



**sasol**

# Safety Data Sheet

**HNR100**

Version 1.04

Revision Date 13.08.2020

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

### Product identifier

**Trade name** HNR100

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

### 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

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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:  $\geq 99.00$  -  $\leq 100.00$  %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**

<b>Inhalation</b>	Product does not release fumes at ambient temperatures. If exposed to fumes from heated polymer move to fresh air environment.
<b>Skin contact</b>	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.
<b>Eye contact</b>	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.
<b>Ingestion</b>	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**

<b>Suitable extinguishing media</b>	Dry chemical. Carbon dioxide, Water spray.
<b>Special hazards arising from the substance or mixture</b>	Substance evolves toxic gases when burned.
<b>Special protective equipment for firefighters</b>	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

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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 <sup>3</sup>
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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<b>Reactivity</b>	Stable under normal conditions. Continuous heating above 160 °C will lead to thermal oxidation.
<b>Chemical stability</b>	Stable under recommended storage conditions.
<b>Possibility of hazardous reactions</b>	Strong oxidizing agents.
<b>Conditions to avoid</b>	Heat, flames and sparks.
<b>Materials to avoid</b>	Oxidizing agents.
<b>Hazardous decomposition products</b>	Carbon dioxide, Carbon monoxide, Hydrocarbons, Hydrocarbon oxidation products such as acrolein, aldehydes & alcohols.

### SECTION 11. Toxicological information

<b>Acute oral toxicity</b>	No data available
<b>Acute inhalation toxicity</b>	No data available
<b>Acute dermal toxicity</b>	No data available
<b>Skin irritation</b>	Potential skin irritant.
<b>Eye irritation</b>	No data available
<b>Sensitisation</b>	No data available
<b>Repeated dose toxicity</b>	No data available
<b>Carcinogenicity</b>	No data available
<b>Mutagenicity</b>	No data available
<b>Skin contact</b>	Molten polymer can cause severe burns in contact with skin and eyes.

### SECTION 12. Ecological information

<b>Toxicity to fish</b>	No data available
<b>Toxicity to daphnia and other aquatic invertebrates</b>	No data available
<b>Toxicity to algae</b>	No data available
<b>Toxicity to bacteria</b>	No data available
<b>Toxicity to fish</b>	No data available
<b>Chronic toxicity in aquatic invertebrates</b>	No data available
<b>Biodegradability</b>	No data available
<b>Bioaccumulation</b>	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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<b>Philippines. PICCS - Philippines Inventory of Chemicals and Chemical Substances</b>	All chemical constituents are listed in: Philippines. PICCS - Philippines Inventory of Chemicals and Chemical Substances (See chapter 3)
<b>China. IECSC - Inventory of Existing Chemical Substances in China</b>	All chemical constituents are listed in: China. IECSC - Inventory of Existing Chemical Substances in China (See chapter 3)
<b>Taiwan. Chemical Substances Inventory (TCSI)</b>	All chemical constituents are listed in: Taiwan. Chemical Substances Inventory (TCSI) (See chapter 3)
<b>USA TSCA Inventory</b>	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.