



220A Engelwood Drive, Orion, Michigan 48359 USA  
(Toll Free) 1-877-777-4514 (Intl) 248-845-4515 (Fax) 248-287-4515  
www.PremierPlasticResins.com [info@premierplasticresins.com](mailto:info@premierplasticresins.com)

## Material Safety Data Sheet

### A. Product and company identification.

1. Trade Name: PPR-ABS02
2. Material description: Acrylonitrile Butadiene Styrene Terpolymer Natural
3. Phone number: 1-877-777-4514
4. MSDS number: MSDSABS02

### B. Composition:

| <u>Ingredients</u>              | <u>C.A.S. number</u> | <u>% by weight</u> |
|---------------------------------|----------------------|--------------------|
| Acrylonitrile Butadiene Styrene | 9003-56-9            | 98-100             |
| Residual Acrylonitrile Monomer  | 107-13-1             | < 0.01             |
| Residual Styrene Monomer        | 100-42-5             | < 0.25             |
| Lubricant Package               | 110-30-5             | < 1                |

### C. Hazards Identification:

1. Overview:
  - a. Product is translucent white to off-white or pigmented solid pellets with a slight odor. Spilled material may present a slipping hazard. This product is not classified as a combustible dust, however a combustible concentrate of dust may occur if fines are suspended in air. Avoid contact with strong oxidizing agents.
  - b. This material can begin to decompose at elevated temperatures, producing fumes that can contain carbon dioxide, carbon monoxide and other organic compounds. Adequate ventilation should be insured to minimize exposure.
2. Potential health effects:
  - a. Eyes: Fine particles of dust may cause mechanical irritation. Fumes can cause irritation and redness.
  - b. Skin: This material is not known to cause skin irritation or allergic skin reactions.
  - c. Ingestion: Small amounts are not known to cause injury.
  - d. Inhalation: This material is not expected to be inhaled in pellet form. Fine particles of dust or fumes may cause mechanical irritation to respiratory tract. Prolonged exposure to fumes can cause nausea and headache.
  - e. Contact with molten material: Can burn skin.

### D. First aid measures:

1. Eyes: Flush with water to remove particles of dust. If fumes irritate eyes, remove to fresh air. Get medical attention if irritation persists.
2. Skin: Wash with soap and water.
3. Ingestion: None.
4. Inhalation: If fumes cause irritation, remove to fresh air. Get medical attention, if irritation persists or if breathing becomes difficult.
5. Contact with molten material: Cool under cool water. Do not remove molten material from skin. Get medical attention.

### E. Fire and explosion information:

1. Auto-ignition: 923-950 F
2. Flash point: 730-752 F
3. Explosion data:



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- a. Dust generated during handling can form explosive mixtures in air.
- b. Products stored in gaylords, bulk bins or drums or other non-conductive packaging must be emptied in a non-flammable atmosphere. Failure to do so might cause flash fire due to electrostatic discharge.
4. Fire fighting: Wear self-contained breathing apparatus with a full face-piece operated in pressure-demand or other positive pressure mode and full body protective clothing when fighting fires.
5. Extinguishing media: Regular foam, water fog or carbon dioxide.

F. Handling and storage:

1. Spill measures: Vacuum or sweep material for disposal in accordance with local, state and federal regulations. Recycling of spilled material is recommended. This product is not a hazardous waste under RCRA.
2. Storage guidelines:
  - a. Store in areas with automatic sprinklers.
  - b. Keep containers closed.
  - c. Store in temperature below 140 F.

G. Stability and reactivity:

1. Stability: Stable
2. Reactivity: Strong mineral acids.

H. Physical and chemical properties:

1. Specific gravity: 1.05
2. Odor: sweet aromatic
3. Form: pellet
4. Vapor pressure: NA
5. Solubility in water: none
6. pH: NA
7. Melting point: approximately 350 F
8. Evaporation rate: NA

I. Waste disposal methods:

1. Users must comply with federal, state and local disposal laws when material is discarded.

Disclaimer:

The information contained herein 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 our knowledge and belief to be accurate. No warranty or guarantee is made to its accuracy and completeness. It is the user's responsibility to satisfy himself as to the suitability of such information pertaining to his own particular use.