MATERIAL SAFETY DATA SHEET

ABS Plastic Construction Battens

Section 1 Product and Company Identification

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Material Identification
Product Name: Plastic Construction Battens made with ABS
Product Use: ABS pellets are used to produce moulded or extruded articles such as battens. Battens provide spacing between the wall and cladding as a thermal break and allows for air circulation and an unobstructed path for moisture to drain from the wall cavity.
Chemical Name: Acrylonitrile-Butadiene-Styrene Copolymer: CAS #: 9003-56-9

Section 2 Composition/Information on Ingredients

The following hazardous ingredients may be present in trace amounts within Permissible Exposure Limits: Styrene CAS # 100-42-5
Acrylonitrile CAS # 107-13-1

In addition, certain grades may also contain one or more of the substances listed below. In all cases, concentrations are within Permissible Exposure Limits:
Carbon Black CAS # 1333-86-4
Titanium Dioxide CAS # 13463-67-7
Triphenyl Phosphate CAS # 115-86-6

Section 3 Hazards Identification

Ingestion: Not a probable route if ingestion.
Skin: Molten material will cause thermal burns.
Eye: Mechanical irritation only.
Inhalation: Stock shapes are not respirable, avoid breathing dust, as fine particles can be inhaled and retained in the lungs. Although these particles contain finite amounts of volatiles, they are present in trace amounts and studies indicate there is no measurable hazard from these volatiles. Vapours and fumes from heat processing may cause irritation of the nose and throat, and in cases of overexposure can cause headaches and nausea. If affected, remove to fresh air and refer to a physician for treatment.

Section 4 First Aid Measures

If exposed to fumes from overheating, move to fresh air. Consult a physician if symptoms persist.
Wash skin with soap and plenty of water.
Flush eyes with water. Consult a physician if symptoms persist.
If molten ABS contacts skin, cool rapidly with cold water. Do not attempt to peel material from skin. Obtain medical attention to thermal burn.

Section 5 Fire Fighting Measures

Flash ignition temperature: 730-750 F
Unusual fire, explosion hazards: Dust generated during grinding, handling or storage can pose an explosion hazard. When processed at temperatures below 450F, no significant decomposition products occur.
Maintain adequate ventilation in all process areas.

Hazardous combustion products: When burned, ABS produces heat and high levels of dense, black smoke containing carbon monoxide and hydrogen cyanide.

Special fire fighting instructions:
ABS has high fuel content, and fires require strenuous efforts to extinguish.
Fire fighters should wear protective clothing and a pressure-demand breathing apparatus, which should be thoroughly cleaned after use.

Extinguishing media:
Water spray, CO2 or Class A foam agent.

Section 6 Accidental Release Measures
Spill or release: Spilled pellets or scrap should be removed from floor areas immediately to provide stable footing.

Section 7 Handling and Storage
Avoid breathing dust and fumes.

Section 8 Exposure Controls/Personal Protection
Eye: Safety glasses are recommended to prevent particulate matter from entering eyes while grinding or machining.
Skin: Protective gloves are required when handling hot polymer. Also, long sleeve cotton shirt and long pants if handling molten polymer.
Ventilation: Local exhaust at processing equipment to assure that particulate levels are kept at recommended levels.
Respirator: None under normal processing if ventilation is adequate.

Section 9 Physical and Chemical Properties
Appearance: Stock shape may be rod, sheet or tube form.
Odour: Essentially odourless.
Melting point:
Solubility in water: Insoluble
Volatile content %:
Specific gravity: >1

Section 10 Stability and Reactivity
Stability at room temperature: Stable.
Materials to avoid:
Conditions to avoid:

Section 11 Toxicological Information
Chronic toxicity: ABS product shapes are harmless.
Medical conditions prone to aggravation by exposure: No data is available which addresses medical conditions that are generally recognized as being aggravated by exposure to this product.
Carcinogenicity:

Section 12 Ecological Information
Aquatic toxicity: Toxicity is expected to be low based on insolubility of polymer in water.

Section 13 Disposal Considerations
Spill or release: Clean up by vacuuming or wet sweeping to minimize dust exposure.
Waste disposal: Recycling is strongly encouraged.

Section 14 Transport Information
Hazard class: NA
Shipping name: NA

Section 15 Regulatory Information

This product contains no known toxic chemicals.

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