

Safety Data Sheet BAWS

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1. Product Name / Company Identification

Product: BAWSCompany:

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2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name: Polystyrol modified - This product is a mixture

CAS-No. EC-No.	REACH No.	Amount	Component	Classification Regulation (EC) No 1272/ 2008
CAS-No. 9003-55-8 EC-No. Polymer	----- -----	>=20.0 - <=40%	Styrene, 1,3 - butadiene copolymere	Not classified
CAS-No. 9003-53-6 EC-No. Polymer	----- -----	>=60.0 - <=80%	Styrene, polymers	Not classified
CAS-No. 8042-47-5 EC-No. 232-455-8	----- -----	<= 6%	White mineral oil	Not classified

3. Hazard Identification

Most Important Hazards None
Adverse Human Health Effects None
Environmental Effects None
Physical and Chemical Hazards None

4. First Aid Measures

Inhalation	In case of gases evolving from melted resin, move subject to fresh air. Treat symptomatically.
Skin Contact	In case of pellets or powder, wash with water. In case of melt, wash affected skin area and clothing with plenty of (soap and) water. Seek medical advice.
Eye Contact	In case of pellets or powder, flush with plenty of water for at least 15 minutes. Seek medical advice if any dust particles still remain. In case of gases evolving from melted resin of high temperature, flush with plenty of water for at least 15 minutes. Seek medical advice if necessary.
Ingestion	Induce vomiting. Rinse mouth with water. Seek medical advice if necessary.

5. Fire-Fighting Measures

Extinguishing Media	Water, Foam, Dry chemical powder
Special Fire-Fighting Procedure	Self contained breathing apparatus
Fire and Explosion Hazards	None

6. Accidental Release Measures

Methods for Cleaning up	Recovery if not contaminated or Disposal
Personal Precautions	Pellets or powder remained on ground may cause slipping
Environmental Precautions	Gather pellets and powder thoroughly to avoid birds or fishes taking from draining water

7. Handling and Storage

Handling	Prevent from fire around handling area. Maintain good housekeeping standards to prevent accumulation of dust. To avoid dust explosion resulting from the existence of powder, electrostatics eliminators and grounding should be fixed to such equipment as air transferring pipes, bag filters and hoppers. Use electrically conductive filters for bag filters.
Storage	Keep the materials at a cool dry place. Protect from direct sunlight, rain and violent temperature fluctuation. Fire is inhibited around storage area.

8. Exposure Controls / Personal Protection

Threshold Limit Value	Not determined
Ventilation	Necessary to exclude dust, fumes and gases.
Personal Protection Eye	Wear safety glasses for general purpose.

Respiratory Wear chemical goggles for cleaning molding machines.
Gloves Wear masks for cleaning molding machines.
 Necessary for handling melted resin.

9. Physical and Chemical Properties

Appearance: Pellets
Smell: Non
Melting Point: 90 - 130 °C
Solubility: insoluble in water
Density: 1.05 g/cm³

10. Stability and Reactivity

Flammability Yes
Flash Point 404 °C
Auto-ignition Temperature 466 °C
Reactivity with Water No
Stability Stable and non-reactive under normal handling and storage condition.
Dust Explosion Possible if powder exists.
 Explosion data for powder (< 145mesh)
 Lower explosion limit 45 g/m³
 Minimum ignition energy 3.6 mJ
 Maximum explosion pressure 7 × 10⁵ Pa
 Maximum pressure increase rate 3.2 × 10⁷ Pa/S
Thermal Decomposition Gases CO, HCN, AN, SM and NO
Combustion Energy 3.53 × 10⁷ J/kg (8424 Kcal/kg)

11. Toxicological Information

Irritation Fumes or vapors generated from decomposing resin may be irritant to eyes.
Acute oral toxicity (LD50) Not determined
Mutagenicity Not determined

12. Ecological Information

To avoid being taken by ocean species or birds, disposal of the waste to the ocean and water sources is inhibited.

13. Disposal Consideration

Controlled incineration or landfill according to local, state or national laws and regulations concerning health and pollution.

Inadequate incineration may generate toxic gases such as CO, HCN, AN and SM.

14. Transport Information

Not classified as a dangerous good under transport regulations

15. Regulatory Information

None

16. Other Information

DISCLAIMER OF LIABILITY: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. iSQUARED Corporation and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product.