

Copolymer Polypropylene

Safety Data Sheet



1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: Star Resin CoPP 90900

Synonyms: propene-ethene copolymer, PP-CP

Product Code: CoPP

CAS Number: 9010-79-1

Product Use: Resin, extrusion and compounding, plastic molding, molded articles, films & coatings

Company Identification: MGI INTERNATIONAL, LLC
1121 Walt Whitman Rd, Suite #301, Melville, NY 11747 Phone (631) 629-4520

2. HAZARDS IDENTIFICATION

Hazard Classification:

The product is not classified according to the Globally Harmonized System (GHS) for classification and labeling of chemicals.

GHS Classification - Combustible dust

Other Hazards:

Molten material may cause thermal burns.

Product is supplied as pellets. If product is milled or ground, dust may form an explosive atmosphere when dispersed in air.

Signal Word: Not Applicable

NFPA Ratings (scale 0 - 4):

Health = 0

Fire = 1

Reactivity = 0

3. COMPOSITION INFORMATION

Substances:

CAS No. Description

9010-79-1 propylene-ethylene copolymer (>99%)

4. FIRST-AID MEASURES

General information: Provide symptomatic and supportive care.

After Inhalation:

Remove victim to fresh air.



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Safety Data Sheet



4. FIRST-AID MEASURES (cont.)

Administer oxygen if breathing is difficult.
Administer artificial respiration if breathing has stopped.
Get medical assistance if irritation or other symptoms develop.

After Skin Contact:

After contact with the molten product, cool rapidly with cold water.
Do not pull solidified product away from the skin.
Get medical attention.

After Eye Contact:

In case of accidental contact, immediately flush eyes with water.
Hold eyelids open to ensure adequate flushing.
Get medical assistance if irritation or other symptoms develop.

After Swallowing:

Administer 1-2 glasses of water to dilute ingested material.
Never give anything by mouth to an unconscious person.
Get medical attention.

Most Important Symptoms and Effects: No further relevant information available

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Agents:

CO₂, extinguishing powder or water spray. Fight larger fires with water spray.

Special Firefighting Hazards:

Product is supplied as pellets. If product is milled or ground, dust may form an explosive atmosphere when dispersed in air.

Protective Equipment:

In the event of a fire, wear a NIOSH (USA) or CEN (EU) approved self-contained breathing apparatus (SCBA) and full protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:

Avoid dust formation.
Wear appropriate personal protective equipment during all clean-up activities. See Section 8 for more information.

Environmental Precautions: Keep spilled material out of sewage/drainage systems and waterways.

Methods for Containment and Clean-Up:

Collect spilled material mechanically.
Place waste in an appropriate container for disposal

Copolymer Polypropylene

Safety Data Sheet



7. HANDLING AND STORAGE

Precautions for Safe Handling:

Avoid dust formation.

Any deposit of dust that cannot be avoided must be regularly removed.

Use only in well ventilated areas.

Protection Against Fires and Explosions: Dust can combine with air to form an explosive mixture.

Conditions for Safe Storage:

Store in closed, properly labeled containers.

Protect containers from heat, physical damage, ignition sources and incompatible materials.

Have emergency equipment for fire and spills readily available.

Specific End Uses: Resin, extrusion and compounding, plastic molding, molded articles, films and coatings.

Additional Information:

If you do not understand the hazards or safety precautions described in this data sheet, contact your supervisor or safety administrator before handling this product.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits:

Use occupational exposure limits for dust when controlling exposure to this product.

9010-79-1 propylene-ethylene copolymer

PEL (USA) Eight-Hour Value: 15*, 5** mg/m³

*as total dust; **as respirable dust

TLV (USA) Eight-Hour Value: 10*, 3** mg/m³

*as inhalable dust; **as respirable dust

Exposure Controls: None required under normal conditions of use.

General Protective and Hygienic Measures: Wash thoroughly after handling.

Respiratory Protection: None required under normal conditions of use.

Hand Protection: Work glove

Eye/Face Protection: Safety glasses with side shields.

Body Protection: Protective work clothing

Additional Information:

If unusual exposures are expected, an industrial hygiene review of work practices, engineering controls and personal protective equipment is recommended.



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9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Pellets
Color	White
Odor	Odorless
Odor Threshold	Not applicable.
pH value	Not determined
Melting point/range	130 oC (266 F)
Boiling point/boiling range	Not determined
Flash point	422 oC (792 F)
Autoignition Temperature	425 oC (797 F)
Decomposition Temperature	Not determined
Upper explosion limit (UEL)	Not determined
Lower explosion limit (LEL)	Not determined
Vapor Pressure	Not determined
Density at 20 oC (68 F)	0.9 g/cm ³ (7.511 lbs/gal)
Vapor Density	Not applicable
Evaporation Rate	Not applicable
Solubility in water	Insoluble
Partition coefficient:	n-octanol/water Not determined
Viscosity	Not determined

10. STABILITY AND REACTIVITY

Chemical Stability/Reactivity: Stable under anticipated conditions of use.

Conditions to Avoid: Stable up to melting point.

Possibility of Hazardous Reactions/Incompatible Materials: No dangerous reactions known.

Hazardous Decomposition Products: No dangerous decomposition products known.

11. TOXICOLOGICAL INFORMATION

Hazard Class	Conclusion / Remarks
Acute Oral Toxicity:	Not classified
Acute Inhalation Toxicity:	Not classified
Acute Dermal Toxicity:	Not classified
Skin corrosion/irritation:	Not a skin irritant.
Respiratory or skin sensitization	Not classified

Eye

Serious Eye Damage/Irritation: Not an eye irritant. Mechanical irritation is possible.

Chronic Toxicity

Germ Cell Mutagenicity: Not classified
Carcinogenicity: Not classified — Not listed by IARC, NTP, OSHA or EPA.



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11. TOXICOLOGICAL INFORMATION (cont.)

Reproductive Toxicity:

Effects on fertility / Effects on
or via lactation:

Not expected to be a reproductive toxicant.

Effects on Development:

Not classified.

Lactation:

Not expected to cause harm to breast-fed children.

**Target Organ Systemic Toxicant -
Single exposure:**

The substance or mixture is not classified as specific
target organ toxicant, single exposure.

**Target Organ Systemic Toxicant -
Repeated exposure:**

The substance or mixture is not classified as specific target organ toxicant,
repeated exposure.

Aspiration hazard:

Not applicable

12. ECOLOGICAL INFORMATION

The information given is based on data available for the material, the components of the material, and similar materials.

ECOTOXICITY

Material -- Not expected to be harmful to aquatic organisms.

Material -- Not expected to be harmful to terrestrial organisms.

PERSISTENCE AND DEGRADABILITY

Biodegradation: Not expected to be biodegradable.

Mobility in soil: No data available.

BIOACCUMULATION POTENTIAL

This material is not expected to bioaccumulate.

Additional ecological information: Ecotoxicity is expected to be minimal based on the low water solubility of polymers.

13. DISPOSAL CONSIDERATIONS

Disposal recommendations based on material as supplied. Disposal must be in accordance with current applicable laws and regulations, and material characteristics at time of disposal.

Waste treatment methods

All recovered material should be packaged, labeled, transported and disposed of or reclaimed in conformance with applicable laws and regulations and in conformance with good engineering practices. Reclaim where possible. Recycle if possible. This material is classified as a Non-hazardous Material by RCRA.



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14. TRANSPORT INFORMATION

UN Number:

DOT, ADR, IMDG, IATA Not Applicable

UN Proper Shipping Name:

DOT, ADR, IMDG, IATA Not Applicable

Transport Hazard Class(es):

DOT, ADR, IMDG, IATA

Class: Not Applicable

Packing Group:

DOT, ADR, IMDG, IATA Not Applicable

Environmental Hazards: Not applicable.

Additional Information:

DOT:

Remarks: This product is not regulated as a hazardous material/dangerous good for transportation.

15. REGULATORY INFORMATION

U.S. Superfund Amendments & Reauthorization Act (SARA) 355 (Extremely Hazardous Substances):
Substance is not listed.

U.S. Superfund Amendments & Reauthorization Act (SARA) 313 (Specific Toxic Chemical Listings):
This material contains no chemicals subject to the supplier notification requirements of the SARA 313 Toxic Release Program.

U.S. Toxic Substances Control Act (TSCA): Substance is listed.

Canadian Domestic Substances List (DSL): Substance is listed.

Container Labeling According to Regulation (EC) No 1272/2008: Not Applicable

Hazard Pictograms: Not Applicable

Signal Word: Not Applicable

Hazard Statements: Not Applicable

Other Hazards: Molten material may cause thermal burns.

Product is supplied as pellets. If product is milled or ground, dust may form an explosive atmosphere when dispersed in air.

Directive 2012/18/EU Major Accident Hazards Involving Dangerous Substances:
Annex 1 Named Dangerous Substances: Substance is not listed.



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16. OTHER INFORMATION

DISCLAIMER

Caution do not use StarResin Plastics materials in applications involving implantation within the body direct or indirect contact with the blood pathway, contact with bone tissue fluid, blood or prolonged contact with mucus membranes. StarResin Plastics materials are not designed or manufactured for use in implantation in the human body or in contact with internal body fluids or tissues. StarResin Plastics will not provide to customers making devices for such applications any notice, certification or information necessary for such medical device use required by FDA regulation or any other statute. StarResin Plastics makes no representation, promise, express warranty or implied warranty concerning the suitability of these materials for use in implantation in the human body or in contact with internal body tissues or fluids.

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