

MATERIAL SAFETY DATA SHEET



SGS



1. PRODUCT AND COMPANY IDENTIFICATION

Product Name : IONPAINT ECOSEAL 15
Use : Water Based Alkali Resisting Acrylic Sealer
Manufacturer : **MCW TECH SDN BHD**
20, 1st Floor, Persiaran Permatang Rawa,
Bukit Mertajam Wellesley,
14000 Bukit Mertajam, Pulau Pinang
Tel : +604-530 7898

2. INFORMATION OF INGREDIENTS

<u>Ingredient</u>	<u>CAS No.</u>	<u>Approx % Wt</u>
Modified Acrylic Polymer		35 - 40%
Co Solvent	107-21-1	5 - 10%
Titanium Dioxide	13463-67-7	5 - 10%
Extender		10 - 20%
Water	7732-18-5	10 - 20%

3. HAZARDS IDENTIFICATION

Stable.
Irritation to skin. Avoid contact with skin and eyes.
Keep away from heat. Do not breath vapour.
Do not empty into drains.

4. FIRST AID MEASURES

Inhalation	Remove victim from area of exposure.
Skin Contact	Immediately remove any contaminated clothing and wash thoroughly with running water. If skin irritation persists, seek medical advice.
Eye Contact	Flush with a large amount of water for at least 15 minutes. Seek medical attention.
Ingestion	If swallowed, DO NOT induced vomiting. Consult a physician if necessary.

5. FIRE FIGHTING MEASURES

Thermal decomposition	On burning will produce carbon monoxide and carbon dioxide gases.
Suitable extinguishing media	Foam, Carbon dioxide, Dry Chemical or water fog.
Special fire fighting procedure	Do not enter any enclosed or confined fire space without proper protective equipment. Use full protective equipment including self-contained breathing apparatus.
Unusual Fire and explosion hazard	Product may spatter if temperature of liquid exceeds the boiling point of water. If solids ignite, toxic and irritating gases can be emitted. Thermal decomposition of this product will produce carbon monoxide and carbon dioxide gases.

6. ACCIDENTAL RELEASE MEASURES

Environmental precautions	CAUTION: If contamination of sewers or waterways has occurred advise local emergency services.
Methods for cleaning up	Prevent the product run off into sewer or waterways. Contain spills immediately with inert materials (e.g., sand, clay, earth). Collect and seal the product in suitable containers for recovery or disposal.

7. HANDLING AND STORAGE

Handling	Keep out of children. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed. Use only with adequate ventilation.
Storage	Store in cool well ventilated areas away from heat and out of direct sunlight.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limit(s)	Titanium Dioxide	PEL (OSHA): 15mg/m ³ , Total Dust, 8 hours TWA TLV (ACGIH): 10mg/m ³ , Total Dust, 8 hours TWA
	Ehtylene Glycol	OSHA TLV (vapour): ceiling 50ppm

Exposure controls	Eye protection	Wear chemical splash goggles.
	Hand protection	Wear resistant gloves such as: BUNA-N to provide protection.
	Respiratory protection	If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted, NIOSH approved respirator.
	Engineering measures	Use only in area provided with appropriate exhaust ventilation.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid
Odour	Mild Odour
Solubility	Complete soluble in water.
Specific Gravity (H₂O)	1.50
Evaporation Rate	Slower than Butyl Acetate.
Vapour Density	Heavier than air.
Flash Point	Not applicable

NOTE:

The physical data presented above are typical values and should not be construed as a specification

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under normal conditions of use.
Conditions to avoid	Avoid excessive temperatures, poor ventilation and corrosive atmospheres.
Hazardous decomposition products	Oxides of carbon.

11. ECOLOGICAL INFORMATION

Avoid contaminating waterways.

12. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data

Sheet. Symptoms or effect that may arise if the product is mishandled and overexposure occurs are:

Inhalation:	Cause headache, nausea and irritation of nose, throat and lungs in poorly ventilated areas.
Eye contact:	Cause moderate eye irritation. Symptoms may include tearing, redness and stinging sensation.
Skin contact:	Cause mild irritation. Will have degreasing action on the skin. Repeated or prolonged contact may lead to dermatitis.
Ingestion:	Result in nausea, vomiting, diarrhea and gastrointestinal irritation.

13. DISPOSAL CONSIDERATIONS

Dispose through a licensed waste contractor. Incinerate or landfill at a permitted facility in accordance with local, state, and federal regulations.

14. TRANSPORTATION INFORMATION

UN-NO	n/a
MARINE POLLUTANT	n/a
SHIPPING NAME	Water-based coating
PACKING GROUP	n/a
ADR : CLASS	n/a
ICAO/ IATA	Non-DG
IMDG/ IMO	Non-DG

15. REGULATORY INFORMATION

LABELING

n/a

16. OTHER INFORMATION

The above information is based on current formulation and information available at this time. Since conditions of use are outside our control we make no warranties, expressed or implied, and assume no responsibility or liability in connection with any use of this information.

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