



Safety Data Sheet

Low Density Polyethylene LF2220

Version 1.05

Revision Date 03.02.2017

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

Product identifier

Trade name

Low Density Polyethylene LF2220

Synonyms

Polyethylene; LDPE

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

Use

Applications in the food industry.

Manufacturer or supplier's details

Company

Sasol Chemicals, a division of Sasol South Africa (Pty) Ltd

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SECTION 2. Hazards identification

Classification of the substance or mixture

South Africa. GHS Classification and Labelling of Chemicals - SANS 10234

Classification	This substance is not classified as hazardous according to GHS.
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Label elements

South Africa. GHS Classification and Labelling of Chemicals - SANS 10234

Pictogram	Not applicable
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Signal word	Not applicable
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Hazard statements	This substance is not classified as hazardous according to GHS.
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Precautionary statements

Prevention	This substance is not classified as hazardous according to GHS.
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Response	This substance is not classified as hazardous according to GHS.
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Storage	This substance is not classified as hazardous according to GHS.
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Disposal	This substance is not classified as hazardous according to GHS.
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Remarks	This substance is not classified as hazardous according to GHS.
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Other hazards	May form combustible dust concentrations in air (during processing).
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SECTION 3. Composition/information on ingredients

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Substance

Polyethylene

Contents: ≥ 98.50 %W/W

CAS-No. 9002-88-4

Index-No.

EC-No.

For the full text of the H-Statements mentioned in this Section, see Section 16.

SECTION 4. First aid measures

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

If swallowed, call a poison control centre or doctor immediately. DO NOT induce vomiting unless directed to do so by a physician or poison control center. Never give anything by

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mouth to an unconscious person.

Most important symptoms/effects, acute and delayed

Refer to SECTION 11

SECTION 5. Firefighting measures

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

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

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

SECTION 6. Accidental release measures

Methods for cleaning up Shovel into suitable container for disposal. The material taken up must be disposed of in accordance with regulations.

Reference to other sections Refer to Section 8 and 13

SECTION 7. Handling and storage

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

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**Advice on protection
against fire and explosion** No data available

**Requirements for storage
areas and containers** Keep away from direct sunlight.Keep away from heat.

Advice on common storage No data available

SECTION 8. Exposure controls/personal protection

Components with workplace control parameters

NATIONAL OCCUPATIONAL EXPOSURE LIMITS

Contains no substances with occupational exposure limit values.

Exposure controls

Engineering measures

If user operations generate dust, fumes or mists, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Use only in an area equipped with explosion proof exhaust ventilation.

The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits.

Ensure adequate ventilation.

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.

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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

Information on basic physical and chemical properties

Form	Solid
State of matter	Solid; at 20 ° C; 1,013 hPa
Odour	Odourless.
Odour Threshold	No data available
Melting point/range	110 - 125 ° C
Flash point	341 ° C; closed cup
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Auto-ignition temperature	349 ° C
Relative vapour density	No data available
Density	0.9 - 0.94 g/cm ³ ; 20 ° C
Water solubility	Insoluble

SECTION 10. Stability and reactivity

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Reactivity	Stable under normal conditions. To avoid thermal decomposition, do not overheat.
Chemical stability	No data available
Possibility of hazardous reactions	Strong oxidizing agents
Conditions to avoid	Heat
Materials to avoid	Oxidizing agents.
Hazardous decomposition products	Carbon monoxide. Carbon dioxide (CO ₂).

SECTION 11. Toxicological information

Further Information	No known toxicological effects
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SECTION 12. Ecological information

Other adverse effects	This product has no known ecotoxicological effects.
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SECTION 13. Disposal considerations

Product	Disposal can be done with normal domestic waste. Can be recycled. Can be incinerated.
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SECTION 14. Transport information

Marine pollutant

Not a Marine Pollutant

Further Information

Not classified as dangerous in the meaning of transport regulations.

SECTION 15. Regulatory information

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

Registration, Evaluation and Authorisation of Chemicals (REACH)

All chemical constituents are listed in: Registration, Evaluation and Authorisation of Chemicals (REACH) (See chapter 3)

Inv. of Exist. Chem. Substances in China

All chemical constituents are listed in: Inv. of Exist. Chem. Substances in China (See chapter 3)

USA TSCA Inventory

All chemical constituents are listed in: USA TSCA Inventory (See chapter 3)

Canadian Domestic Substances List (DSL)

All chemical constituents are listed in: Canadian Domestic Substances List (DSL) (See chapter 3)

Australian Inv. of Chem. Substances (AICS)

All chemical constituents are listed in: Australian Inv. of Chem. Substances (AICS) (See chapter 3)

New Zealand Inventory of Chemicals (NZIoC)

All chemical constituents are listed in: New Zealand Inventory of Chemicals (NZIoC) (See chapter 3)

Jap. Inv. of Exist. & New Chemicals (ENCS)

All chemical constituents are listed in: Jap. Inv. of Exist. & New Chemicals (ENCS) (See chapter 3)

Japan. Industrial Safety & Health Law (ISHL)

All chemical constituents are listed in: Japan. Industrial Safety &

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Health Law (ISHL) (See chapter 3)

Korea. Existing Chemicals Inventory (KECI)

All chemical constituents are listed in: Korea. Existing Chemicals Inventory (KECI) (See chapter 3)

Philippines Inventory of Chemicals and Chemical Substances (PICCS)

All chemical constituents are listed in: Philippines Inventory of Chemicals and Chemical Substances (PICCS) (See chapter 3)

China Inv. Existing Chemical Substances (IECSC)

All chemical constituents are listed in: China Inv. Existing Chemical Substances (IECSC) (See chapter 3)

SECTION 16. Other information

Full text of H-Statements.

This substance contains no components with H-statement.

All reasonable efforts were exercised to compile this SDS in accordance with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS). The SDS only provides information regarding the health, safety and environmental hazards at the date of issue, to facilitate the safe receipt, use and handling of this product in the workplace and does not replace any product information or product specifications. Since Sasol and its subsidiaries cannot anticipate or control all conditions under which this 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 this 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 with respect to 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 this product.

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