

Safety Data Sheet
Polypropylene

Version 1.00

Revision Date 31.08.2012

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

1.1 Product identifier

Product identifier	Polypropylene
Other Identifier	Polypropylene, Propylene Polymer, Propene Polymer
REACH Substance name	Polypropylene
REACH Registration Number	No data available

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

Use	Polymer for extrusion, injection moulding, blow moulding & thermoforming applications.
Uses advised against	Heat, flames and sparks.

1.3 Manufacturer or supplier's details

Company Name	Sasol Polymers
Company Address	56 Grosvenor Road Bryanston 2021 Republic of South Africa
Telephone	+27 11 458 0701
E-mail address	msds.info@sasol.com

1.4 Emergency Phone Number

Emergency telephone number	Europe, Israel, Africa, Americas	+44 (0)1235 239 670
	Middle East, Arabic African countries	+961 3 487 287
	Asia Pacific	+65 3158 1074
	China	+86 10 5100 3039
	South Africa	+27 (0)17 610 4444
	Australia	+61 2 9032 0460



Safety Data Sheet

Polypropylene

Version 1.00

Revision Date 31.08.2012

SECTION 2. Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EU) 1272/2008 with the correlation table 67/548/EEC or 1999/45/EC (Annex VII of CLP)

Classification

This substance is not classified as dangerous according to CLP.

Classification and labelling according to Directive 67/548/EEC.

Classification

: This substance is not classified as dangerous according to Directive 67/548/EEC.

2.2 Label elements

Classification according to Regulation (EU) 1272/2008 with the correlation table 67/548/EEC or 1999/45/EC (Annex VII of CLP)

Signal word

This substance is not classified as dangerous according to GHS.

Classification

This substance is not classified as dangerous according to CLP.

Hazard statements

: This substance is not classified as dangerous according to GHS.

Precautionary Statement - Prevention

: This substance is not classified as dangerous according to GHS.

Precautionary Statement - Response

: This substance is not classified as dangerous according to GHS.

Precautionary Statement - Storage

: This substance is not classified as dangerous according to GHS.

Precautionary Statement - Disposal

This substance is not classified as dangerous according to GHS.

Pictogram

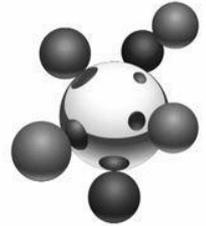
Classification and labelling according to Directive 67/548/EEC.

R-phrases(s)

: This substance is not classified as dangerous according to Directive 67/548/EEC.

S-phrases(s)

: This substance is not classified as dangerous according to Directive



Safety Data Sheet

Polypropylene

Version 1.00

Revision Date 31.08.2012

Symbol(s)	67/548/EEC.
2.3 Other hazards	
Other hazards	No data available
Additional advice	The product does not need to be labelled in accordance with EC directives or respective national laws.

SECTION 3. Composition/information on ingredients

3.1 Substance Contains

Polypropylene

Contents: >= 99.00 %W/W

CAS-No. 9003-07-0

Index-No.

EC-No.

SECTION 4. First aid measures

4.1 .Description of necessary first-aid measures

<i>Inhalation</i>	Product does not release fumes at ambient temperatures. If exposed to fumes from heated polymer move to fresh air environment.
<i>Skin contact</i>	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.
<i>Eye contact</i>	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.
<i>Ingestion</i>	At room temperature the product is not considered harmful when swallowed.

4.2 Most important symptoms/effects, acute and delayed

Refer to SECTION 11



Safety Data Sheet

Polypropylene

Version 1.00

Revision Date 31.08.2012

4.3 Indication of any immediate medical attention and special treatment needed

Refer to SECTION 4.2

SECTION 5. Firefighting measures

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

5.2 Special hazards arising from the substance or mixture Substance evolves toxic gases when burned.

5.3 Special protective equipment for firefighters Wear self-contained breathing apparatus and protective suit.

SECTION 6. Accidental release measures

6.2 Environmental precautions No special environmental precautions required.

6.3 Methods for cleaning up Shovel into suitable container for disposal.

6.4 Reference to other sections Refer to Section 8 and 13

SECTION 7. Handling and storage

7.1 Safe handling advice No special handling advice required under normal conditions. Molten polymer: Wear heat-resistant protective equipment.

7.2 Advice on protection against fire and explosion Keep away from direct sunlight. Keep away from heat.

7.3 Requirements for storage areas and containers No data available



Safety Data Sheet

Polypropylene

Version 1.00

Revision Date 31.08.2012

Advice on common storage

Do not store with solvents and oxidising agents. Keep in a dry, cool and well-ventilated place.

SECTION 8. Exposure controls/personal protection

8.1 Components with workplace control parameters

Contains no substances with occupational exposure limit values.

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

9.1 Information on basic physical and chemical properties

Form	Solid
State of matter	Solid
Colour	Translucent to white
Odour	None to slightly waxy
Odour Threshold	No data available
Melting point/range	130 - 165 °C
Flash point	> 350 °C; open cup
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Autoignition temperature	> 390 °C



Safety Data Sheet

Polypropylene

Version 1.00

Revision Date 31.08.2012

Vapour density	No data available
Density	0.88 - 0.92 g/cm ³
Water solubility	Insoluble

SECTION 10. Stability and reactivity

10.1 Reactivity	Strong oxidizing agents
10.2 Chemical stability	Stable under normal conditions. Continuous heating above 160 °C will lead to thermal oxidation.
10.3 Possibility of hazardous reactions	Strong oxidizing agents
10.4 Conditions to avoid	Heat, flames and sparks.
10.5 Materials to avoid	Oxidizing agents
10.6 Hazardous decomposition products	Carbon dioxide (CO ₂) Carbon monoxide Acrolein Formaldehyde-like

SECTION 11. Toxicological information

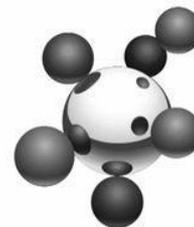
11.1 Information on toxicological effects

Acute toxicity

Acute oral toxicity	No data available
Acute inhalation toxicity	No data available
Acute dermal toxicity	No data available

Irritation and corrosion

Skin irritation	No data available
Eye irritation	No data available
Sensitisation	No data available
Repeated dose toxicity	No data available



Safety Data Sheet

Polypropylene

Version 1.00

Revision Date 31.08.2012

Carcinogenicity	No data available
Mutagenicity	No data available
Toxicity for reproduction	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

12.1 Ecotoxicity effects

Toxicity to fish	No data available
Toxicity to daphnia and other aquatic invertebrates	No data available
Toxicity to algae	No data available

12.2 Persistence and degradability

Biodegradability	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	No data available
-------------------------------------------	-------------------

12.6

Other adverse effects	No data available
------------------------------	-------------------



Safety Data Sheet

Polypropylene

Version 1.00

Revision Date 31.08.2012

SECTION 13. Disposal considerations

13.1 Product *Disposal can be done with normal domestic waste, Can be recycled, Can be incinerated*

SECTION 14. Transport information

14.1 UN Number *No classified as dangerous in the meaning of transport*

14.2 UN Proper shipping name *Not applicable*

14.3 Transport hazard class(es) *Not applicable*

14.4 Packing group *Not applicable*

14.5 Environmental hazards *Not applicable*

14.6 Special precautions for user *Not dangerous for users*

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code *Not applicable*

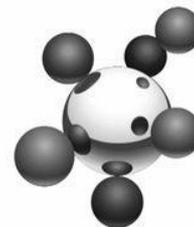
SECTION 15. Regulatory information

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

Regulatory base *EU REACH regulations 1907/2006*

Additional Information *None additional*

15.2 Chemical Safety Assessment *No data available*



Safety Data Sheet

Polypropylene

Version 1.00

Revision Date 31.08.2012

SECTION 16. Other information

All reasonable efforts were exercised to compile this SDS in accordance with ISO 11014 and ANSIZ400.1.1993. The SDS 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 Sasol and its subsidiaries 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 MSDS was created by: F. SHAI

The MSDS was approved by: M. SWART