

Material Safety Data Sheet

According to Regulations (EC) 1907/2006 (REACH), (EC) 1272/2008 (CLP) & (EU) 2015/830

Polypropylene POLIOM grade

PP H003EX, PP H007EX, PP H032TF, PP H003GP, PP H007GP, PP H013GP, PP H020GP, PP H030GP, PP H040GP, PP H060GP, PP H080GP, PP H120GP, PP H180GP, PP H250GP, PP H350GP, PP H251IM, PP H252IM, PP H351IM, PP H352IM, PP H451IM, PP H021BF, PP H031BF, PP H060CF, PP H065CF, PP H080CF, PP H085CF, PP H031FF, PP H033FF, PP H253FF, PP H270FF, PP H273FF, PP H373FF, PP H378FF

Date of issue: 05 June, 2019

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product identifier	Polypropylene
IUPAC identifier	Poly (prop-1-ene)
Other identifier	Propylene Polymer, Propene Polymer
REACH Substance name	Polypropylene
REACH Registration Number	Exempted from REACH registration

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

Use	Polymer for extrusion, injection moulding, blow moulding and thermoforming applications
Uses advised against	Uses other than those given in section 1.2.1 are not Recommended unless an assessment is completed, prior to commencement of that use, which demonstrates that the use will be controlled

1.3 Manufacturer or supplier's details

Company name	Poliom LLC
Company address	Russia, Omsk 644035 137, Krasnoyarsky trakt
Telephone	+ 7 3812 790207
e-mail address	info@poliom-omsk.ru

1.4 Emergency Phone Number

Emergency telephone + 7 3812 790207

SECTION 2: Hazards Identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) 1272/2008

Classification This substance is not classified as hazardous according to CLP

2.2 Label elements

Labeling according CLP regulation (according to Regulation (EC) 1272/2008)

Not applicable

2.3 Other hazards

Other hazards The substance does not meet the criteria for PBT or vPvB substance

SECTION 3: Composition/information on ingredients

3.1 Substance contains

Polypropylene ≥ 99.5 % W/W

CAS-No. 9003-07-0

SECTION 4: First aid measures

4.1 Description of necessary first aid measures

Inhalation Product does not release fumes at ambient temperatures. If exposed to fumes from heated polymer move to fresh air environment. Get medical attention if irritation develops

Skin contact At room temperature the product is not considered harmful when in contact with skin. In case of skin contact with molten polymer immediately submerge the affected area in cold water to cool down polymer. Get medical attention if irritation develops

Eye contact	At room temperature the product is not considered hazardous in contact with eyes. In case of eye contact with molten polymer, cool under running water for 3-5 minutes. Do not attempt to remove molten polymer. Get medical attention immediately
Ingestion	At room temperature the product is not considered harmful when swallowed. Never give anything by mouth to an unconscious person. Get medical attention if irritation or other symptoms develop

4.2 Most important symptoms/effects, acute and delayed

Refer to SECTION 11

4.3 Indication of any immediate medical attention and special treatment needed

No data available

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media Dry chemical, Carbon dioxide (CO₂), Water spray

5.2 Special hazards arising from the substance or mixture

Special hazards arising from the substance or mixture	Substance evolves carbon dioxide, carbon monoxide and other hydrocarbons when burnt., These gases may be suffocating ortoxic in confined spaces
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5.3 Advice for fire-fighters

Special protective equipment for fire-fighters	Wear self-contained breathing apparatus and protective suit
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Further information	Standard procedure for chemical fires
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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures	Ensure adequate ventilation
	Avoid dust formation
	Use personal protective equipment
	Restrict access to keep out unauthorized

	or unprotected personnel Avoid inhalation and direct contact
6.2 Environmental precautions	Keep spilled material away from heat, sparks and open flames Do not flush into surface water or sanitary sewer system
6.3 Methods and material for containment and cleaning up	Shovel into suitable containers for disposal
6.4 Reference to other sections	Refer to sections 8, 13

SECTION 7: Handling and storage

7.1 Precautions for safe handling	Handle in accordance with good industrial hygiene and safety practice Use with adequate ventilation Wash hands thoroughly after handling Molten polymer: wear heat-resistant protective equipment Avoid contact with solvents and oxidizing agents
7.2 Storage precautions	Keep away from direct sunlight Keep away from heat, flame and sparks Keep tightly closed in dry and cool place Have emergency equipment for fires and spills readily available
7.3 Specific end use(s)	Please check the identified uses given in section 1.2

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits	Contains no substances with occupational exposure limit values For the possible products of thermo-oxidative degradation: <ul style="list-style-type: none"> • for formaldehyde – 0.5 mg/m³ • for acetic acid – 5 mg/m³ • for acetaldehyde – 5 mg/m³ • for carbon monoxide – 20 mg/m³
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8.2 Exposure controls

Technical safety measures	Centralized supply and exhaust ventilation, intermittent monitoring of air conditions in work
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areas, technical processes mechanization and automation

Personal protective equipment

Respiratory protection

No special respiratory protective equipment normally required

In case of respirable dust and/or fumes, use self-contained breathing apparatus

Hand protection

No hand protection require under normal conditions

Molten polymer: wear heat-resistant and thermally insulated gloves

Eye protection

Wear safety glasses with side shields

Skin and body protection

Wear protective clothing and antistatic boots

Molten polymer: wear heat-resistant protective clothing

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state

solid

Form

pellets

Colour

transparent to white

Odour

none

Odour Thershold

no data available

Melting point/range

160 – 175 °C

Flash point

> 350 °C (open cup)

Ignition point

> 291 °C

Self-ignition point

> 395 °C

Density

0.89 – 0.91 g/cm³

Water solubility

insoluble

SECTION 10: Stability and reactivity

10.1 Reactivity

Strong oxidizing agents, strong acids, strong alkalies

10.2 Chemical stability

Stable under normal conditions

10.3 Possibility of hazardous reactions

Strong oxidizing agents

10.4 Conditions to avoid

Heat, flame and sparks

10.5 Materials to avoid

Strong oxidizing agents, strong acids, strong alkalies

10.6 Hazardous decomposition products

Carbon dioxide, carbon monoxide, formaldehyde, acetaldehyde, acetic acid and other hydrocarbons

SECTION 11: Toxicological information

11.1 Information of toxicological effects

Acute toxicity

Acute oral toxicity LD₅₀ > 99000 mg/kg (rat)
LD₅₀ > 3000 mg/kg (mouse)

Acute dermal toxicity no data available

Irritation and corrosion

Skin irritation no skin irritation

Eye irritation no eye irritation

Sensitization

Sensitization non-sensitizing

Repeated dose toxicity

Repeated dose toxicity no data available

Carcinogenicity

Carcinogenicity no data available

Mutagenicity

Mutagenicity no data available

SECTION 12: Ecological information

12.1 Ecotoxicity

Fish toxicity no data available

12.2 Persistence and degradability

Biodegradability non-biodegradability

Physico-chemical removability no data available

12.3 Bioaccumulative potential

Bioaccumulation no data available

12.4 Mobility in soil

Mobility in soil no data available

12.5 Results of PBT and vPvB assessment

Results of PBT and vPvB assessment not classified as PBT or vPvB assessment

12.6 Other adverse effects

Other adverse effects small particles can have physical effects on water and soil organisms

SECTION 13: Disposal consideration

13.1 Waste treatment methods Disposal in accordance with Local, State or National Regulations

	Waste water containing polypropylene should be treated
13.2 Additional Information	Packaging plastic waste shall be removed to disposal European waste code – 07 02 13 (waste plastic); 20 01 39 (plastic)

SECTION 14: Transport information

14.1 UN number	not applicable
14.2 UN proper shipping name	not applicable
14.3 Transport hazard class	not applicable
14.4 Packaging group	not applicable
14.5 Environmental hazards	not classified as dangerous in the meaning of transport regulations
14.6 Special precautions for users	see sections 6 to 8 of this MSDS
14.7 transport in bulk according to Annex II MARPOL 73/78 and the IBC Code	not applicable

SECTION 15: Regulatory information

15.1 EU regulations	
Authorisation	not applicable
Restrictions on use	none
15.2 National regulations	unknown
15.3 Chemical Safety Assessment	
Chemical Safety Assessment	the substance is exempted from REACH registration

SECTION 16: Other information

The MSDS provides information regarding the health, safety and environmental hazards, at the date of issue, to facilitate the safe receipt, use and handling of the product in the workplace. Since Poliom cannot anticipate or control all conditions under which the product may be handled, used and received in the workplace, it remains the obligation of each user, receiver or handler to, prior to usage, review this SDS in the context within which the product will be received, handled or used in the workplace. The user, handler or receiver must ensure that the necessary mitigating measures are in place as regards health and safety. This does not substitute the need or requirement for any relevant risk assessments to be conducted. It further remains the responsibility of the receiver, handler or user to communicate such information to all relevant parties that may be involved in the receipt, use or handling of the product.

The information in this data sheet is considered to be correct according to present knowledge and experience, but there is no guarantee that it is complete. It is therefore in the user's interest to ensure that the information is sufficient for the area it is intended for.