



# Safety Data Sheet

Revision Date: 03/12/2026

In accordance with Regulation (EC) No 1907/2006 (REACH), as amended by Regulation (EU) 2020/878

## Polypropylene Random Copolymer

### Section 1. Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

**Product Identity:** Polypropylene Random Copolymer  
**Product Description:** Polyolefin Copolymer.

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Intended Uses and Uses Advised Against:** Industrial applications.

#### 1.3. Details of the supplier of the safety data sheet

**Company Name:** Non-EU manufacturer:  
Heartland Petrochemical Complex Limited Partnership  
#3200 215 2nd Street SW  
Calgary, Alberta T2P 1M4  
  
The non-EU manufacturer has appointed ERM GmbH as the Only Representative in accordance with Article 8 of Regulation (EC) No 1907/2006 (REACH).

**Customer Service:** 1-877-595-2320

#### 1.4. Emergency telephone number

**Emergency**  
**24-hour Emergency Telephone No.** 1-403-932-8510

### Section 2. Hazard Identification of the product

#### Emergency Overview

WARNING! MAY FORM COMBUSTIBLE DUST CONCENTRATIONS IN AIR (DURING PROCESSING)

#### 2.1. Classification of the substance or mixture

**Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]**

No applicable CLP categories.

#### 2.2. Label elements

**According to REGULATION (EU) 2020/878 amending Regulations EU 2015/830 and (EC) No 1907/2006**

No applicable CLP categories.

#### 2.3. Other hazards

This product contains no PBT/vPvB/vPvM chemicals.

This product contains no endocrine disrupting chemicals.

May form combustible dust concentrations in air.

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### Section 3. Composition/information on ingredients

#### 3.2. Mixtures

If the product contains substances that present a hazard according to Regulation (EC) No. 1272/2008 [CLP/GHS], they are listed below.

Ingredient/Chemical Designations	Weight %	EC No. 1272/2008 Classification	Notes
Polypropylene CAS Number: 9003-07-0 EC No. 618-352-4	85 -100	Combustible Dust	---
Ethylene-Propylene polymer CAS Number: 9010-79-1 EC No. 618-455-4	4 - 7	Not Classified	---

<sup>^</sup>CLP<sup>31</sup> Reference EC No. 1272/2008 1.1.3.1. Notes relating to the identification, classification and labelling of substances (Table 3.1).

\*PBT/vPvB - PBT, vPvM or vPvB-substance.

The full texts of the phrases are shown in Section 16.

### Section 4. First aid measures

#### 4.1. Description of first aid measures

<b>General</b>	In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
<b>Inhalation</b>	Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious, place in the recovery position and obtain immediate medical attention. Give nothing by mouth.
<b>Eye</b>	Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seeking medical attention.
<b>Skin</b>	Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.
<b>Ingestion</b>	If swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

#### 4.2. Most important symptoms and effects, both acute and delayed

<b>Overview</b>	No specific symptom data available. Treat symptomatically.
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#### 4.3. Indication of any immediate medical attention and special treatment needed

<b>Notes to physician</b>	Treat symptomatically.
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### Section 5. Fire-fighting measures

#### 5.1. Extinguishing media

Suitable Extinguishing Media: Small Fire: Dry chemical, CO<sub>2</sub>, water spray or regular foam. Flood with water. Apply extinguishing media carefully to avoid creating airborne dust.

Large Fire: Water spray, fog or regular foam. Move containers from fire area if you can do it without risk.

Unsuitable Extinguishing Media: Not available.

#### 5.2. Special hazards arising from the substance or mixture

Hazardous decomposition: Decomposition products depend on temperature, exposure to air, and the presence of other substances. Processing may release irritating fumes, olefinic and paraffinic compounds, carbon monoxide, and carbon dioxide. Potential thermal decomposition products include trace aldehydes (including formaldehyde), alcohols, organic acids, and hydrocarbons.

**Explosion:** Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

#### 5.3. Advice for fire-fighters

Fire may produce irritating, and/or toxic gases and dense smoke. Runoff from fire control or dilution of water may cause pollution. Wear positive pressure self-contained breathing apparatus (SCBA). Structural firefighters' protective clothing will only provide limited protection. Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

Dust explosions are possible.

### Section 6. Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

Put on appropriate personal protective equipment (see section 8).

Dust Deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration.

Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air).

No sparking tools should be used.

#### 6.2. Environmental precautions

**Explosion:** Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

Do not allow spills to enter drains or waterways.

Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

#### 6.3. Methods and material for containment and cleaning up



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Do not flush to sewer or allow to enter waterways. Use explosion-proof equipment. Dust can be a fire or explosion hazard. Sweep up and shovel into suitable containers for disposal. Cleaning methods (e.g. compressed air) which can generate potentially combustible dust clouds should not be used.

### 6.4 Reference to other sections

See Section 1 for emergency contact information.

See Section 8 for information on appropriate personal protective equipment.

See Section 13 for additional waste treatment information.

## Section 7. Handling and storage

### 7.1. Precautions for safe handling

Prevent release to the environment. Avoid pellet/fines loss, collect spills by dry methods (sweep/vacuum). Do not wash into drains. Handle containers carefully to prevent damage and spillage.

Minimize dust generation and accumulation. Airborne dust is potentially explosive. Avoid significant deposits of material, especially on horizontal surfaces, which may become airborne and form combustible dust clouds and may contribute to secondary explosions. Handling and processing operations should be conducted in accordance with 'best practices'. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. To avoid fire or explosion, ground and bond container and receiving equipment (and ground personnel) before transferring material. Do not swallow. See Section 8 for information on Personal Protective Equipment..

### 7.2. Conditions for safe storage, including any incompatibilities

Routine housekeeping should be instituted to ensure that dust does not accumulate on surfaces. Store away from incompatible materials. See Section 10 for information on Incompatible Materials. Keep out of the reach of children.

Minimize dust generation and accumulation. Routine housekeeping should be instituted to ensure that dust does not accumulate on surfaces. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres.

Incompatible materials: Strong acids. Strong oxidizers. Chlorine. Chlorinated solvents.

### 7.3. Specific end use(s)

No data available.

## Section 8. Exposure controls / personal protection

### 8.1. Control parameters

#### Exposure

CAS No.	Ingredient	Source	Value
9003-07-0	Polypropylene	ACGIH	No Established Limit
		DNEL Local Exposure	No Established Limit
		DNEL Systematic Exposure	No Established Limit
		National	No Established Limit
9010-79-1	Ethylene-Propylene polymer	ACGIH	No Established Limit

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		DNEL Local Exposure	No Established Limit
		DNEL Systematic Exposure	No Established Limit
		National	No Established Limit

The exposure limits for nuisance dust are: OSHA PEL: 15 mg/m<sup>3</sup> (50 mppcf\*) TWA, ACGIH 10 mg/m<sup>3</sup>.

**8.2. Exposure controls**



**Respiratory**

If engineering controls and ventilation are not sufficient to control exposure to below the allowable limits then an appropriate air-purifying respirator with particulate filter, or self-contained breathing apparatus must be used.

**Eyes**

Wear safety glasses. Indirect vented, dust-tight goggles are required if dust is generated when handling this product. Use equipment for eye protection according to European Standard EN 166.

**Skin**

Protective gloves recommended.

**Engineering Controls**

It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling of this product contain explosion relief vents or an explosion suppression system or an oxygen-deficient environment. Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment). Use explosion-proof electrical, ventilating, and lighting equipment.

**Other Work Practices**

Handle according to established industrial hygiene and safety practices. Consult a competent industrial hygienist to determine hazard potential and/or the PPE manufacturers to ensure adequate protection. Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Avoid dispersal of dust in the air. Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

**Section 9. Physical and chemical properties**

**9.1. Information on basic physical and chemical properties**

**Physical State**

Solid

**Color**

Granular white to off-white, Solid Pellet or Flakes.

**Odor**

Odourless

**Melting point / freezing point**

Not Measured



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Initial boiling point and boiling range	Not Measured
Flammability (solid, gas)	Not Applicable
Upper/lower flammability or explosive limits	<b>Lower Explosive Limit:</b> Not Measured <b>Upper Explosive Limit:</b> Not Measured
Flash Point	Not Measured
Auto-ignition temperature	Not Measured
Decomposition temperature	Not Measured
pH	Not Measured
Viscosity (cSt)	Not Measured
Solubility in Water	Insoluble in Water.
Partition coefficient n-octanol/water (Log Kow)	Not Measured
Vapor pressure (Pa)	Not Measured
Relative Density	0.84 to 1 (Water = 1)
Vapor Density	Not Measured
Evaporation rate (Ether = 1)	Not Measured
VOC Content	Not Measured

### 9.2. Other information

Fine dust generated during handling or processing may form an explosive mixture with air. Avoid dust accumulation and ignition sources.

## Section 10. Stability and reactivity

### 10.1. Reactivity

Hazardous Polymerization will not occur.

### 10.2. Chemical stability

Stable under normal circumstances.

### 10.3. Possibility of hazardous reactions

No data available.

### 10.4. Conditions to avoid

Contact with incompatible materials. Sources of ignition. Overheating.

### 10.5. Incompatible materials

Strong acids. Strong oxidizers. Chlorine. Chlorinated solvents.

### 10.6. Hazardous decomposition products

Decomposition products depend on temperature, exposure to air, and the presence of other substances. Processing may release irritating fumes, olefinic and paraffinic compounds, carbon monoxide, and carbon dioxide. Potential thermal decomposition products include trace aldehydes (including formaldehyde), alcohols, organic acids, and hydrocarbons.

## Section 11. Toxicological information



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### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Acute toxicity

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapour LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
Polypropylene - (9003-07-0)	No data available.	No data available.	No data available.	No data available.	No data available.
Ethylene-Propylene polymer - (9010-79-1)	No data available.	No data available.	No data available.	No data available.	No data available.

Classification	Category	Hazard Description
Acute toxicity (oral)	---	---
Acute toxicity (dermal)	---	---
Acute toxicity (inhalation)	---	---
Skin corrosion/irritation	---	---
Serious eye damage/irritation	---	---
Respiratory sensitization	---	---
Skin sensitization	---	---
Germ cell mutagenicity	---	---
Carcinogenicity	---	---
Reproductive toxicity	---	---
STOT-single exposure	---	---
STOT-repeated exposure	---	---
Aspiration hazard	---	---

### 11.2 Information on other hazards

#### 11.2.1. Endocrine disrupting properties

This product contains no endocrine disrupting chemicals.

## Section 12. Ecological information

### 12.1. Toxicity

No additional information provided for this product. See Section 3 for chemical specific data.

#### Aquatic Ecotoxicity



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Ingredient	96 hr LC50 fish, mg/L	48 hr EC50 crustacea, mg/L	ErC50 algae, mg/L	3hr IC50 Bacteria mg/L	Biodegradability %
Polypropylene - (9003-07-0)	No data available.	No data available.	No data available.	---	---
Ethylene-Propylene polymer - (9010-79-1)	No data available.	No data available.	No data available.	---	---

### 12.2. Persistence and degradability

There is no data available on the preparation itself.

### 12.3. Bioaccumulative potential

Not Measured

### 12.4. Mobility in soil

No data available.

### 12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB/vPvM chemicals.

### 12.6 Endocrine disrupting properties

This product contains no endocrine disrupting chemicals.

### 12.7. Other adverse effects

No data available.

## Section 13. Disposal considerations

### 13.1. Waste treatment methods

Do not discharge into drains or surface waters. Prevent the loss of pellets or fines during handling, storage, transport, and disposal. Dispose of material through a licensed waste contractor in accordance with local regulations. This substance may also be suitable for recycling. Maintain records and identify potential sources of synthetic polymer microparticle (SPM) emissions during handling and transportation and implement appropriate measures to minimize releases to the environment.

## Section 14. Transport information

	ADR/RID	IMO / IMDG (Ocean Transportation)	ICAO/IATA
14.1. UN number	Not Regulated	Not Regulated	Not Regulated
14.2. UN proper shipping name	Not Regulated	Not Regulated	Not Regulated
14.3. Transport hazard class(es)	<b>DOT Hazard Class:</b> Not Applicable <b>Sub Class:</b> Not Applicable	<b>IMDG:</b> Not Applicable <b>Sub Class:</b> Not Applicable	<b>Air class:</b> Not Applicable <b>Sub Class:</b> Not Applicable
14.4. Packing group	Not Applicable	Not Applicable	Not Applicable
14.5. Environmental hazards	Marine Pollutant: No;		



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### 14.6. Special precautions for user

Not Applicable

### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not Applicable

## Section 15. Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific to the substance or mixture

#### EU Legislation

##### Regulation (EC) No 1907/2006 (REACH):

Registration (Title II): This product is a polymer and is not subject to the registration obligation under title II of REACH in accordance with Article 2(9). Registration obligations under Article 6(3) may apply to the monomer substance(s) and other substances chemically bound in the polymer where their content in the polymer is at least 2% (w/w) and the total quantity imported is at least 1 tonne per year.

For EU imports from Heartland Polymers, importer obligation under REACH are fulfilled via the appointed Only Representative, ERM GmbH (Article 8)

**REGULATION (EC) 1272/2008** on the classification, labeling and packaging of substances and mixtures (CLP).

**Candidate List of SVHC for Authorization:** Not Applicable

##### REACH Annex XVII – (Restrictions)

Number on list: 78 (Synthetic Polymer Microparticles)

SPM polymer identity (generic): Polymers of propylene or of other olefins, in primary forms synthetic polymer microparticles (SPM) content: 90 – 100% (w/w).

For instructions on handling and disposal of waste material, please see section 7 and 13.

### 15.2. Chemical Safety Assessment

No Chemical Safety Assessment has been carried out.

## Section 16. Other information

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**Revision Number** 2

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

Refer to NFPA 654, Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids, for safe handling.

The full text of the phrases appearing in section 3 is:

Not Applicable



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ACGIH - American Conference of Governmental Industrial Hygienists  
ADR - International Carriage of Dangerous Goods by Road (Accord Dangereux Routier)  
CAS - Chemical Abstract Service  
CLP - Classification Labeling and Packaging  
EC50 - Half maximal effective concentration  
ErC50 - The concentration of test substance which results in a 50 percent reduction in growth rate (ErC50) relative to the control within 72hrs exposure.  
GHS - Globally Harmonized System  
IARC - International Agency for Research on Cancer  
IATA - International Civil Aviation Organization  
IC50 - The amount of a substance suspended in the air required to kills 50% of a test animals during a predetermined observation period.  
ICAO - International Civil Aviation Organization  
IMDG - International Maritime Dangerous Goods  
IMO - International Maritime Organization  
LC50 - Is the Lethal Concentration of a substance at which 50% of test animals die.  
LD50 - Is the Lethal Dose at which 50% of the animals will be expected to die.  
NIOSH - National Institute for Occupational Safety and Health  
NTP - National Toxicology Program  
OSHA - Occupational Safety and Health Administration  
PBT - Persistent, Bioaccumulative and Toxic Chemicals  
PEL - Permissible Exposure Limit  
REACH - Registration, Evaluation, Authorization and Restriction of Chemicals  
RID - Regulations concerning the international carriage of dangerous goods by rail)  
STEL - Short Term Exposure Limit  
TWA - Time Weighted Average  
vPvB - Very Persistent and very Bio-accumulative  
WGK - Water Hazard Class

Other information:

**Only Representative for EU REACH:**

ERM GmbH  
Bruesseler Str. 1 – 3  
60327 Frankfurt  
Germany  
REACH-OR.de@erm.com

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