



SAFETY DATA SHEET

Product:

Acrylonitrile-Styrene Copolymer
Version: 1.3

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Date: 07/14/2020

1. PRODUCT AND COMPANY IDENTIFICATION

PHONE NUMBERS

Emergency Medical (24 HOUR) 886-7-3513911

Emergency Transportation / CHEMTREC (24 HOUR) 886-7-3513911

Other Emergency Information (24 HOUR) 886-7-3513911

Non-Emergency Information 886-7-3513911

PRODUCT IDENTIFICATION

PRODUCT IDENTIFIER : Acrylonitrile-Styrene Copolymer

PRODUCT DESCRIPTION : ---

PRODUCT USE : May be used to produce molded or extruded articles or as a component of other industrial products.

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

- ⊙ Fine particle powder with slight odor or odorless.
- ⊙ Spilled material may create slipping hazard.
- ⊙ Can burn in a fire creating dense toxic smoke.
- ⊙ Molten plastic can cause severe thermal burns.
- ⊙ Fumes produced during melt processing may cause eye, skin, and respiratory tract irritation. Severe over-exposure may result in nausea, headache, chills, and fever.
- ⊙ Secondary operations, such as grinding, sanding, or sawing can produce dust which may present an explosion or respiratory hazard.

HMIS Ratings : Health = 0; Flammability = 1; Reactivity-0, PPE-B

LABEL:NO HAZARD

POTENTIAL HEALTH EFFECTS

INGESTION : No hazard in normal industrial use.

SKIN ABSORPTION : No absorption hazard in normal industrial use.

EYE CONTACT : Can cause mechanical irritation if dusts are generated.

SKIN CONTACT : May cause skin irritation.

CHRONIC/CARCINOGENICITY

NTP : Not Tested.

OSHA : Not Regulated.

IARC : Not Listed.

MEDICAL RESTRICTIONS : There are no known human health effects aggravated by exposure to this product. However, certain sensitive individuals and individuals with respiratory



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impairments may be affected by exposure to components in the processing vapors.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Composition of the substance

Components listed below are physical or health hazards as defined in the Hazard Communication Standard. The quantities represent typical or average values for the materials shown.

<u>Component Name</u>	<u>%</u>	<u>CAS Number</u>	<u>ACGIH TWA</u>
Acrylonitrile -Styrene Copolymer	>99	9003-54-7	None
Additives	<1		

3.2 Additional information:

REACH info.

Substance name	Registration NO.
Acrylonitrile	01-2119474195-34-0050
Styrene	01-2119457861-32-0007

4. FIRST AID MEASURES

Inhalation : In case of gases evolving from melted resin, move subject to fresh air. Treat symptomatically.

Skin : 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.

Eyes : 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 : In case of gases evolving from melted resin, move subject to fresh air. Treat symptomatically.

5. FIRE FIGHTING MEASURES

Fire Fighting : Do not enter fire area without proper protection including self contained breathing apparatus and full protective equipment. Fight fire from a safe distance and a protected location due to the potential of hazardous vapors and decomposition products.



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Extinguishing Media : Water spray, foam and dry chemical powders.

Hazardous Combustion Products : Intense heat, smoke, carbon dioxide, carbon monoxide, hydrocarbon fragments.

Conditions of Flammability : Requires a continuous flame source to ignite

6. ACCIDENTAL RELEASE MEASURES

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.

Methods for Cleaning up : Recovery if not contaminated or Disposal.

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 : Store between 5~55°C, avoid direct sunlight, rain and violent temperature fluctuation. Fire is inhibited around storage regions.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls : A continuous supply of fresh air to the workplace together with removal of processing fumes through exhaust systems is recommended. Processing fumes condensate may be a fire hazard and toxic; remove periodically from exhaust hoods, duct work, and other surfaces using appropriate personal protection. Local ventilation requirements must be determined to limit exposure to processing fumes in the workplace.

Personal Protection

Eye/Face : Wear safety glasses with side shields or chemical goggles. In addition, use full face shield when cleaning processing fume condensates from hoods, ducts, and other surfaces.

Skin : When handling pellets or powder, avoid prolonged or repeated contact with skin. Wear long pants, long sleeves, well insulated gloves, and a face shield during melt processing.

Appropriate clothing-including chemical resistant gloves-should be worn to prevent



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contact with processing fumes condensate.

Respiratory : When using this product at elevated temperatures, implement engineering systems, administrative controls, or a respiratory protection program (including a respirator approved for protection from organic vapors, acid gases, and particulate matter) if processing fumes are not adequately controlled or operators experience symptoms of overexposure. If dust or powder are produced from secondary operations such as sawing or grinding, use a respirator approved for protection from dust.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical form : Granules

Odor : Odorless

Boiling point : Not applicable

Softening point : >95°C

SPECIFIC GRAVITY : Approx. 1.06

Lower explosion limit : None

Solubility in water : Insoluble in water

Evaporation rate : None

pH : Not applicable

Vapor pressure : None

Vapor density : None

10. STABILITY AND REACTIVITY

Stability : According to common operating and storage procedure, this is a stable material

Reactivity : Not reactive under recommended conditions of handling, storage, processing and use.

Decomposition products : CO、HCN、NO and some original monomer such as SM and AN.

11. TOXICOLOGICAL INFORMATION

Irritation : Fumes or vapors generated from decomposing resin may be irritant to eyes.

Acute toxicity : No data available.

Mutagenicity : No data available.

12. ECOLOGICAL INFORMATION

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



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inhibited.

13. DISPOSAL INFORMATION

Suitable incineration or landfill. Inadequate incineration may generate toxic gases such as CO、HCN、AN and SM.

14. TRANSPORTATION INFORMATION

Not Classification.

15. REGULATORY INFORMATION

TOXIC SUBSTANCES CONTROL ACT(TSCA): This product is in compliance with all rules and orders of TSCA.

WHMIS PRODUCT CLASSIFICATION : Not a controlled product.

16. OTHER INFORMATION

Prepared by : Product Stewardship

DISCLAIMER : This Safety Data Sheet [SDS] information is provided based on the Hazard Communication Regulations for your region or country and for the use of the persons required to receive this information under those regulations. The information is neither designed nor recommended for any other use or for use by any other person, including for compliance with other laws. Does not warrant the suitability for use of this MSDS for any other material or product not specifically identified herein. Does not warrant the accuracy or authenticity of this MSDS unless it has been obtained directly from GPPC, or posted or viewed on a website. Modification of this MSDS, unless specifically authorized by GPPC, is strictly prohibited. This MSDS is based on information which is believed to be reliable, but may be subject to change as new information becomes available. Because it is not possible to anticipate all conditions of use, additional safety precautions may be required. Each user should read and understand this information and incorporate it into individual site safety programs as required by applicable hazard communication standards and regulations.