Safety Data Sheet

Polypropylene HHR102

Version 1.07 Revision Date 11.03.2026

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

Product identifier

Trade name	Polypropylene HHR102
Synonyms	Polypropylene, Propylene Polymer, Propene Polymer, 1-Propene Homopolymer.
Manufacturing site	Modderfontein

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

Use	Applications in the food industry. Polymer for extrusion, injection moulding, blow moulding & thermoforming applications.

Manufacturer or supplier's details

Company	Sasol Chemicals, a division of Sasol South Africa Ltd
Address	Sasol Place, 50 Katherine Street Sandton 2090 South Africa
Telephone	+27103445000
E-mail address	sasolchem.info.sa@sasol.com
Emergency telephone	+44 (0)1235 239 670 (Europe, Israel, Africa, Americas) +44(0)1235 239 671 (Middle East, Arabic African countries) +65 3158 1074 (Asia Pacific) +86 400 120 6011 (China) +27 (0)17 610 4444 (South Africa) +61 (2) 8014 4558 (Australia)

SECTION 2. Hazards identification

Classification of the substance or mixture

REGULATION (EC) No 1272/2008

Classification	Not a hazardous substance or mixture.

Label elements

REGULATION (EC) No 1272/2008

Not a hazardous substance or mixture.

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Signal Word : Not applicable.

Precautionary Statements

Prevention	NA:	No precautionary statement
Response	NA:	No precautionary statement
Storage	P403 + P235	Store in a well-ventilated place. Keep cool.
Disposal	P501	Dispose of contents/ container to an approved waste disposal plant.

Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3. Composition/information on ingredients

Substance

Polypropylene

Contents: >= 99.00 - <= 100.00 %W/W

CAS-No. 9003-07-0 **Index-No.** **EC-No.**

Hazard Statements *NA*

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SECTION 4. First aid measures

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.
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 submerse the affected area in cold water to cool down polymer.
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.

Most important symptoms/effects, acute and delayed

Refer to SECTION 11

SECTION 5. Firefighting measures

Suitable extinguishing media	Dry chemical Carbon dioxide (CO2) Water spray
Special hazards arising from the substance or mixture	Substance evolves toxic gases when burned.
Special protective equipment for firefighters	Wear self-contained breathing apparatus and protective suit.

SECTION 6. Accidental release measures

Environmental precautions	No special environmental precautions required.
Methods for cleaning up	Shovel into suitable container for disposal.
Reference to other sections	Refer to section 8 and 13

SECTION 7. Handling and storage

Safe handling advice	No special handling advice required under normal conditions. Molten polymer: Wear heat-resistant protective equipment.
Advice on protection against fire and explosion	Keep away from heat and sources of ignition.

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Requirements for storage areas and containers	Keep away from direct sunlight.Keep away from heat.
Advice on common storage	Keep in a cool, well-ventilated place.

SECTION 8. Exposure controls/personal protection

Ingredients with workplace control parameters

NATIONAL OCCUPATIONAL EXPOSURE LIMITS

Contains no substances with occupational exposure limit values.

Exposure controls

Engineering measures

If user operations generate dust, fumes or mists, use ventilation to keep exposure to airborne contaminants below the exposure limit.
Use only in an area equipped with explosion proof exhaust ventilation.
Ensure adequate ventilation.
The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits.

Personal protective equipment

Respiratory protection	No personal respiratory protective equipment normally required. In the case of respirable dust and/or fumes, use self-contained breathing apparatus.
Hand protection	No hand protection required under normal conditions. Molten polymer: Wear heat-resistant gloves.
Eye protection	No eye protection is required under normal conditions. Molten polymer: Wear safety glasses with side shields.
Skin and body protection	No special body protection is required under normal conditions. Molten polymer: Wear heat-resistant protective clothing.

SECTION 9. Physical and chemical properties

Information on basic physical and chemical properties

Form	solid
State of matter	solid; at 20 °C; 1,013 hPa
Color	Translucent to white
Odor	None to slightly waxy
Odor Threshold	No data available
pH	No data available
Melting point/ range	130 - 170 °C
Flash point	> 350 °C; open cup
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Autoignition temperature	> 390 °C
Lower explosion limit	No data available

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Upper explosion limit	No data available
Vapor pressure	No data available
Relative vapor density	No data available
Density	0.88 - 0.92 g/cm3
Solubility/qualitative	No data available
Water solubility	insoluble
Partition coefficient: n-octanol/water	No data available
Viscosity, kinematic	No data available

SECTION 10. Stability and reactivity

Reactivity	Stable under normal conditions. Continous heating above 160 ºC will lead to thermal oxidation.
Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	Strong oxidizing agents
Conditions to avoid	Heat, flames and sparks.
Materials to avoid	Oxidizing agents.
Hazardous decomposition products	Carbon dioxide (CO2)Carbon monoxideHydrocarbonsHydrocarbon oxidation products such as acrolein, aldehydes & alcohols.

SECTION 11. Toxicological information

Acute oral toxicity	No data available
Acute inhalation toxicity	No data available
Acute dermal toxicity	No data available
Skin irritation	Potential skin irritant
Eye irritation	irritating
Sensitization	No data available
Mutagenicity	No data available
	No data available;
Skin contact	Molten polymer can cause severe burns in contact with skin and eyes.
Further Information	No data available

SECTION 12. Ecological information

Toxicity to fish	No data available
Toxicity to daphnia and other aquatic invertebrates	No data available
Toxicity to algae	No data available
Toxicity to bacteria	No data available
Toxicity to fish	No data available
Chronic toxicity in aquatic invertebrates	No data available
Toxicity for organisms in the soil	No data available
Biodegradability	No data available
Bioaccumulation	No data available

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Other adverse effects No data available

SECTION 13. Disposal considerations

Product Disposal and spillages should be addressed with due consideration to local, regional and national legislations.

Packaging Dispose of spent product packaging responsibly and lawfully with due consideration for health, safety and the environment.

SECTION 14. Transport information

Further Information Not classified as dangerous in the meaning of transport regulations.

SECTION 15. Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

Canada. DSL - Domestic Substances List, part of CEPA	All chemical constituents are listed in: Canada. DSL - Domestic Substances List, part of CEPA (See chapter 3)
Australia. AICS - Australian Inventory of Chemical Substances	All chemical constituents are listed in: Australia. AICS - Australian Inventory of Chemical Substances (See chapter 3)
New Zealand Inventory of Chemical Substances	All chemical constituents are listed in: New Zealand Inventory of Chemical Substances (See chapter 3)
Japan. ENCS - Existing and New Chemical Substances Inventory	All chemical constituents are listed in: Japan. ENCS - Existing and New Chemical Substances Inventory (See chapter 3)
Japan. Industrial Safety and Health Law - Inventory	All chemical constituents are listed in: Japan. Industrial Safety and Health Law - Inventory (See chapter 3)
Korea. KECI - Korean Existing Chemicals Inventory	All chemical constituents are listed in: Korea. KECI - Korean Existing Chemicals Inventory (See chapter 3)
Philippines. PICCS - Philippines Inventory of Chemicals and Chemical Substances	All chemical constituents are listed in: Philippines. PICCS - Philippines Inventory of Chemicals and Chemical Substances (See chapter 3)
China. IECSC - Inventory of Existing Chemical Substances in China	All chemical constituents are listed in: China. IECSC - Inventory of Existing Chemical Substances in China (See chapter 3)
Taiwan. Chemical Substances Inventory (TCSI)	All chemical constituents are listed in: Taiwan. Chemical Substances Inventory (TCSI) (See chapter 3)

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USA TSCA Inventory	All chemical constituents are listed in: USA TSCA Inventory (See chapter 3)

SECTION 16. Other information

Full text of H-Statements.
This substance contains no components with H-statement.

This product falls within the dimensional limits for inclusion in the definition of microplastics, as outlined in Commission Regulation (EU) 2023/2055. Users of this polymer are reminded of their obligations to ensure compliance with local, regional, and national legislation.

All reasonable efforts were exercised to compile this SDS in accordance with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS). The SDS only provides information regarding the health, safety and environmental hazards at the date of issue, to facilitate the safe receipt, use and handling of this product in the workplace and does not replace any product information or product specifications. Since Sasol and its subsidiaries cannot anticipate or control all conditions under which this 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 this 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 with respect to 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 this product.
Although all reasonable efforts were exercised in the compilation of this SDS, Sasol does not expressly warrant the accuracy of, or assume any liability for incomplete information contained herein or any advice given. When this product is sold, risk passes to the purchaser in accordance with the specific terms and conditions of sale.

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