

Material Safety Data Sheet

**TUFF EXTERIOR EMULSION MATT(ABF)**

**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY :**

Product Name : TUFF EXTERIOR EMULSION MATT (ABF)  
 Product Type : Water Based Exterior finish  
 Supplier : Berger Paints Emirates Limited  
 P O Box 27524  
 Dubai, UAE.  
 Telephone Number : 00-9714-3391000  
 Emergency Telephone Number : 00-9714-3391078

**2. COMPOSITION/INFORMATION ON INGREDIENTS:**

	Weight %	CAS #	LEL Vol %	AGGIH TLV-TWA	Risk Phrase
• Acrylic Copolymer Emulsion	<15	Non-hazardous	--	--	--
• Titanium dioxide	<15	13463-67-7	--	10 mg/m <sup>3</sup>	--
• Hydroxyethyl Cellulose	<0.6	9004-62-0	--	--	--
• Water	20 - 25	7732-18-5	--	--	--
• Tetramethylol acetylene diurea and isothiazolone	<0.001	5395-50-6	--	--	R 23/24/25-34-43-50/53
• Ammonia	0.08 Max	7664-41-7	--	25 ppm	R10-23
• 3-(3,4 -dichlorophenyl)-1,1-dimethylurea	<0.001	330-54-1	--	--	R 22-40-48/22-50/53
• Propane-1,2-diol	1 - 3	57-55-6	2.6	10 mg/m <sup>3</sup>	--
• Calcium Carbonate	30-40	1317-65-3	--	--	--
• 2,2,4-trimethyl-1,3-pentenediol mono(2-methylpropanoate)	<0.001	25265-77-4	--	--	--

**3. HAZARDOUS IDENTIFICATION :**

This product is not classified as dangerous. Avoid inhalation of atomized paint during Spray application.

**4. FIRST AID MEASURES :**

General : Remove contaminated clothing  
 First Aid - Inhalation : Remove to fresh air. If rapid recovery does not occur, obtain medical attention.  
 First Aid - Skin : Remove contaminated clothing immediately. Wash skin thoroughly with soap and water.  
 First Aid - Eye : Irrigate copiously with clean, fresh water for atleast 10 minutes holding the eye lids apart and seek medical advice.  
 First Aid - Ingestion : Do not induce vomiting. Obtain immediate medical attention.

**5. FIRE FIGHTING MEASURES :**

Specific Hazards : In a fire or if heated, a pressure increase will occur and the container may damage.  
 Extinguishing Media : Water spray-mist, foam, dry chemical powder, carbon Dioxide, Sand

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6. **ACCIDENTAL RELEASE MEASURES :**

- Personal precautions : Extinguish naked flames. Remove ignition sources, Avoid sparks.
- Environmental precautions : Prevent contamination of soil and water.
- Processing for Cleaning/ Collecting : Contain and collect spillage with non-combustible absorbent materials, e.g., sand, earth or spill control material and place in a container for disposal according to local regulation.

7. **HANDLING & STORAGE :**

Avoid prolonged or repeated contact with skin. Do not breathe vapour, spray/mists. Extinguish any naked flames. Remove ignition sources. Avoid spark. Do not smoke. Take precautionary measures against static discharges.

- Handling temperature : Ambient
- Storage : Keep container tightly closed and in a well ventilated place. Keep away from direct sunlight and other sources of heat or ignition. Do not smoke in storage areas.
- Storage temperature : Ambient.

8. **EXPOSURE CONTROLS/PERSONAL PROTECTION :**

- Engineering Control Measures : Use only in well ventilated areas.

9. **PHYSICAL AND CHEMICAL PROPERTIES :**

- Physical state : Thixotropic Liquid
- Odour : Characteristic
- Safety Related Information :**
- Flash Point : Non-combustible
- Ignition temperature : Not applicable
- Lower Explosive Limit : Not applicable
- Boiling point : 100°C (Based on water)
- Vapour Density (Vs. Air) : Heavier
- Evaporation Rate (Vs n-Bu Acetate) : Slower
- Density at 25°C : 1.55 – 1.65 gm/cc
- Solubility in water : Partly soluble.

10. **STABILITY/REACTIVITY :**

- Stability : Stable under the recommended storage and handling Conditions.
- Conditions to avoid : Heat.
- Materials to avoid : Strong oxidizing agent
- Hazardous decomposition Products : Carbon Di-oxide, Carbon Mono-oxide, Nitrogen Oxides.

11. **TOXICOLOGICAL INFORMATION :**

- There is no data available on the product itself.
- Ingestion : Ingestion may result in sore-throat, abdominal pain or Nausea.

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12. **ECOLOGICAL INFORMATION :**

There is no data available on the product itself. The product should not be allowed to enter Drains or water courses or be deposited where it can affect ground or surface waters.

13. **DISPOSAL CONDITIONS :**

The generation of waste should be avoided or minimized wherever possible. Waste product residues should not be disposed of via the sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way.

14. **TRANSPORT INFORMATION :**

This Product is not dangerous as classified in the IATA Dangerous Goods Regulations. They are not flammable (as described in Class 3 or Class 4 criteria), poisonous or corrosive, nor do they fall within any other class description of "Dangerous Goods". Always transport in closed container.

15. **DISCLAIMER :**

This information is based on our current knowledge and is obtained from sources, which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding the correctness. This information is extended to describe the product for the purposes of health, safety and environmental requirements only. The conditions or methods of handling, storage, use or disposal of the product are being our control. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage connected with the handling, storage, use or disposal of the product.

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