



Safety Data Sheet

Polypropylene HKR102

Version 1.00

Revision Date 25.10.2012

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

| | | |
|-------------------------------------|---|---------------------|
| Trade name | Polypropylene HKR102 | |
| Synonyms | Polypropylene HKR102, Polypropylene, Propylene Polymer, Propene Polymer | |
| Use | Applications in the food industry, Polymer for extrusion, injection moulding, blow moulding & thermoforming applications. | |
| Company | Sasol Polymers 56 Grosvenor Road Bryanston 2021 Republic of South Africa | |
| Information (Product safety) | Telephone: +27 11 458 0701 Fax: E-mail address msds.info@sasol.com | |
| Emergency telephone number | Europe, Israel, Africa, Americas | +44 (0)1235 239 670 |
| | Middle East, Arabic African countries | +44 (0)1235 239 671 |
| | Asia Pacific | +65 3158 1074 |
| | China | +86 10 5100 3039 |
| | South Africa | +27 (0)17 610 4444 |
| | Australia | +61 2 9032 0460 |

2. Hazards identification

The product does not need to be labelled in accordance with EC directives or respective national laws.

3. Composition/information on ingredients

Polypropylene

Contents: >= 99.00 %W/W

CAS-No. 9003-07-0
Symbol(s)

Index-No.
R-phrase(s)

EC-No.

4. First aid measures

Inhalation

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



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| | |
|---------------------|---|
| 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. |

5. Firefighting measures

| | |
|--|--|
| Suitable extinguishing media | Dry chemical, Carbon dioxide (CO ₂), Water spray |
| Specific hazards during firefighting | Substance evolves toxic gases when burned. |
| Special protective equipment for firefighters | Wear self-contained breathing apparatus and protective suit. |

6. Accidental release measures

| | |
|----------------------------------|--|
| Environmental precautions | No special environmental precautions required. |
| Methods for cleaning up | Shovel into suitable container for disposal. |

7. Handling and storage

Handling

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

Storage

| | |
|--|---|
| Requirements for storage areas and containers | Keep away from direct sunlight. Keep away from heat. |
| Advice on common storage | Do not store with solvents and oxidising agents. Store in a cool dry well-ventilated place. |

8. Exposure controls/personal protection

Components with workplace control parameters

| | |
|--|--|
| NATIONAL OCCUPATIONAL EXPOSURE LIMITS | Contains no components with occupational exposure limits |
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EUROPEAN OCCUPATIONAL EXPOSURE LIMITS

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.

9. Physical and chemical properties

| | |
|---------------------------------|-------------------------------|
| Form | Solid |
| State of matter | Solid |
| Colour | Translucent to white |
| Odour | None to slightly waxy |
| Melting point/range | 130 - 165 °C |
| Flash point | > 350 °C; open cup |
| Autoignition temperature | > 390 °C |
| Density | 0.88 - 0.92 g/cm ³ |
| Water solubility | Insoluble |

10. Stability and reactivity

| | |
|---|---|
| Materials to avoid | Oxidizing agents |
| Hazardous decomposition products | Carbon dioxide (CO ₂) Carbon monoxide Acrolein Formaldehyde-like |
| Thermal decomposition | Stable under normal conditions. Continuous heating above 160 °C will lead to thermal oxidation. |
| Hazardous reactions | Strong oxidizing agents |



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11. Toxicological information

Further information No data available

12. Ecological information

Ecotoxicity effects

Further information No data available

13. Disposal considerations

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

14. Transport information

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

15. Regulatory information

Labelling

Additional advice The product does not need to be labelled in accordance with EC directives or respective national laws.

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.

Although all reasonable efforts were exercised in the compilation of this SDS, Sasol does not expressly warrant the accuracy or assume any liability for the incompleteness of the information contained herein or any advice given. The product is sold and risk passes in accordance with the specific terms and conditions of sale.

The MSDS was created by: F. SHAI

The MSDS was approved by: M. SWART