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*

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-phrase(s)	: This substance is not classified as dangerous according to Directive 67/548/EEC.
S-phrase(s)	: This substance is not classified as dangerous according to Directive

67/548/EEC.

Symbol(s)
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

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.*

4.2 Most important symptoms/effects, acute and delayed

Refer to SECTION 11

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 (CO_2), 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*

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*

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. Continous heating above 160 ºC 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*

Carcinogenicity	*No data available*
Mutagenicity	*No data available*
Toxicity for reproduction	*No data available*
Eye contact	
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*

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

15.1Safety, 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*

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.

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