended Use: Fire/thermal barrier

Manufacturer:
Name: International Coatings Group
Address: 757 SE 17th Street, Suite 846 Fort Lauderdale FL 33316
Phone: +1 (317) 218-7922

Supplier:
Name: Tech Coatings
Address: PO Box 18028, Merrilands, New Plymouth 4360 New Zealand
Phone: +64 21 483 444
Email: technical@techcoatings.co.nz
Website: www.techcoatings.co.nz

Emergency Contacts:
Emergency Services (Fire, Ambulance, Police) – Dial 111
National Poisons Information Centre – **0800 764 766 (0800 POISON)**

2. Hazard Identification

Statement of Hazardous Nature:

This preparation is classified as a health or environmental hazard according to the Hazardous Substances (Minimum Degrees of Hazard) Notice 2017.

Not classified as a Dangerous Good according to NZS 5433

Hazard Classification: WARNING 6.3B

Hazard Statements: Causes mild skin irritation.

Prevention Statements: Read label before use. Read safety data sheet before use.

3. Composition & Information on Ingredient

Ingredient	CAS Number	Composition %
Ammonium Polyphosphate	68333-79-9	20-30
Water	7732-18-5	<20
2,4,6-Triamino-1,3,5-triazine	108-78-1	5-10
Pentaerythritol	115-77-5	5-10
Titanium Dioxide	13463-67-7	<10
Glass, oxide	65997-17-3	<10
Aluminium Trihydrate	21645-51-2	<5
Nonylphenoxypolyethoxyethanol	127087-87-0	<5
Coalescing Aid	N/A	<5

4. First Aid Measures

New Zealand Poisons & Hazardous Chemicals National Information Centre. **0800 POISON – 0800 764 766**

Skin: If on skin, wash with water. If skin irritation occurs, get medical advice/attention.

Eyes: If in eyes, rinse thoroughly with water. If eye irritation occurs, get medical advice/attention.

Ingestion: Do not induce vomiting. Get medical advice/attention if you feel unwell.

Inhalation: If inhaled, move to fresh air. Get medical advice/attention if you feel unwell.

Advice to Doctor: Treat symptomatically.

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5. Fire Fighting Measures

Flammability: Not flammable

Extinguishing media: Use appropriate for surrounding materials. Prevent contamination of drains or water ways.

Unsuitable extinguishing media: Use of water spray when fighting fire may be inefficient.

Hazardous Combustion products: No information available.

6. Accidental Release Measures

Spills: Absorb spill with sand or similar. Collect and place in labelled, sealable containers for disposal. Prevent spill from entering storm water and sewer drains and watercourses.

7. Handling & Storage

Safe Handling: Before use carefully read the product label and safety data sheet. Use of safe work practices are recommended to avoid eye or skin contact. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking, and smoking in work areas.

Storage: Store off the floor in a cool, dry area, removed from foodstuffs. Ensure there is sufficient ventilation for storage. Ensure containers are labelled, protected from physical damage, and sealed when not in use. Keep away from direct sunlight. Prevent it from freezing. Do not store at temperatures below 5°C or above 39°C.

8. Exposure Controls & Personal Protection

NZ Workplace Exposure Standards (WES):

Ingredient	CAS #	TWA*
Pentaerythritol	115-77-5	10mg/m ³
Titanium Dioxide	13463-67-7	10mg/m ³
Glass, oxide	65997-17-3	

International Exposure Standards:

Ingredient	CAS	ACGIH TLV [†]	OSHA PEL [†]	NIOSH IDLH [†]
Pentaerythritol	115-77-5	TWA: 10mg/m ³	TWA: 15mg/m ³ total dust TWA: 5mg/m ³ respirable fraction (vacated) TWA: 10mg/m ³ total dust (vacated) TWA: 5mg/m ³ respirable fraction	TWA: 10mg/m ³ total dust TWA: 5mg/m ³ respirable dust
Titanium Dioxide	13463-67-7	TWA: 10mg/m ³	TWA: 15mg/m ³ total dust (vacated) TWA: 10mg/m ³ total dust	IDLH: 5,000mg/m ³
Glass, oxide	65997-17-3	TWA: 1 fiber/cm ³ respirable fibers TWA: 5mg/m ³ inhalable fraction		

* Data sourced from CCID.

† Data sourced from client provided SDS.

Engineering Controls

Ventilation: Ensure adequate ventilation.

Personal Protection (PPE)

Eyes/Face: Splash resistant Safety Glasses with side shields or safety goggles (AS/NZS 1337) may be worn.

Skin: Protective clothes and clothing should be worn. The material must be impermeable & resistant to the product.

Respiratory: If exposure limits are exceeded or irritation is experienced, respiratory protection should be worn. Positive pressure supplied air respirators may be required for high airborne contaminant concentrations.

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9. Physical & Chemical Properties

Appearance: White liquid
Odor: Light ammonia
pH: Not available
Boiling point: Not available

Density: 1,443g/L
Solubility (water): Not available
Specific gravity: 1.37
VOC Content: 19g/L

10. Stability & Reactivity

Stability: Stable under recommended storage conditions.
Hazardous decomposition products: None known.

11. Toxicological Information

Health Effects / Symptoms of Exposure

Skin: Causes mild skin irritation.

Toxicological Data

Ingredient	CAS Number	Acute Toxicity Oral	Acute Toxicity Dermal
Ammonium Polyphosphate	68333-79-9	LD50: 4,740mg/kg (Rat) †	
Water	7732-18-5	LD50: >90mL/kg (Rat) †	
2,4,6-Triamino-1,3,5-triazine	108-78-1	LD50: 3,161mg/kg (Rat) †	LD50: >1g/kg (Rabbit) †
Pentaerythritol	115-77-5	LD50: 10,000mg/kg (Rat) †	
Titanium Dioxide	13463-67-7	LD50: >10,000mg/kg (Rat) †	
Nonylphenoxypolyethoxyethanol	127087-87-0	LD50: 1,310mg/kg (Rat)* †	

* Data sourced from CCID.

† Data sourced from client provided SDS.

12. Ecological Information

Persistence in environment: Not available

Biodegradability: Not available

Mobility: Not available

Ingredient	CAS Number	Aquatic Toxicity*	Terrestrial Vertebrates Toxicity†
Ammonium Polyphosphate	68333-79-9	Fish: LC50: 500mg/L Brachydanio rerio (96 hour exposure) Fish: LC50: 123-1066mg/L Oncorhynchus mykiss (96 hour exposure) Fish: LC50: 389-654mg/L Pimephales (96 hour exposure)	
2,4,6-Triamino-1,3,5-triazine	108-78-1	Algae: EC50: 940mg/L Scenedesmus pannonicus (96 hour exposure) Fish: LC50: 3,000mg/L Poecilia reticulata (96 hour exposure) Crustacea: EC50: 2,000mg/L Daphnia magna (48 hour exposure)	
Pentaerythritol	115-77-5	Fish: LC50: 50,000mg/L Oryzias latipes (48 hour exposure) Crustacea: EC50: 30,477mg/L Daphnia magna (48 hour exposure) Crustacea: EC50: 38,900mg/L Daphnia magna (24 hour exposure)	
Nonylphenoxypolyethoxyethanol	127087-87-0		LD50: 1,310mg/kg (Rat)

* Data sourced from CCID.

† Data sourced from client provided SDS.

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13. Disposal Considerations

Dispose of waste through a specialist waste disposal contractor. Do not reuse container.

14. Transport Information

Classified as a Non-Dangerous Good, according to NZS 5433:2007.

Proper Shipping Name: Not available

UN Number: Not available

Marine Pollutant: Not available

15. Regulatory Information

HSNO Approval

Group Standard: Surface Coatings and Colourants (subsidiary Hazard) Group Standard 2017. HSR002670.

All ingredients are listed on the NZIoC.

16. Other Information

Abbreviations / Terminology:

AS/NZS 1337	Personal eye-protection
AS/NZS	Joint Australian New Zealand Standard
CAS#	Chemical Abstract Service number (a unique identifier for chemicals)
CCID	Chemical Classification and Information Database
HSNO	(New Zealand) Hazardous Substances and New Organisms Act
NZIoC	New Zealand Inventory of Chemicals
NZS 5433	Transport of Dangerous Goods on Land
WES	Workplace Exposure Standard

Prepared with reference to: *Preparation of Safety Data Sheets, Approved Code of Practice under the HSNO Act [COP 8-1]*, New Zealand Chemical Industry Council Sep 2006

Current Version: 7th September 2023

Revision Information: SDS may be revised from time to time, please ensure you have a current copy.

This revision: Updated to meet New Zealand requirements.

Previous revision dated: 1st December 2017

Disclaimer:

This safety data sheet attempts to describe as accurately as possible the potential exposures associated with normal use of the product described herein. Health and safety precautions in the data sheet may not be adequate for all individuals and/or situations. Users have the responsibility to evaluate and use this product safely and to comply with all applicable laws and regulations.

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END OF SAFETY DATA SHEET