



# Material Safety Data Sheet

## Ruff 'N' Tuff - Pearl Durable Spray Bubble Texture

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### Section - 1

#### Product and Company Identification

**Product Name:** Ruff 'N' Tuff – Pearl

**MFD & MKTD BY:** BERGER PAINTS INDIA LTD.,  
Berger House, 129 Park Street, Kolkata,  
West Bengal, India - 700017  
**Phone** 1800-103-6030 **Email** consumerfeedback@bergerindia.com

### Section - 2

#### Composition / Information on Ingredients

Solid % - 78.0 ± 2, Volatile % - 22.0 ± 2, Emulsion Type – Modified Acrylic Emulsion

### Section - 3

#### Hazards identification

Not classified as hazardous according to regulatory criteria

### Section - 4

#### First Aid Measures

- **Inhalation** : Move to fresh air.
- **Skin Contact** : Wash with water and soap as a precaution. If skin irritation persists, consult Doctor.
- **Eye contact** : Rinse with plenty of water. If eye irritation persists, consult a specialist.
- **Ingestion** : Drink 1 or 2 glasses of water. Consult a physician if necessary. Never gives anything by mouth to an Unconscious person.

### Section - 5

#### Fire – Fighting Measures

- **Thermal decomposition:** Thermal decomposition may yield inorganic flakes or ash.
- **Suitable extinguishing media:** Use extinguishing media appropriate for surrounding fire.
- **Specific hazards during firefighting:** Material can splatter above 100°C/212°F. Dried product can burn.
- **Special protective equipment for fire-fighters:** Wear & use standard & protective apparatus.

### Section - 6

#### Accidental Release Measures

- **Personal precautions:** Keep people away from & upwind of spill / leak. Material can create slippery conditions.
- **Environmental precautions:**  
**Cautions:** Keep spills & cleaning runoff out of municipal sewers & open bodies of water.
- **Methods for cleaning up:**  
Contain spills immediately with inert materials (e. g., sand, earth)  
Transfer liquids and solid diking material to separate suitable containers for recovery or disposal.

### Section - 7

#### Handling and Storage

- **Handling.**  
Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed. Do not breathe vapors, mist or gas.
- **Further information on storage conditions:** Keep from freezing - product stability may be affected. STIRWELL BEFORE USE.
- **Storage:** Storage temperature: 10 - 40°C
- **Other data:** Vapors can be evolved during processing operations.

## Section = 8

**Exposure Controls / Personal Protection**

- **Exposure limit (S):** Exposure limits are listed below, if they exist.
- **Exposure controls**
- **Eye protection:** Safety glasses with side-shields. Eye protection worn must be compatible with respiratory Protection system employed.
- **Hand protection:** The gloves listed below may provide protection against permeation.( Gloves of other Chemically resistant materials may not provide adequate protection): neoprene gloves
- **Respiratory protection:** Use certified respiratory protection equipment meeting EU requirements (89/656/EEC, 89/686/EEC), or equivalent, when respiratory risks cannot be avoided or sufficiently limited by technical means of collective protection or by measures methods or procedures of work organization.
- **Protective measures:** Facilities storing or utilizing this material should be equipped with first - aid facility.
- **Engineering measures:** Use only in area provided with appropriate exhaust ventilation.

## Section = 9

**Physical and Chemical Properties**

Physical state	-	Thick Paste
Colour	-	Base Colour
Odour	-	Ammoniacal
pH	-	8.0 - 9.0
VOC – gms / lit	-	15.5 ± 5
Boiling point / range	-	100°C Water
Melting point / range	-	0°C Water
Flash point	-	Noncombustible
Lower explosion limit	-	not applicable
Upper explosion limit	-	not applicable
Vapour pressure	-	22.6648 Pa at 20°C. Water
Relative vapour density	-	<1.0 Water
Water Solubility	-	Dilutable
Relative density	-	1.83 ± 0.03
Viscosity, dynamic	-	PR at 300C - 355 ± 5 Units
Evaporation rate	-	<1.00 Water
Percent volatility	-	18.0 % Water

**NOTE:** The physical data presented above are typical values and should not be construed

## Section = 10

**Stability And Reactivity**

**Hazardous reactions:** Not known.

**Materials to avoid:** There are no known materials which are incompatible with this product.

## Section = 11

**Toxicological Information**

No data are available for this material. The information shown is based on profiles of compositionally similar materials.

**Acute oral toxicity:** LD50 rat > 5,000 mg/kg

**Acute dermal toxicity:** LD50 rabbit > 5000 mg/kg

**Skin irritation:** rabbit May cause transient irritation

**Eye irritation:** rabbit No eye irritation

## Section = 12

**Ecological Information**

No experimental data of the product available.

## Section = 13

**Disposal Consideration**

**Environmental precautions: CAUTION:** Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** For Disposal, incinerate or landfill at a permitted facility in accordance with local, state, and federal Regulations.

## Section - 14

**Transport Information**

**Classification for ROAD and Rail transport:** Not Regulated ( Not dangerous for transport )

**Classification for SEA transport:** Not Regulated ( Not dangerous for transport )

**Classification for AIR transport:** Not Regulated ( Not dangerous for transport )

Transportation classifications may vary by container volume and may be influenced by regional or country Variations in regulations.

## Section - 15

**Regulatory Information**

**Label:** Classification and labeling have been performed according to regulations.

## Section - 16

**Other Information****Legend**

ACGIH	American Conference of Governmental Industrial Hygienists
Bac	Butyl acetate
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
STEL	Short Term Exposure Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average
I	Bar denotes a revision from prior MSDS

*The information provided in this Safety Data Sheet is correct to the best our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.*