



1.	Substance/preparation	Acrylnitrile-butadiene-styrene-copolymer
2.	Composition / Indications to components	Acrylnitrile-butadiene-styrene-copolymer CAS No.: 9003-56-9
3.	Possible dangers	Eyes: Product may cause irritation or injury due to mechanical action. Skin: semi-finished materials don't cause skin irritation.
4.	First-aid measures	Eyes: Remove contact lenses. Flush eyes well with copious quantities of water or normal saline for at least 15 minutes. Seek medical attention, if irritation persists. Skin: Flush skin thoroughly with water. Seek medical attention if rash or burn occurs. Do not try to remove copolymer from skin. Inhalation: Not likely to be inhaled due to physical form.
5.	Fire-fighting measures	Fire Fighting: Approved pressure demand breathing apparatus and protective clothing should be used for all fires. Water spray is the preferred extinguishing medium. This product will melt but will not be carried on the surface of water. Extinguishing Media: Water spray and foam. Water is the best extinguishing medium. Carbon dioxide and dry chemical are not generally recommended because their lack of cooling capacity may permit re-ignition. Hazardous Combustion Products: Hazardous combustion products may include intense heat, dense black smoke, carbon monoxide, carbon dioxide, traces of hydrogen cyanide and hydrocarbon fragments.
6.	Measures in case of unintended release	General: Sweep or gather up material and place in proper container for disposal or recovery.
7.	Handling and storage	Handling: Follow good standard industrial hygiene practices. Apply adequate ventilation directly to the outside air. Do not inhale headspace air from boxes. Avoid the formation of dust. When handling materials containing metal pigments gloves are recommended. Storage: Inert material under normal storage conditions. No special precautions required. Keep dry for optimum processing. To avoid risk of collapse if accidentally exposed to water, do not stack unsupported boxes too high.

<p>8. Limitation of exposition</p>	<p>Engineering Controls: A continuous supply of fresh air to the workplace together with removal of processing fumes through exhaust systems is recommended.</p> <p>Personal Protection:</p> <p>Eye/Face: Wear safety glasses with side shields or chemical goggles should be sufficient for most processing runs.</p> <p>Hand/Skin: Long pants, long sleeves and gloves should be worn when handling hot material.</p> <p>Respiratory: Under normal conditions no special respiratory protection is required, however one recommends with work under increased temperatures without sufficient exhaust, use an approved air-purifying respirator. Do not smoke.</p>
<p>9. Physical and chemical characteristics</p>	<p>Form: Semi-finished material (solid)</p> <p>Colour: grey</p> <p>Smell: none</p> <p>Fusion range: > 140 °C</p> <p>Decomposition temperature: > 450 °C</p> <p>Auto ignition: 508 °C, estimated</p> <p>Solubility in water: insolubly</p>
<p>10. Stability and reactivity</p>	<p>Stability: Stable under recommended conditions of storage and handling.</p> <p>Reactivity: Not reactive under recommended conditions of handling, storage, processing and use.</p> <p>Conditions to avoid: Do not exceed melt temperature recommendations in product literature. In order to avoid Auto ignition/hazardous decomposition of hot thick masses of plastic, purgings should be collected in small, flat shapes or thin strands to allow for rapid cooling and quench in water. Do not allow product to remain in barrel at elevated temperatures for extended periods of time.</p> <p>Hazardous decomposition: Processing fumes evolved at recommended processing conditions may include trace levels of styrene, acrylonitrile, acrolein, acetaldehyde, acetophenone, ethylbenzene, cumene, 4-vinylcyclohexene and phenols.</p>
<p>11. Toxic information</p>	<p>Product acute oral: Oral LD50 (Rat) > 5 g/kg, estimated.</p>
<p>12. Ecological information</p>	<p>General: Not expected to present any significant ecological problems.</p>



13. Waste-disposal information	Waste disposal: Recycling: This product may be recycled either back into original parts or into suitable other applications. Waste disposal: This product is not regarded as hazardous waste. Dispose in accordance with local regulations.
14. Transport information	General: This product is not subject to transport Regulations.
15. Regulation	This product is not considered dangerous under EU Directives 67/548/EEC and 88/379/EEC, as amended.
16. Further information	The information is based on our current knowledge. They are meant to describe our products in respect to safety requirements. They do not represent any guarantee of the described product in the sense of the legal guarantee regulations.