



## Safety Data Sheet

### Low Density Polyethylene LF2220M

Version 1.01

Revision Date 28.10.2024

# Material Safety Data Sheet

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

<b>Trade name</b>	Low Density Polyethylene LF2220M		
<b>Synonyms</b>	Low Density Polyethylene, Low Density Polyethylene Homopolymer, LDPE		
<b>Use</b>	Applications in the food industry.		
<b>Company</b>	Sasol Chemicals, a division of Sasol South Africa Ltd Sasol Place, 50 Katherine Street Sandton 2090 South Africa +27103445000		
<b>Telephone</b>	CHEMTREC North America Transport Emergency (24-hr)	(800) 424-9300	
	CHEMTREC World Wide Transport Emergency (24-hr)	(703) 527-3887	
	MSDS and Product Information (8:00am-4:30pm CST)	(281) 588-3315	
	Sasol LCCC Main Gate Guard	(337) 494-5142	
<b>E-mail address</b>	SasolElectronicSDS@us.sasol.com		

## SECTION 2 Hazards identification

### Classification of the substance or mixture

**Classification** GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Not a hazardous substance or mixture.

### GHS label elements

Not a hazardous substance or mixture.

### Other hazards

None known.

## SECTION 3 Composition/information on ingredients

<u>Components</u>	<u>CAS-No.</u>	<u>Weight percent</u>
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Polyethylene

9002-88-4

>= 99.00

Exposure limit(s): See chapter 8

Classification and hazard labelling: See chapter 15

### SECTION 4 First aid measures

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

### SECTION 5 Firefighting measures

- Fire/explosion** Substance evolves toxic gases when burned.
- Hazardous combustion products** Carbon monoxide. Carbon dioxide (CO<sub>2</sub>).
- Suitable extinguishing media** Dry chemical.  
Carbon dioxide (CO<sub>2</sub>).  
Water spray.
- Protection measures and instructions** 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.

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Exposure controls/personal protection: See chapter 8

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### 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.

**Storage** Keep away from direct sunlight. Keep away from heat.

**Further information on storage conditions** **Keep in a cool, well-ventilated place.**

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### SECTION 8 Exposure controls/personal protection

#### 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

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

**Skin** No special body protection is required under normal conditions. Molten polymer: Wear heat-resistant protective clothing.

**Inhalation** 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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### Exposure Guidelines

<u>Components</u>	<u>Exposure limit(s)</u>
	China. OELs. (Occupational Exposure Limits for Chemical Substances) Permissible concentration - Time Weighted Average (PC-TWA): (5 mg/m <sup>3</sup> ) Total dust
	China. OELs. (Occupational Exposure Limits for Chemical Substances) Short term exposure limit (10 mg/m <sup>3</sup> ) Total dust

PEL= Permissible Exposure Limits  
 TLV= Threshold Limit Value  
 EL= Excursion Limit

TWA= Time Weighted Average (8 hr.)  
 STEL= Short Term Exposure Limit (15 min.)  
 WEEL= Workplace Environmental Exposure Level

## SECTION 9 Physical and chemical properties

<b>State of matter</b>	Solid
<b>Colour</b>	white
<b>Odour</b>	Odourless
<b>Form</b>	Solid
<b>Boiling point/boiling range</b>	No data available
<b>Flash point</b>	No data available
<b>Decomposition Temperature</b>	No data available
<b>Lower explosion limit</b>	No data available
<b>Upper explosion limit</b>	No data available
<b>Solubility(ies)</b>	insoluble
<b>Viscosity</b>	No data available
<b>Melting point/range</b>	110 - 125 °C
<b>Density</b>	0.900 - 0.940 g/cm <sup>3</sup> at 20 °C
<b>pH</b>	Not applicable
<b>Partition coefficient:</b>	Not applicable

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n-octanol/water

### SECTION 10 Stability and reactivity

<b>Reactivity</b>	Stable under normal conditions. To avoid thermal decomposition, do not overheat.
<b>Chemical stability</b>	No data available
<b>Conditions to avoid</b>	Heat
<b>Hazardous decomposition products</b>	Carbon monoxide. Carbon dioxide (CO <sub>2</sub> ).
<b>Materials to avoid</b>	Oxidizing agents.
<b>Hazardous polymerisation</b>	Strong oxidizing agents

### SECTION 11 Toxicological information

<b>Acute oral toxicity</b>	No data available
<b>Acute inhalation toxicity</b>	; No data available
<b>Acute dermal toxicity</b>	No data available
<b>Skin irritation</b>	No data available
<b>Eye irritation</b>	No data available
<b>Sensitisation</b>	No data available
<b>Repeated dose toxicity</b>	No data available
<b>Carcinogenicity</b>	No data available

### SECTION 12 Ecological information

<b>Ecotoxicity effects</b>	
<b>Toxicity to fish</b>	No data available
<b>Toxicity to daphnia and other aquatic invertebrates</b>	No data available
<b>Toxicity to algae</b>	No data available

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<b>Toxicity to bacteria</b>	No data available
<b>Toxicity to fish</b>	No data available
<b>Chronic toxicity in aquatic invertebrates</b>	No data available
<b>Biodegradability</b>	No data available
<b>Physico-chemical removability</b>	No data available
<b>Bioaccumulation</b>	No data available

### SECTION 13 Disposal considerations

**Waste Classification**

**Waste from residues / unused products** Disposal and spillages should be addressed with due consideration to local, regional and national legislations. Dispose of spent product packaging responsibly and lawfully with due consideration for health, safety and the environment.

Handling and storage: See chapter 7

Exposure controls/personal protection: See chapter 8

### 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

**U.S. Federal Classifications:**

**OSHA Hazards** No OSHA Hazards

**SARA 311/312** No SARA Hazards

**U.S. Regulated Ingredients:**

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### Inventories

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)

### Other international regulations

**WHMIS Classification** No data available

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## SECTION 16 Other information

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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.

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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.

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