# Polypropylene Polymer

Safety Data Sheet

according to US HazCom 2012

Issue date: 22 March 2017 Revision date: 05 April 2024 Supersedes: 26 October 2021 Version: 1.2

## SECTION 1: Identification

### 1.1. Identification

Product form : Substance

Trade name : Polypropylene Polymer

### 1.2. Recommended use and restrictions on use

Use of the substance/mixture : Manufacture of plastic articles

### 1.3. Supplier

Shaw Polymers, LLC
400 N. Indiana Ave.
Crown Point, IN, 46307
T 219-779-9450
www.shawpolymers.com

### 1.4. Emergency telephone number

Emergency number : 1-888-898-7249

## SECTION 2: Hazard(s) identification

### 2.1. Classification of the substance or mixture

**GHS US classification**

Combustible Dust — May form combustible dust concentrations in air

### 2.2. GHS Label elements, including precautionary statements

**GHS US labeling**

Signal word (GHS US) : Warning

Hazard statements (GHS US) : May form combustible dust concentrations in air

### 2.3. Other hazards which do not result in classification

No additional information available

### 2.4. Unknown acute toxicity (GHS US)

No additional information available

## SECTION 3: Composition/Information on ingredients

Name : Polypropylene

| Name | Product identifier | % | GHS US classification |
|---|---|---|---|
| 1-Propene, homopolymer | CAS-No.: 9003-07-0** | 100 | Not classified |

**This material may contain the following CAS number: 9010-79-1, 29160-13-2, 25895-47-0, 115-07-1, 74-98-6, 9002-88-4, and 14807-96-6.

### 3.2. Mixtures

Not applicable

## SECTION 4: First-aid measures

### 4.1. Description of first aid measures

First-aid measures after inhalation : Allow victim to breathe fresh air. Allow the victim to rest. Get medical advice/attention if you feel unwell.

First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.

First-aid measures after eye contact : Rinse immediately with plenty of water. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Get medical advice/attention if you feel unwell.

### 4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after inhalation : Dust from this product may cause respiratory irritation.

Symptoms/effects after skin contact : Not expected to present a significant skin hazard under anticipated conditions of normal use. Heated product causes burns.

Symptoms/effects after eye contact : Not expected to present a significant eye contact hazard under anticipated conditions of normal use. Heated product causes burns.

Symptoms/effects after ingestion : Not expected to present a significant ingestion hazard under anticipated conditions of normal use. Heated product causes burns.

### 4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

## SECTION 5: Fire-fighting measures

### 5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray.

Unsuitable extinguishing media : Do not use a heavy water stream.

### 5.2. Specific hazards arising from the chemical

Fire hazard : High concentrations of dust or fine particulate in enclosed spaces may represent a fire/explosion risk.
. On combustion forms: Aldehydes. Alcohols. Organic acids. Hydrocarbons. Carbon oxides (CO, CO2). Formaldehyde. Toxic fumes.

Explosion hazard : Dust may form explosive mixture in air.

Reactivity in case of fire : None known.

### 5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

## SECTION 6: Accidental release measures

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

#### 6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

#### 6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Ventilate area.

### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

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

Methods for cleaning up : On land, sweep or shovel into suitable containers. Minimize generation of dust. Store away from other materials.

### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection. For disposal of residues refer to section 13 : "Disposal considerations".

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Provide good ventilation in process area to prevent formation of vapor.
Hygiene measures : Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Handle in accordance with good industrial hygiene and safety practice.

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

Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Heat sources. Keep container closed when not in use.
Incompatible materials : Strong oxidizing agents.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

| **Ethylene-Hexene Copolymer (25213-02-9)** | |
|---|---|
| **USA - ACGIH - Occupational Exposure Limits** | |
| ACGIH OEL TWA | 10 mg/m³ Total dust |
| **USA - OSHA - Occupational Exposure Limits** | |
| OSHA PEL STEL | 15 mg/m³ Total dust |

| **Talc (Mg3H2(SiO3)4) (14807-96-6)** | |
|---|---|
| **USA - ACGIH - Occupational Exposure Limits** | |
| Local name | Talc |
| ACGIH OEL TWA | 2 mg/m³ (Containing no asbestos fibers. E - The value is for particulate matter containing no asbestos and < 1 % crystalline silica, R - Respirable particulate matter)<br>2 mg/m³ (Containing asbestos fibers. R - Respirable particulate matter) |
| | 0.1 fibers/cm³ (Containing asbestos fibers. F - Respirable fibers) |
| Remark (ACGIH) | Containing no asbestos fibers = TLV® Basis: Pulm fibrosis; pulm func. Notations: A4<br>Containing asbestos fibers = TLV® Basis: Pneumoconiosis; lung cancer; mesothelioma. Notations: A1 (Confirmed Human Carcinogen) |
| ACGIH chemical category | Not Classifiable as a Human Carcinogen containing no asbestos fibers |
| Regulatory reference | ACGIH 2024 |
| **USA - OSHA - Occupational Exposure Limits** | |
| Local name | Talc (not containing asbestos) (Silicates (less than 1% crystalline silica)) |

| Talc (Mg3H2(SiO3)4) (14807-96-6) | |
|---|---|
| OSHA PEL TWA | 20 mppcf (if 1% Quartz or more, use Quartz limit) |
| | 20 mppcf |
| Remark (OSHA) | Table Z-3. CAS No. source: eCFR Table Z-1. |
| Regulatory reference (US-OSHA) | OSHA Annotated Table Z-3 Mineral Dusts |
| **USA - IDLH - Occupational Exposure Limits** | |
| IDLH | 1000 mg/m³ (containing no asbestos and <1% quartz) |
| **USA - NIOSH - Occupational Exposure Limits** | |
| NIOSH REL TWA | 2 mg/m³ (containing no Asbestos and <1% Quartz-respirable dust) |

### 8.2. Appropriate engineering controls

Appropriate engineering controls : Provide adequate ventilation. Provide local exhaust or general room ventilation to minimize vapor concentrations.

### 8.3. Individual protection measures/Personal protective equipment

**Hand protection:**

Not required for normal conditions of use. Use heat-protective gloves when handling product at elevated temperatures.

**Eye protection:**

Chemical goggles or safety glasses

**Skin and body protection:**

Not required for normal conditions of use. Wear heat resistant boots and protective clothing when handling material at elevated temperatures.

**Respiratory protection:**

Use a properly fitted, air-purifying or air-fed respirator if necessary

**Other information:**
Do not eat, drink or smoke during use.

## SECTION 9: Physical and chemical properties

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

| | | |
|---|---|---|
| Physical state | : | Solid |
| Appearance | : | Pellets. Flakes. Granular solid. Powder. |
| Color | : | Clear translucent White yellowish |
| Odor | : | Faint odor |
| Odor threshold | : | No data available |
| pH | : | No data available |
| Melting point | : | 120 – 170 °C |
| Freezing point | : | No data available |
| Boiling point | : | No data available |
| Flash point | : | No data available |
| Relative evaporation rate (butyl acetate=1) | : | No data available |
| Flammability (solid, gas) | : | No data available |
| Vapor pressure | : | No data available |
| Relative vapor density at 20°C | : | No data available |
| Relative density | : | No data available |
| Density | : | 0.85 – 0.965 g/cm³ |

| | | |
|---|---|---|
| Solubility | : | Insoluble in water. |
| Partition coefficient n-octanol/water (Log Pow) | : | No data available |
| Auto-ignition temperature | : | > 340 °C |
| Decomposition temperature | : | > 300 °C |
| Viscosity, kinematic | : | No data available |
| Viscosity, dynamic | : | No data available |
| Explosion limits | : | No data available |
| Explosive properties | : | No data available |
| Oxidizing properties | : | No data available |

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

None known.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

### 10.5. Incompatible materials

Strong oxidizing agents.

### 10.6. Hazardous decomposition products

Aldehydes. Alcohols. Organic acids. Hydrocarbons. Carbon oxides (CO, CO2). Formaldehyde. Toxic fumes.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

| | | |
|---|---|---|
| Acute toxicity (oral) | : | Not classified (Based on available data, the classification criteria are not met) |
| Acute toxicity (dermal) | : | Not classified (Based on available data, the classification criteria are not met) |
| Acute toxicity (inhalation) | : | Not classified (Based on available data, the classification criteria are not met) |

| Ethene, homopolymer (9002-88-4) | |
|---|---|
| LD50 oral rat | > 8 g/kg (Source: NLM_HSDB) |
| LC50 Inhalation - Rat (Dust/Mist) | 75.5 mg/l Source: RTECS |

| | | |
|---|---|---|
| Skin corrosion/irritation | : | Not classified (Based on available data, the classification criteria are not met) |
| Serious eye damage/irritation | : | Not classified (Based on available data, the classification criteria are not met) |
| Respiratory or skin sensitization | : | Not classified (Based on available data, the classification criteria are not met) |
| Germ cell mutagenicity | : | Not classified (Based on available data, the classification criteria are not met) |
| Carcinogenicity | : | Not classified (Based on available data, the classification criteria are not met) |

| Polypropylene (9003-07-0) | |
|---|---|
| IARC group | 3 - Not classifiable |

| Ethene, homopolymer (9002-88-4) | |
|---|---|
| IARC group | 3 - Not classifiable |

| Talc (Mg3H2(SiO3)4) (14807-96-6) | |
|---|---|
| IARC group | 3 - Not classifiable |
| National Toxicity Program (NTP) Status | Evidence of Carcinogenicity |

Reproductive toxicity : Not classified (Based on available data, the classification criteria are not met)
STOT-single exposure : Not classified (Based on available data, the classification criteria are not met)
STOT-repeated exposure : Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard : Not classified (Based on available data, the classification criteria are not met)
Viscosity, kinematic : No data available
Likely routes of exposure : Likely routes of exposure: ingestion, inhalation, skin and eye.
Symptoms/effects after inhalation : Dust from this product may cause respiratory irritation.
Symptoms/effects after skin contact : Not expected to present a significant skin hazard under anticipated conditions of normal use. Heated product causes burns.
Symptoms/effects after eye contact : Not expected to present a significant eye contact hazard under anticipated conditions of normal use. Heated product causes burns.
Symptoms/effects after ingestion : Not expected to present a significant ingestion hazard under anticipated conditions of normal use. Heated product causes burns.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

### 12.2. Persistence and degradability

| Polypropylene Polymer | |
|---|---|
| Persistence and degradability | Not established |

### 12.3. Bioaccumulative potential

No additional information available

### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

Effect on global warming : No known effects from this product.
Other information : Avoid release to the environment.

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecological information : Avoid release to the environment.

## SECTION 14: Transport information

In accordance with DOT / TDG / IMDG / IATA

| DOT | TDG | IMDG | IATA |
|---|---|---|---|
| **14.1. UN number** | | | |
| Not regulated for transport | | | |
| **14.2. Proper Shipping Name** | | | |
| Not regulated | Not regulated | Not regulated | Not regulated |
| **14.3. Transport hazard class(es)** | | | |
| Not regulated | Not regulated | Not regulated | Not regulated |
| **14.4. Packing group** | | | |
| Not regulated | Not regulated | Not regulated | Not regulated |
| **14.5. Environmental hazards** | | | |
| Not regulated | Not regulated | Not regulated | Not regulated |
| No supplementary information available | | | |

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

| | | |
|---|---|---|
| Propene | CAS-No. 115-07-1 | 92 – 100% |

### 15.2. International regulations

No additional information available

### 15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

| Component | State or local regulations |
|---|---|
| Propene(115-07-1) | U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List; U.S. - Minnesota - Hazardous Substance List; U.S. - Massachusetts - Right To Know List; U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List |
| Propane(74-98-6) | U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List; U.S. - Minnesota - Hazardous Substance List; U.S. - Massachusetts - Right To Know List |
| Talc (Mg3H2(SiO3)4)(14807-96-6) | U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List; U.S. - Minnesota - Hazardous Substance List; U.S. - Massachusetts - Right To Know List |

## SECTION 16: Other information

according to US HazCom 2012

| | | |
|---|---|---|
| Revision date | : | 05 April 2024 |
| Other information | : | None. |

Safety Data Sheet (SDS), USA

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.