



Material Safety Data Sheet

Polypropylene

Version 1.00

Revision Date 10.03.2011

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 Exempted from REACH registration.

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
Telephone +27 11 458 0701
E-mail address msds.info@sasol.com

1.4 Emergency Phone Number

Emergency telephone Europe, Israel, Africa, Americas +44 (0)208 762 8322
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



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SECTION 2. Hazards identification

2.1 Classification of the substance or mixture

Classification *Classification according to Regulation (EU) 1272/2008 with the correlation table 67/548/EEC or 1999/45/EC (Annex VII of CLP)*
: This substance is not classified as dangerous according to CLP.

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

2.2 Label elements

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

: 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.



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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 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



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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 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.

4.2 Most important symptoms/effects, acute and delayed

Refer to SECTION 11

4.3 Indication of immediate medical attention and special treatment needed

Refer to SECTION 4.2



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SECTION 5. Fire-fighting 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 carbon dioxide, carbon monoxide and other hydrocarbons when burnt., These gases may be suffocating or toxic in confined spaces.*
- 5.3 Special protective equipment for fire-fighters** *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*



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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.

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



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Flammability (solid, gas)	<i>no data available</i>
Autoignition temperature	<i>> 390 °C</i>
Vapour density	<i>no data available</i>
Density	<i>0.88 - 0.92 g/cm³</i>
Water solubility	<i>insoluble</i>

SECTION 10. Stability and reactivity

10.1 Reactivity	<i>Strong oxidizing agents</i>
10.2 Chemical stability	<i>Stable under normal conditions., Continuous heating above 160 °C will lead to thermal oxidation.</i>
10.3 Possibility of hazardous reactions	<i>Strong oxidizing agents</i>
10.4 Conditions to avoid	<i>Heat, flames and sparks.</i>
10.5 Materials to avoid	<i>Oxidizing agents</i>
10.6 Hazardous decomposition products	<i>Mainly carbon dioxide and carbon monoxide, possibly traces of formaldehyde, acrolein and other hydrocarbons.</i>

SECTION 11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Acute oral toxicity *no data available*

Acute dermal toxicity *no data available*

Irritation and corrosion

Skin irritation *no data available*

Eye irritation *no data available*

Sensitisation

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Sensitisation	<i>no data available</i>
Repeated dose toxicity	
Repeated dose toxicity	<i>no data available</i>
Carcinogenicity	
Carcinogenicity	<i>no data available</i>
Mutagenicity	
Mutagenicity	<i>no data available</i>
Toxicity for reproduction	
Eye contact	
Eye contact	<i>no data available</i>
Skin contact	
Skin contact	<i>Molten polymer can cause severe burns in contact with skin and eyes.</i>
Inhalation	
Inhalation	<i>no data available</i>
Ingestion	
Ingestion	<i>no data available</i>
Further information	<i>no data available</i>

SECTION 12. Ecological information

12.1 Ecotoxicity effects

Toxicity to fish *no data available*

12.2 Persistence and degradability

Biodegradability *no data available*

**Physico-chemical
removability** *no data available*

12.3 Bioaccumulative potential

Bioaccumulation *no data available*

12.4 Mobility in soil

Mobility in soil *no data available*



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12.5 Results of PBT and vPvB assessment

Results of PBT and vPvB assessment *no data available*

12.6 Other adverse effects

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 *not applicable*

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 classified as dangerous in the meaning of transport regulations.*

14.6 Special precautions for users *None additional*

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

SECTION 15. Regulatory information



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

Regulatory base *REGULATION (EC) No 1272/2008*

Additional Information *None additional*

15.2 Chemical Safety Assessment *The substance is exempted from REACH registration.*

SECTION 16. Other information

All reasonable efforts were exercised to compile this SDS in accordance with REACH legislation, Annex II. The MSDS 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: MOTLATS!

The MSDS was approved by: Morne