

Material Safety Data Sheet

TUFF AR PRIMER

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY:

Product Name : Tuff AR Primer
 Product Type : Water Based Alkali Resistant Primer
 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:

	<u>Weight %</u>	<u>CAS Number</u>	<u>LEL Vol %</u>	<u>ACGIH TLV-TWA</u>	<u>Risk phrase</u>
• Acrylic Emulsion	6 – 15	Non-hazardous	-	-	-
• Titanium Dioxide	5 – 10	13463-67-7	-	10 mg/m ³	-
• Calcium Carbonate	20 – 40	1317-65-3	-	10 mg/m ³	-
• Aluminium Silicate	3 – 12	1332-58-7	-	2 mg/m ³	-
• Hydroxyethyl Cellulose	0.2 – 0.6	9004-62-0	-	-	-
• 2,2,4-Trimethyl - 1,3-Pentanedioil Mono-isobutyrate	0.6 Max	25265-77-4	-	-	R23/24-34-22-43-(50)
• Ammonia	0.08 Max	7664-41-7	-	25 ppm	R10-23
• Water	30 – 50	7732-18-5	-	-	-

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.

... (2)...

6. **ACCIDENTAL RELEASE MEASURES :**

- Personal precautions : Avoid contact with skin and eyes. Do not breathe vapour. Extinguish naked flames. Remove ignition sources, Avoid sparks.
- Personal protection : Wear PVC gloves, safety boots. Wear full face - place respirator with organic vapour canister NPF 400. In a confined space, wear self-contained breathing apparatus open circuit type NPF 2000.
- 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.
- Respiratory protection : When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
- Hand protection : PVC Gloves. Barrier creams may help to protect the exposed areas of the skin.
- Eye protection : Use safety eyewear designed to protect against splash of products.

9. **PHYSICAL AND CHEMICAL PROPERTIES :**

- Physical state : 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 : 1.32 – 1.42 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. ... (3)...

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