Material Safety Data Sheet

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

Trade name	Polypropylene HNR100
Synonyms	Polypropylene, Propylene Polymer, Propene Polymer, 1-Propene, Homopolymer.
Use	Applications in the food industry. Polymer for extrusion, injection moulding, blow moulding & thermoforming applications.
Company	Sasol Chemicals, a division of Sasol South Africa Ltd Sasol Place, 50 Katherine Street Sandton 2090 South Africa +27103445000

Telephone	CHEMTREC North America Transport Emergency (24-hr)	(800) 424-9300
	CHEMTREC World Wide Transport Emergency (24-hr)	(703) 527-3887
	MSDS and Product Information (8:00am-4:30pm CST)	(281) 588-3315
	Sasol LCCC Main Gate Guard	(337) 494-5142

E-mail address SasolElectronicSDS@us.sasol.com

SECTION 2 Hazards identification

Classification of the substance or mixture

South Africa. GHS Classification and Labelling of Chemicals - SANS 10234

Classification This substance is not classified as hazardous according to GHS.

Label elements

Pictogram	Not applicable
Signal word	Not applicable
Hazard statements	This substance is not classified as hazardous according to GHS.

Precautionary statements

Prevention	This substance is not classified as hazardous according to GHS.
Response	This substance is not classified as hazardous according to GHS.
Storage	This substance is not classified as hazardous according to GHS.
Disposal	This substance is not classified as hazardous according to GHS.

Other hazards May form combustible dust concentrations in air (during processing).

SECTION 3 Composition/information on ingredients

Components	CAS-No.	Weight percent
Polypropylene	9003-07-0	**>= 99.00**

Exposure limit(s): See chapter 8

Classification and hazard labelling: See chapter 15

SECTION 4 First aid measures

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.

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.

Inhalation Product does not release fumes at ambient temperatures. If exposed to fumes from heated polymer move to fresh air environment.

Ingestion At room temperature the product is not considered harmful when swallowed.

SECTION 5 Firefighting measures

Fire/explosion Substance evolves toxic gases when burned.

Hazardous combustion products Carbon dioxide (CO2). Carbon monoxide. Acrolein. formaldehyde-like

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

Protection measures and instructions 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.

Exposure controls/personal protection: See chapter 8

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.
Storage	Keep away from direct sunlight.Keep away from heat.
Further information on storage conditions	**Keep in a cool, well-ventilated place.**

SECTION 8 Exposure controls/personal protection

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

Eyes	No eye protection is required under normal conditions. Molten polymer: Wear safety glasses with side shields.
Skin	No special body protection is required under normal conditions. Molten polymer: Wear heat-resistant protective clothing.
Inhalation	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.

Exposure Guidelines

Components	Exposure limit(s)

PEL= Permissible Exposure Limits
TLV= Threshold Limit Value
EL= Excursion Limit

TWA= Time Weighted Average (8 hr.)
STEL= Short Term Exposure Limit (15 min.)
WEEL= Workplace Environmental Exposure Level

SECTION 9 Physical and chemical properties

State of matter Solid

Colour Translucent to white

Odour None to slightly waxy

Form Solid form

Boiling point/boiling range Not applicable

Flash point > 350 ° C open cup

Lower explosion limit No data available

Upper explosion limit No data available

Solubility(ies) Insoluble

Viscosity No data available

Melting point/range 130 - 165 ° C

Density 0.88 - 0.92 g/cm3

pH No data available

Partition coefficient: No data available

n-octanol/water

SECTION 10 Stability and reactivity

Reactivity	Stable under normal conditions. Continous heating above 160 °C will lead to thermal oxidation.
Chemical stability	Stable under recommended storage conditions.
Conditions to avoid	Heat, flames and sparks.
Hazardous decomposition products	Carbon dioxide (CO2).Carbon monoxide.Acrolein.formaldehyde-like
Materials to avoid	Oxidizing agents.
Hazardous polymerisation	Strong oxidizing agents

SECTION 11 Toxicological information

Acute oral toxicity	No data available
Acute inhalation toxicity	; No data available
Acute dermal toxicity	No data available
Skin irritation	No data available
Eye irritation	No data available
Sensitisation	No data available
Repeated dose toxicity	No data available
Carcinogenicity	No data available
Mutagenicity	No data available

	No data available;
Eye contact	No data available
Skin contact	Molten polymer can cause severe burns in contact with skin and eyes.
Inhalation	No data available
Ingestion	No data available
Further Information	No data available

SECTION 12 Ecological information

Ecotoxicity effects

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	Expected to be biodegradable
Bioaccumulation	No data available
Other adverse effects	No data available

SECTION 13 Disposal considerations

Waste Classification No data available.

Waste from residues / unused products Disposal should be in accordance with local, regional and national legislations.

Handling and storage: See chapter 7

Exposure controls/personal protection: See chapter 8

SECTION 14 Transport information

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

SECTION 15 Regulatory information

U.S. Federal Classifications:

OSHA Hazards This material is non-hazardous as defined by the American OSHA Hazard Communication Standard.

SARA 311/312 No SARA Hazards

U.S. Regulated Ingredients:

Inventories

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	Components Not listed
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)
USA TSCA Inventory	All chemical constituents are listed in: USA TSCA Inventory (See chapter 3)

Other international regulations

WHMIS Classification No data available

SECTION 16 Other information

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.