Safety Data Sheet

Low Density Polyethylene LF2207M

Version 1.04 Revision Date 22.10.2024

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

Product identifier

Trade name	Low Density Polyethylene LF2207M
Synonyms	Low Density Polyethylene, Low Density Polyethylene Homopolymer, 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 Ltd
Address	Sasol Place, 50 Katherine Street Sandton 2090 South Africa
Telephone	+27103445000
E-mail address	sasolchem.info.sa@sasol.com
Emergency telephone number	+44 (0)1235 239 670 (Europe, Israel, Africa, Americas) +44(0)1235 239 671 (Middle East, Arabic African countries) +65 3158 1074 (Asia Pacific) +86 400 120 6011 (China) +27 (0)17 610 4444 (South Africa) 0800 112 890 RSA-Local only +61 (2) 8014 4558 (Australia)

SECTION 2. Hazards identification

Classification of the substance or mixture

REGULATION (EC) No 1272/2008

Classification Not a hazardous substance or mixture.

Label elements

REGULATION (EC) No 1272/2008

Not a hazardous substance or mixture.

Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3. Composition/information on ingredients

Not hazardous ingredient(s)

Polyethylene
Contents: >= 99.00 %W/W
CAS-No. 9002-88-4 **Index-No.** **EC-No.**

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 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	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 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.
Advice on protection against fire and explosion	Keep away from flames, sparks or other ignition sources.Avoid buildup of dusts.Protect against static.

Requirements for storage areas and containers	Keep away from direct sunlight.Keep away from heat.
Advice on common storage	Keep in a cool, well-ventilated place.

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.
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
Colour	white
Odour	Odourless
Odour Threshold	No data available
pH	Not applicable
Melting point/range	110 - 125 °C
Boiling point/boiling range	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Auto-ignition temperature	349 °C
Decomposition Temperature	No data available
Lower explosion limit	No data available

Upper explosion limit	No data available
Vapour pressure	Not applicable
Relative vapour density	No data available
Density	0.900 - 0.940 g/cm3; 20 °C
Bulk density	Not applicable
Water solubility	insoluble
Partition coefficient: n-octanol/water	Not applicable
Viscosity, kinematic	No data available

SECTION 10. Stability and reactivity

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 (CO2).

SECTION 11. Toxicological information

Acute oral toxicity	No data available
Acute inhalation toxicity	No data available
Acute dermal toxicity	No data available
Skin irritation	No data available
Eye irritation	No data available
Sensitisation	No data available
Repeated dose toxicity	No data available
Carcinogenicity	No data available

SECTION 12. Ecological information

Toxicity to fish	No data available
Toxicity to daphnia and other aquatic invertebrates	No data available
Toxicity to algae	No data available
Toxicity to bacteria	No data available
Toxicity to fish	No data available
Chronic toxicity in aquatic invertebrates	No data available
Biodegradability	No data available
Physico-chemical removability	No data available
Bioaccumulation	No data available

SECTION 13. Disposal considerations

Product	Disposal and spillages should be addressed with due consideration to local, regional and national legislations.

Packaging	Dispose of spent product packaging responsibly and lawfully with due consideration for health, safety and the environment.

SECTION 14. Transport information

Further Information	Not dangerous goods in the meaning of ADR/RID, ADN, IMDG-Code, ICAO/IATA-DGR

SECTION 15. Regulatory information

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

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 & 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 obligat

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.