



## THE TATA PIGMENTS

### MATERIAL SAFETY DATA SHEET PREMIUM EXTERIOR EMULSION REGALIA

#### 1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

PRODUCT NAME Regalia

PRODUCT NO. Acrylic Emulsion

SYNONYMS, TRADE NAMES Acrylic Emulsion  
SAKCHI BOULEVARD  
P.O – TATANAGAR  
JAMSHEDPUR – 831002, INDIA  
PHONE – 00916572433547  
FAX - 00916572434039

#### 2 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content %	Classification
Acrylic Resin	-	25067-01-0		-
Calcium Carbonate		--		
Britex				
Talc				
Silica				
Cellulose				
Additives				

#### 3 HAZARDS IDENTIFICATION

Physical Hazard  
Not classified as an physical hazard under GHS criteria

Health Hazard  
Not classified as an health hazard under GHS criteria

Environment Hazard  
Not classified as an environmental hazard under GHS criteria

#### 4 FIRST-AID MEASURES

**INHALATION**  
Move person to fresh air and call for medical assistance immediately.  
If not breathing, give artificial respiration, if breathing is difficult, give oxygen. Keep at rest.

**SKIN CONTACT**  
In case of contact, immediately flush skin with large amounts of water and soap while removing contaminated clothing and shoes.  
If irritation persists, get medical attention.

**EYE CONTACT**  
Immediately flush eyes with large amounts of water until irritation subsides.  
Remove contact lens.  
Obtain medical attention, preferably by an ophthalmologist, immediately.

**INGESTION**  
DO NOT induce vomiting unless directed to do so by a medical personnel. Never give anything by mouth to an unconscious person. Keep at rest. Get medical attention immediately.

#### 5 FIRE-FIGHTING MEASURES

**SUITABLE FIRE EXTINGUISHING MEDIA**  
Alcohol - resistant foam, Carbon dioxide, or dry chemical type.

**SPECIFIC HAZARDS ARISING FROM THE CHEMICAL**  
Combustion products may include and are not limited to: Carbon monoxide and Carbon dioxide.

**SPECIAL PROTECTIVE ACTIONS FOR FIRE FIGHTERS**  
Wear full protective clothing and NIOSH - approved self - contained breathing apparatus.  
Use water spray to cool fire - exposed surfaces and to protect personnel. If a leak or spill has not ignited, use water spray to disperse the vapours.  
If possible, isolate product from heat, electrical equipments, sparks and open flames.  
Avoid spraying water directly into storage containers.  
Closed containers may explode when exposed to extreme heat.  
Avoid spreading burning liquid with water, isolate liquid.

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Do not allow runoff from fire fighting to enter drains or watercourses.

### 6 ACCIDENTAL RELEASE MEASURES

#### PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURE

Wear appropriate protective equipment, e.g. respirators, eye protection, gloves and safety shoes.

Avoid substance contact with eyes. Do not inhale vapours.

Ensure supply of fresh air in enclosed rooms.

#### ENVIRONMENTAL PRECAUTIONS

Eliminate sources of ignition.

Keep public away.

Contain spilled liquid with sand or other non-combustible absorbent materials. Wash area and prevent runoff into drains and sewerage system. Advise authorities if substance has entered a watercourse or sewer or has contaminated soil or vegetation.

#### METHODS AND MATERIALS FOR CONTAINMENTS AND CLEANING UP

Clean up all spills immediately. Absorb spill with absorbent and inert material, then place in container. Disposal in accordance to local/national regulations.

### 7 HANDLING AND STORAGE

#### PRECAUTIONS FOR SAFE HANDLING

Use appropriate personal protective equipment. Keep out of reach of children.

Handle containers with care. Open slowly in order to control possible pressure release. Do not pressurize containers.

Do not ingest. Do not breathe in gas/fumes/vapour. Avoid contact with skin and eyes.

For personal protection, see section 8.

Use only in areas from which all naked lights and other sources of ignition have been excluded.

Take precautionary measures against static discharge.

Protect from frost and extremes of temperature.

#### CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Keep containers tightly closed. Containers that are opened should be properly resealed and kept upright to prevent leakage. Store in cool, dry and well - ventilated place at temperature between 20oC to 40oC away from heat and sources of ignition.

### 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

#### APPROPRIATE ENGINEERING CONTROL MEASURES

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapours below their respective occupational exposure limits. Ensure eyewash stations and safety showers are close to the workstation location.

#### PERSONAL PROTECTION

Respiratory Protection      Use of NIOSH - approved respirators with organic vapour cartridges is recommended.

Eye Protection              Use of safety glasses or goggles with side shields is recommended.

Eye Protection              Use of safety glasses or goggles with side shields is recommended.

Skin / Body Protection      Wear chemical resistant clothes and safety shoes when handling product.

### 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid
Odour	Mild paint odour
Odour threshold	Not available
pH	8-10
Melting point/freezing point	Not available
Initial boiling point and boiling range	Not available
Flash point	Not available
Evaporation rate	Not available
Flammability (solid, gas)	Not applicable
Lower flammability or explosive limit	Not available
Upper flammability or explosive limit	Not available
Vapour pressure	Not available
Vapour density	Not available
Relative density	Not available
Solubility	Miscible in water
Partition coefficient	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available

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### 10 STABILITY AND REACTIVITY

#### REACTIVITY

No dangerous reaction known under condition of normal use.

#### CHEMICAL STABILITY

The product is stable under recommended storage and handling conditions. (see section 7)

#### POSSIBILITY OF HAZARDOUS REACTION

Under normal conditions of storage and use, hazardous reaction will not occur.

#### CONDITIONS TO AVOID

Keep away from oxidising agents, strongly alkaline and strongly acidic materials in order to avoid exothermic reactions. Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, drill, grind or expose containers to heat or sources of ignition.

#### HAZARDOUS DECOMPOSITION PRODUCTS

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide, carbon dioxide, oxides of nitrogen and smoke.

### 11 TOXICOLOGICAL INFORMATION

There is no data available on the product itself.

Toxicological information of substances:

#### Acute Oral toxicity

Harmful if swallowed

#### Acute dermal/skin toxicity

May be harmful if in contact with skin

#### Acute inhalation toxicity

Vapour concentrations above the recommended exposure levels may be irritating to the eyes and the respiratory tract, may cause headaches and dizziness, could be anesthetic and may have other central nervous system effects.

#### Skin corrosion or irritation

Causes skin irritation. Frequent or prolonged contact may dry the skin, leading to discomfort and dermatitis.

#### Serious eye damage or irritation

May be an eye irritant

#### Respiratory or skin sensitisation

Vapour concentrations above the recommended exposure levels may be irritating to the eyes and the respiratory tract

#### Germ cell mutagenicity

No information available on the product

#### Carcinogenicity

Titanium Dioxide

The International Agency for Research on Cancer (IARC) has classified Titanium Dioxide as possibly carcinogenic to humans (Group 2B) based on inadequate evidence of carcinogenicity in humans and sufficient evidence of carcinogenicity in experimental animals

#### Reproductive toxicity

No information available on the product

#### Specific Target Organ Toxicity (STOT)-single exposure

No information available on the product

#### Specific Target Organ Toxicity (STOT)-repeated exposure

No information available on the product

#### Asphyxiation hazard

May be harmful if swallowed and enters airways

### 12 ECOLOGICAL INFORMATION

Toxicity

Aquatic toxicity -No data available

Persistence and degradability

Biodegradation -No data available

Bioaccumulative potential - No data available

Mobility in soil - No data available

Result of PBT and vPvB assessment - No data available

Other adverse effects

There is no ecotoxicological test data available on the product itself. The product should not be allowed to enter drains or water courses.

### 13 DISPOSAL CONSIDERATIONS

The product should not be allowed to enter drains and watercourses. Preferred methods of waste disposal are incineration or biological treatment in federal/state approved facility. Empty containers should be recycled or disposed through an approved waste management facility or licensed contractor. All federal, state and local environmental regulations shall be observed.

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### 14 TRANSPORT INFORMATION

Transport to be in accordance with ADR/RID for road/rail, IMDG for sea and IATA for Air.

#### LAND TRANSPORT

Not classified as Dangerous Goods by the criteria of the European Agreement concerning the international carriage of Dangerous Goods (ADR) by Road & Regulations concerning the international carriage of Dangerous goods (RID) by Rail.

#### SEA TRANSPORT

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport of Sea.

SEA (ANNEX II OF MARPOL 73/78 AND THE IBC CODE)

Not applicable

#### AIR TRANSPORT

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by Air.

### 15 REGULATORY INFORMATION

Applicable national regulations:

Standards on Hazard communication for hazardous chemicals and dangerous goods

- SS 586: Part 1: 2014-Transport and storage of dangerous goods
- SS 586: Part 2: 2014-GHS of classification and labelling of chemicals
- SS 586: Part 3: 2008(2014)-Preparation of safety data sheet

MOM: Workplace Safety and Health Act & Workplace Safety and Health (General Provisions) Regulations

- This product is subject to SDS, labelling, PEL and other requirements in the Acts/Regulations.

NEA: Environmental Protection and Management Act & Environmental Protection and Management (Hazardous Substances) Regulations

- This product is not subject to control under this Acts/Regulations.

SCDF: Fire Safety Act & Fire Safety (Petroleum and Flammable Materials) Regulations

- This product is subject to the requirement of this Acts/Regulations.

SPF: The Arms and Explosive Act, the Arms and Explosives (Explosives) Rules, and the Arms and Explosives (Explosive Precursors) Rules

- This product is not subject to the requirement of this Acts/Regulations.

### 16 OTHER INFORMATION

#### GENERAL INFORMATION

See technical literature for details of suitable applications of this product.

#### REVISION COMMENTS

#### RISK PHRASES IN FULL

NC Not classified.

#### DISCLAIMER

This 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. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use

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