



sasol

Safety Data Sheet

HNR101

Version 1.03

Revision Date 13.08.2020

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

Product identifier

Trade name HNR101

Synonyms Polypropylene, Propylene Polymer, Propene Polymer, 1-Propene Homopolymer.

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

Use Polymer for extrusion, injection moulding, blow moulding & thermoforming applications.

Manufacturer or supplier's details

Company Sasol Chemicals, a division of Sasol South Africa Ltd

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+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

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Not a hazardous substance or mixture.

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.



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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 submerge 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, 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.

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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.

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

Components 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.

The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits.

Ensure adequate ventilation.

Personal protective equipment

Respiratory protection No personal respiratory protective equipment normally required. In the case of respirable dust and/or fumes, use self-



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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 form |
| State of matter | Solid |
| Colour | Translucent to white |
| Odour | None to slightly waxy |
| Odour Threshold | No data available |
| pH | No data available |
| Melting point/range | 130 - 170 ° C |
| Flash point | No data available |
| Evaporation rate | No data available |
| Flammability (solid, gas) | No data available |
| Auto-ignition temperature | No data available |
| Lower explosion limit | No data available |
| Upper explosion limit | No data available |
| Vapour pressure | No data available |
| Relative vapour density | No data available |
| Density | 0.88 - 0.92 g/cm ³ |
| Water solubility | Insoluble |
| Partition coefficient: n-octanol/water | No data available |
| Viscosity, kinematic | No data available |

SECTION 10. Stability and reactivity



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| | |
|---|---|
| Reactivity | Stable under normal conditions. Continuous heating above 160 °C 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, Carbon monoxide, Hydrocarbons, Hydrocarbon 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 | No data available |
| Sensitisation | No data available |
| Repeated dose toxicity | No data available |
| Carcinogenicity | 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 |
| Biodegradability | No data available |
| Bioaccumulation | No data available |



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Other adverse effects

No data available

SECTION 13. Disposal considerations

Product

Disposal should be in accordance with local, regional and national legislations. Collect in plastic or metal containers for disposal.

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)



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| | |
|--|--|
| 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) |
| 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.

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.