



## BHANSALI ENGINEERING POLYMERS LIMITED

### MATERIAL SAFETY DATA SHEET

SANTRON –IMS1000

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#### 1.0. IDENTIFICATION OF CHEMICAL

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Distinction of single product or mixture : Single  
Chemical identity : (Acrylonitrile - Styrene Copolymer) Resin  
CAS Number : 9003-54-7  
EINECS Number : -

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#### 2.0. COMPOSITION

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| Chemical name                 | Composition | Chemical Formula   |
|-------------------------------|-------------|--|
| Acrylonitrile - Styrene Resin | 99 – 100 %  | (C <sub>8</sub> H <sub>8</sub> ) <sub>l</sub> · (C <sub>3</sub> H <sub>3</sub> N) <sub>m</sub> |
| Additive agent etc.           | 0 – 1 %     | -  |

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#### 3.0. HAZARD IDENTIFICATION

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Main Hazard : None

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#### 4.0. FIRST AID MEASURES

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Skin Contact : Wash contaminated skin with soap and water.  
If burning occurs, cool the area immediately with cool water.

Eye Contact : Wash contamination with ample quantity of water.

Ingestion : Not likely to ingest. If a large amount is swallowed, seek medical attention.

Inhalation : Precaution should be taken to avoid breathing of dust and vapor if they are generated.

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#### 5.0 FIRE FIGHTING MEASURES

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Exposure Hazards : The resin burns rapidly once ignited, may release carbon dioxide, cyanides, hydrocarbons etc.

Suitable Extinguisher : Water Fog, CO<sub>2</sub>, dry chemical, foam Extinguisher.



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### 6.0 ACCIDENTAL RELEASE MEASURES

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|                     |   |  |
|---------------------|---|--|
| Personal Protection | : | Wear glasses and mask for dust protection.           |
| Leaks & Spills      | : | Collect spilled pellet into suitable container/bags. |
| Clean-Up Procedure  | : | By sweeping or vacuum                                |

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### 7.0 HANDLING AND STORAGE

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|                       |   |   |
|-----------------------|---|---|
| Handling Requirements | : | Eliminate ignition source<br>While emptying out packages keep clean the area to avoid dust accumulation as static charge may cause fire for the dust. |
| Storage Precautions   | : | Store them in closed containers, bags etc in dry, cool and shadow places. Do not store near fire prone area.  |

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### 8.0 EXPOSURE CONTROL /PERSONAL PROTECTION

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|                     |   |   |
|---------------------|---|---|
| Personal Protection | : | Appropriate Personal Protective.                    |
| Exposure Limits     | : | N/A   |
| Type                | : | N/A   |
| Toxicity            | : | Cause low degree of toxicity if vapors are inhaled. |

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### 9.0 PHYSICAL AND CHEMICAL PROPERTIES

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|                           |   |   |
|---------------------------|---|---|
| Appearance                | : | Pellet                                    |
| Color                     | : | Slight tinted Clear color                 |
| Odor                      | : | Odorless                                  |
| Boiling Point/ Range      | : | N/A                                       |
| Melting Point/ Range      | : | Above 180 Deg C                           |
| Flash point               | : | About 366 Deg C                           |
| Auto-ignition temperature | : | About 454 Deg C                           |
| Explosion characteristic  | : | There is a possibility of exploding dust. |
| Vapor pressure            | : | N/A                                       |
| Relative Density          | : | 1.05 – 1.08 gm/cc                         |
| Solubility                | : | Insoluble in water.                       |

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### 10.0. STABILITY AND REACTIVITY

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|   |   |  |
|---|---|--|
| Condition to avoid                            | : | Store in ambient temperature and shade area to avoid direct sun light and high temperature heat source |
| Stability                                     | : | Stable   |
| Material to avoid                             | : | N/A  |
| Hazardous reactions/<br>Decomposition product | : | N/A  |



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### 11. 0 TOXICOLOGICAL INFORMATION

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|                     |   |     |
|---------------------|---|-----|
| Acute toxicity      | : | N/A |
| Chronic toxicity    | : | N/A |
| Skin/Eye irritation | : | N/A |
| Sensitization       | : | N/A |
| Carcinogenicity     | : | N/A |
| Reproductive effect | : | N/A |
| Mutagenicity        | : | N/A |

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### 12. 0 ECOLOGICAL EFFECTS

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|                    |   |     |
|--------------------|---|-----|
| Eco-toxicity       | : | N/A |
| Environmental fate | : | N/A |

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### 13.0 DISPOSAL CONSIDERATIONS

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|                |   |   |
|----------------|---|---|
| Waste Disposal | : | Can be done by appropriate incineration and landfills.<br>Comply with local, state and federal regulation |
|----------------|---|---|

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### 14.0 TRANSPORTATION INFORMATION

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#### IMDG CODE

|               |   |     |
|---------------|---|-----|
| UN No.        | : | N/A |
| Packing group | : | N/A |
| Class         | : | N/A |

#### ADR / RID

|                  |   |     |
|------------------|---|-----|
| Subject. ID No.  | : | N/A |
| Class + Item No. | : | N/A |

#### IATA / ICAO

|        |   |  |
|--------|---|--|
| UN No. | : |  |
|--------|---|--|

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### 15.0 REGULATORY INFORMATION

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|                |   |     |                    |
|----------------|---|-----|--------------------|
| Classification | : | N/A |                    |
| Risk Phrases   | : | N/A | OR AS APPROPRIATES |
| Safety Phrases | : | N/A |                    |

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### 16.0 ADDITIONAL INFORMATION

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|                        |   |      |
|------------------------|---|------|
| Additional Information | : | None |
|------------------------|---|------|

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The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. Neither should any agree property nor the suitability of the product for any specific purpose be deduced from the data contained in the safety data sheet.

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