

EMPOWERDEX

Economic Empowerment Rating Agency



Generic B-BBEE Verification Certificate

Bidvest Afcom (Pty) Ltd

Registration Number: 1961/001762/07

Address: 3 Fortune Street, City Deep Industrial Park, City Deep, Johannesburg, 2000

Level Three Contributor				
Scorecard Information	Actual Score	Target Score	Analysis	Results
Ownership	21.54	20.00	Procurement Recognition Level	110.00%
Management & Control	4.59	10.00	Black Ownership Voting Rights	*59.96%
Employment Equity	2.91	15.00	Black Ownership Economic Interest	*63.42%
Skills Development	12.00	15.00	Black Women Voting Rights	*23.72%
Preferential Procurement	18.39	20.00	Black Woman Economic Interest	*24.86%
Enterprise Development	15.00	15.00	VAT Number	4260103132
Socio-Economic Development	5.00	5.00	Value Adding Enterprise	Yes
Total Score	79.43	100.00	Issue Date	11 September 2014
			Expiry Date	10 September 2015
			Re-Issue Date	N/A

* Black Ownership includes continuing benefits

For EMPOWERDEX (Pty) Ltd

11 September 2014

Date

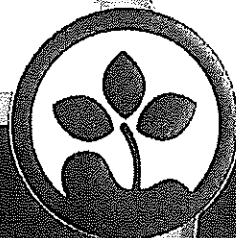
This verification certificate and the verification report are based on information provided to Empowerdex and represent an independent opinion based on the verification and analysis completed by Empowerdex. The calculation of the scores has been determined in accordance with the Department of Trade and Industry's Codes of Good Practice on Broad Based Black Economic Empowerment as Gazetted on 9 February 2007.

Empowerdex (Pty) Ltd Reg. 2001/027963/07
Directors: C Wu, V Jack, L Ratsoma, J Brebnor



BVA 030

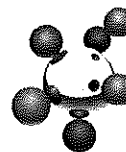
G14J00235



C e r t i f i c a t e

Bidvest

sasol
reaching new frontiers



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

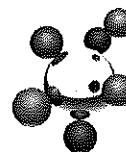
Use	Polymer for extrusion, injection moulding, blow moulding & thermoforming applications.
Uses advised against	Heat, flames and sparks.

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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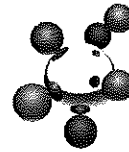
SECTION 2. Hazards identification

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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Revision Date 10.03.2011

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

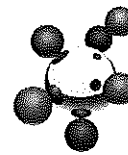
Inhalation	Product does not release fumes at ambient temperatures. If exposed to fumes from heated polymer move to fresh air environment.
Skin contact	At room temperature the product is not considered harmful when in contact with skin. In case of skin contact with molten polymer immediately submerge 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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Polypropylene

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SECTION 5. Fire-fighting measures

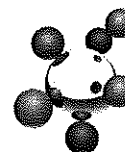
- 5.1 Suitable extinguishing media** Dry chemical, Carbon dioxide (CO₂), Water spray
- 5.2 Special hazards arising from the substance or mixture** Substance evolves carbon dioxide, carbon monoxide and other hydrocarbons when burnt., These gases may be suffocating or toxic in confined spaces.
- 5.3 Special 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.

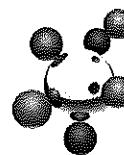
Eye protection No eye protection is required under normal conditions. Molten polymer: Wear safety glasses with side shields.

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)	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., 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	Mainly carbon dioxide and carbon monoxide, possibly traces of formaldehyde, acrolein and other hydrocarbons.

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

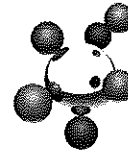
Eye irritation no data available

Sensitisation

Print Date 10.03.2011

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

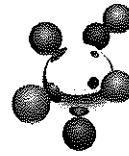
**Physico-chemical
removability** *no data available*

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.

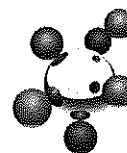
14.6 Special precautions for users

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

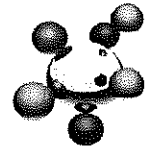
15.2 Chemical Safety Assessment The substance is exempted from REACH registration.

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: MOTLATSI

The MSDS was approved by: Morne



28 April 2011

HKR102

Statement on the regulatory status of Sasol Polymers' products intended for use in food contact applications

Identification

Grade name: HKR102
Type of polymer: Polypropylene homopolymer
CAS number: 9003-07-0
Identity of manufacturer: Sasol Polymers, a division of Sasol Chemical Industries Limited (Reg. no. 1968/013914/06), a company incorporated and existing under the laws of South Africa.
Origin of product: Sasol Polymers produces polypropylene at its operations situated at Polymer Road, Sasol Works, Secunda, Republic of South Africa.

Europe

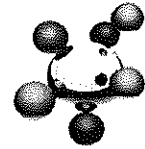
The grade listed above complies with *Regulation (EC) No 1935/2004 of 27 October 2004* (the "framework regulation" on food contact materials). Compliance is claimed based on the following:

- The grade is manufactured in accordance with the broad guidelines for good manufacturing practice as outlined in *Commission Regulation (EC) No 2023/2006 of 22 December 2006* (although no formally audited GMP system is in place at present).
- Adequate documentation-, quality assurance- and quality control measures are in place to ensure adherence to specification, consistency of composition and batch traceability.
- The grade complies with the requirements of *Commission Directive 2002/72/EC of 06 August 2002* relating to plastic materials and articles intended to come into contact with foodstuffs; more information provided below.

The grade listed above complies with *Commission Regulation (EU) No 10/2011 of 14 January 2011* as amended by *Commission Directives (EU) No 321/2011 of 1 April 2011*. Compliance is claimed based on the following:

- Only monomers listed in Annex I to *Commission Regulation (EU) No 10/2011* (as amended) are used in the production of this grade.
- Only additives listed in Annex I *Commission Regulation (EU) No 10/2011* (as amended) are used in the production of this grade.
- Where applicable additives are used in concentrations below the maximum permitted concentration ("QM") specified in the directive.
- The grade listed above contains no additive which is subject to a Specific Migration Limit ("SML") under the directive.

Users of this grade are reminded of their obligations under *Commission Regulation (EU) No 10/2011*; namely to ensure compliance of packaging articles to the overall migration limit ("OML") and specific migration limits ("SML"). Verification of compliance must be done in accordance with Annex V of *Commission Regulation (EU) No 10/2011*, i.e. either by calculation, migration modelling or migration testing in accordance with Annex V of *Commission Regulation (EU) No 10/2011* and with reference to *Directive 82/711/EEC* (as amended by *Directive 93/8/EEC* & *97/48/EEC*) using an appropriate food simulant as specified in *Directive 85/572/EEC* (as amended by *Directive 2007/19/EC*).



United States of America

The grade listed above complies with the regulations of the US Food and Drug Administration (FDA) governing the use of plastic materials in contact with food as published in the *Code of Federal Regulations 21 CFR*. Compliance is claimed based on the following:

- The basic polymer present in this grade is allowed in food contact applications under paragraph (a)(1)(i) of 21 CFR 177.1520.
- The basic polymer present in this grade is suitable for cooking & non-cooking applications as specified in paragraph (c)1.1a of 21 CFR 177.1520.
- All adjuvant substances added to the basic polymer are permitted by virtue of being GRAS (generally recognised as safe), having prior sanction or being explicitly approved for use under 21 CFR 170 through 189. The adjuvant substances in this grade are permitted in articles intended for use with:
 - Food types I - IX as specified in Table 1 of 21 CFR 176.170
 - Conditions A - H as specified in Table 2 of 21 CFR 176.170
- Please note that additional restrictions might apply for various applications. Please refer to CFR 21 for more information in this regard.

Disclaimer:

a) This statement replaces all earlier statements from Sasol Polymers on the above mentioned topic(s). Please contact Sasol Polymers regularly for up-to-date regulatory information.

b) This statement will remain valid until replaced by a newer version from Sasol Polymers on the above mentioned topic.

c) Sasol Polymers provides this information in good faith, but makes no representation as to its comprehensiveness or accuracy. Individuals receiving this information must exercise their independent judgement in determining its appropriateness for a particular purpose. Accordingly, Sasol Polymers will not be responsible for damages resulting from use of or reliance upon this information.

d) This statement only applies to virgin polymer granules or powders as supplied by Sasol Polymers and does not include:

- Modification of the polymer by the addition of any other product to it.
- Modification of the polymer resulting from processing.
- Modification of the polymer resulting from storage.

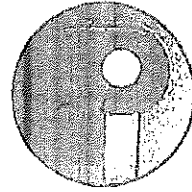
e) This statement does not claim or guarantee that any Sasol Polymers product is suitable for any specific food contact application. No blanket "food contact approval" of polymer materials and/or articles made from polymer materials is possible under the applicable regulations. Migration of substances from polymers depends to a large extent on the geometry of the article made from the polymer, the foodstuff packed in the articles and the conditions under which the foodstuff is packaged, stored and used. Sasol Polymers cannot predict or guarantee the migratory behaviour of its polymers after it has been converted into articles (mouldings, film, etc). Users are advised to subject articles made from Sasol Polymers' products to relevant calculations and/or migration modelling and/or migration testing before suitability for food contact applications is claimed.

Sasol Polymers a division of Sasol Chemical Industries Limited (Registration number 1968/013914/06)
22 Pressburg Road Modderfontein Founders View PO Box 72 Modderfontein 1645 South Africa
Telephone +27 (0)11 458 0700 Facsimile +27 (0)11 458 0744 www.sasol.com

Directors: AM de Ruyter (Chairman) M du Toit KC Ramon C van den Berg
Company Secretary: Sasol Group Services (Pty) Limited (Registration Number: 2006/011591/07)

Divisional Directors: AM de Ruyter (Chairman) M Sieberhaaen (Managing Director) T Bates N Behrens LPA Davies

Bidcost



**PINCLIP
INDUSTRIES**

MANUFACTURERS & PLATERS
OF STRIP & WIRE FORMED COMPONENTS

PINCLIP INDUSTRIES (PTY) LTD
SPIN STREET, SACKS CIRCLE
BELLVILLE SOUTH 7530
P.O. BOX 6 BELLVILLE 7535
TEL: (021) 951 - 2237
FAX: (021) 951 - 2686

NON-SLIP PACKAGING BUCKLE SPECIFICATION

Product Code: PC B148 GT

Type: 12mm Non-Slip Packaging Buckle for use with
12mm poly-propylene strapping

Material to be used: Galvanised wire of diameter 2,80mm

Bent characteristic: Bends to be clean and burr free. Ends to be burr free.
Wire to be free of sharp score marks around its
circumference to allow for free movement of strap for
tightening and re-tightening.

JOHANNESBURG: TEL: (011) 455 - 6148 • FAX: (011) 455 - 6143
DURBAN: TEL: (031) 578 - 1077 • FAX: (031) 578 - 2051
REG. NO. 19630585007

DIRECTORS
M. RUSCH (MANAGING)
R. PAYN
M. HONIG



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

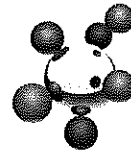
Use	Polymer for extrusion, injection moulding, blow moulding & thermoforming applications.
Uses advised against	Heat, flames and sparks.

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



Material Safety Data Sheet

Polypropylene

Version 1.00

Revision Date 10.03.2011

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.

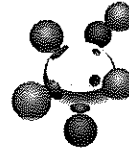
Hazard statements : This substance is not classified as dangerous according to GHS.

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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Polypropylene

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Revision Date 10.03.2011

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.

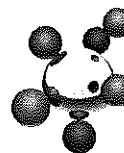
Symbol(s)

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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Polypropylene

Version 1.00

Revision Date 10.03.2011

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 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

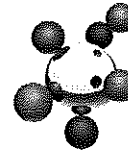
At room temperature the product is not considered harmful when swallowed.

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



Material Safety Data Sheet

Polypropylene

Version 1.00

Revision Date 10.03.2011

SECTION 5. Fire-fighting measures

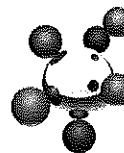
- 5.1 Suitable extinguishing media** *Dry chemical, Carbon dioxide (CO₂), Water spray*
- 5.2 Special hazards arising from the substance or mixture** *Substance evolves carbon dioxide, carbon monoxide and other hydrocarbons when burnt., These gases may be suffocating or toxic in confined spaces.*
- 5.3 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*



Material Safety Data Sheet

Polypropylene

Version 1.00

Revision Date 10.03.2011

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.

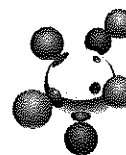
Eye protection No eye protection is required under normal conditions. Molten polymer: Wear safety glasses with side shields.

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	<i>no data available</i>
Acute dermal toxicity	<i>no data available</i>

Irritation and corrosion

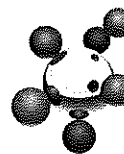
Skin irritation	<i>no data available</i>
Eye irritation	<i>no data available</i>

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*

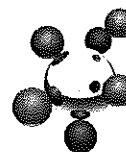
**Physico-chemical
removability** *no data available*

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.

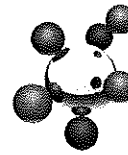
14.6 Special precautions for users

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



28 April 2011

HKR102

Statement on the regulatory status of Sasol Polymers' products intended for use in food contact applications

Identification

Grade name: HKR102
Type of polymer: Polypropylene homopolymer
CAS number: 9003-07-0
Identity of manufacturer: Sasol Polymers, a division of Sasol Chemical Industries Limited (Reg. no. 1968/013914/06), a company incorporated and existing under the laws of South Africa.
Origin of product: Sasol Polymers produces polypropylene at its operations situated at Polymer Road, Sasol Works, Secunda, Republic of South Africa.

Europe

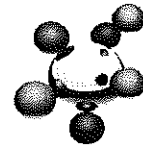
The grade listed above complies with *Regulation (EC) No 1935/2004 of 27 October 2004* (the "framework regulation" on food contact materials). Compliance is claimed based on the following:

- The grade is manufactured in accordance with the broad guidelines for good manufacturing practice as outlined in *Commission Regulation (EC) No 2023/2006 of 22 December 2006* (although no formally audited GMP system is in place at present).
- Adequate documentation-, quality assurance- and quality control measures are in place to ensure adherence to specification, consistency of composition and batch traceability.
- The grade complies with the requirements of *Commission Directive 2002/72/EC of 06 August 2002* relating to plastic materials and articles intended to come into contact with foodstuffs; more information provided below.

The grade listed above complies with *Commission Regulation (EU) No 10/2011 of 14 January 2011* as amended by *Commission Directives (EU) No 321/2011 of 1 April 2011*. Compliance is claimed based on the following:

- Only monomers listed in Annex I to *Commission Regulation (EU) No 10/2011* (as amended) are used in the production of this grade.
- Only additives listed in Annex I *Commission Regulation (EU) No 10/2011* (as amended) are used in the production of this grade.
- Where applicable additives are used in concentrations below the maximum permitted concentration ("QM") specified in the directive.
- The grade listed above contains no additive which is subject to a Specific Migration Limit ("SML") under the directive.

Users of this grade are reminded of their obligations under *Commission Regulation (EU) No 10/2011*; namely to ensure compliance of packaging articles to the overall migration limit ("OML") and specific migration limits ("SML"). Verification of compliance must be done in accordance with Annex V of *Commission Regulation (EU) No 10/2011*, i.e. either by calculation, migration modelling or migration testing in accordance with Annex V of *Commission Regulation (EU) No 10/2011* and with reference to *Directive 82/711/EEC* (as amended by *Directive 93/8/EEC* & *97/48/EEC*) using an appropriate food simulant as specified in *Directive 85/572/EEC* (as amended by *Directive 2007/19/EC*).



United States of America

The grade listed above complies with the regulations of the US Food and Drug Administration (FDA) governing the use of plastic materials in contact with food as published in the *Code of Federal Regulations 21 CFR*. Compliance is claimed based on the following:

- The basic polymer present in this grade is allowed in food contact applications under paragraph (a)(1)(i) of 21 CFR 177.1520.
- The basic polymer present in this grade is suitable for cooking & non-cooking applications as specified in paragraph (c)1.1a of 21 CFR 177.1520.
- All adjuvant substances added to the basic polymer are permitted by virtue of being GRAS (generally recognised as safe), having prior sanction or being explicitly approved for use under 21 CFR 170 through 189. The adjuvant substances in this grade are permitted in articles intended for use with:
 - Food types I - IX as specified in Table 1 of 21 CFR 176.170
 - Conditions A - H as specified in Table 2 of 21 CFR 176.170
- Please note that additional restrictions might apply for various applications. Please refer to CFR 21 for more information in this regard.

Disclaimer:

- a) This statement replaces all earlier statements from Sasol Polymers on the above mentioned topic(s). Please contact Sasol Polymers regularly for up-to-date regulatory information.
- b) This statement will remain valid until replaced by a newer version from Sasol Polymers on the above mentioned topic.
- c) Sasol Polymers provides this information in good faith, but makes no representation as to its comprehensiveness or accuracy. Individuals receiving this information must exercise their independent judgement in determining its appropriateness for a particular purpose. Accordingly, Sasol Polymers will not be responsible for damages resulting from use of or reliance upon this information.
- d) This statement only applies to virgin polymer granules or powders as supplied by Sasol Polymers and does not include:
 - Modification of the polymer by the addition of any other product to it.
 - Modification of the polymer resulting from processing.
 - Modification of the polymer resulting from storage.
- e) This statement does not claim or guarantee that any Sasol Polymers product is suitable for any specific food contact application. No blanket "food contact approval" of polymer materials and/or articles made from polymer materials is possible under the applicable regulations. Migration of substances from polymers depends to a large extent on the geometry of the article made from the polymer, the foodstuff packed in the articles and the conditions under which the foodstuff is packaged, stored and used. Sasol Polymers cannot predict or guarantee the migratory behaviour of its polymers after it has been converted into articles (mouldings, film, etc). Users are advised to subject articles made from Sasol Polymers' products to relevant calculations and/or migration modelling and/or migration testing before suitability for food contact applications is claimed.

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Directors: AM de Ruyter (Chairman) M du Toit KC Ramon C van den Berg
Company Secretary: Sasol Group Services (Pty) Limited (Registration Number: 2006/011591/07)

Divisional Directors: AM de Ruyter (Chairman) M Sieberhaen (Managing Director) T Bates N Behrens LPA Davies