



**Safety Data Sheet**  
According to Regulation (EC) No 1907/2006, Annex II,  
Amended by COMMISSION REGULATION (EU) 2015/830,  
According to REGULATION (EC) No 1272/2008

Polyethylene

Version 1.0

Issue date: 04-11-2019

Revision date:04-11-2019

SDS Record Number: CSSS-TCO-010-132801

**Section 1 Identification of the substance/mixture and of the company/undertaking**

**1.1 Product identifier:**

Identification on the label/Trade name: Polyethylene  
 Additional identification: EGYPTENE  
 Identification of the product: CAS# 9002-88-4; EC# -  
 Index Number: Not available  
 REACH registration No.: 01-2119462827-27-0130

**1.2 Relevant identified uses of the substance or mixture and uses advised against:**

**1.2.1 Identified uses:**

Polymer preparations and compounds.

**1.2.2 Uses advised against:**

Other uses than the identified uses indicated above.

**1.3 Details of the supplier of the safety data sheet:**

Supplier(Only representative): Ramboll Deutschland GmbH  
 Supplier(Manufacturer): Sidi Kerir Petrochemicals Co. (SIDPEC)  
 Address: Alex.: Km. 36 Alex / Cairo Desert Road  
 Al Nahda - Al Ameria  
 Alexandria - Egypt  
 Contact person(E-mail): Marketingspc@sidpec.com (technical information)  
 Telephone: + 203 4770131  
 Fax: + 203 4770900

**1.4 Emergency telephone Number:**

GIZ-Nord, Göttingen, Germany (Member of EPECS Network)

+49 (0)551 19240

Available outside office hours? YES  NO

**Section 2 Hazards Identification**

**2.1 Classification of the substance or mixture:**

**2.1.1 Classification:**

According to REGULATION (EC) No 1272/2008, based on available data, the classification criteria are not met:

REGULATION (EC) No 1272/2008	
Hazard classes/Hazard categories	Hazard codes
Not classified	N/A

**2.2 Label elements:**

**Hazard Pictograms:** No hazard pictogram is used.  
**Signal Word(S):** No signal word is used.  
**Hazard Statement:** Not applicable.

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**Precautionary statement:**

Not applicable.

**2.3 Other hazards:**

Not available.

**Section 3 Composition/information on ingredients**

**Substance/Mixture:** Substance

**Ingredient(s):**

Chemical Name	Registration No.	CAS No.	EC No.	Concentration
Polyethylene	01-2119462827-27-0130	9002-88-4	N/A	~100%

**Section 4 First aid measures**

**4.1 Description of first aid measures:**

In all cases of doubt, or when symptoms persist, seek medical attention.

**4.1.1 In case of inhalation:**

Supply fresh air; consult doctor in case of complaints.

**4.1.2 In case of skin contact:**

Wash with water and soap. If skin irritation is experienced, consult a doctor. After contact with the molten product, cool rapidly with cold water. Immediate medical treatment necessary. Failure to treat burns can prevent wounds from healing. Do not pull solidified product off the skin.

**4.1.3 In case of eyes contact:**

Rinse opened eye for several minutes under running water. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention in case of problems or if problems persist.

**4.1.4 In case of ingestion:**

Not a likely route of exposure. Induce vomiting, if large quantities are swallowed.

**4.2 Most important symptoms and effects, both acute and delayed:**

Inhalation of dust may cause irritation of the respiratory system. Dust may cause mechanical eye irritation. Burns (by liquefied material)

**4.3 Indication of any immediate medical attention and special treatment needed:**

If skin irritation or rash occurs, get medical advice/attention.

**Section 5 Firefighting measures**

**5.1 Extinguishing media:**

**Suitable extinguishing media:** Water, Fire-extinguishing powder, Carbon dioxide (CO<sub>2</sub>).

**Unsuitable extinguishing media:** Water with full jet.

**5.2 Special hazards arising from the substance or mixture**

Heating causes rise in pressure with risk of bursting. Dust may form flammable/explosive mixtures with air. In case of fire, the following can be released: Carbon monoxide (CO), Carbon dioxide (CO<sub>2</sub>), Aldehydes.

**5.3 Advice for firefighters:**

Wear self contained breathing apparatus for fire fighting if necessary.

**Section 6 Accidental release measures**

**6.1 Personal precautions, protective equipment and emergency procedures:**

**6.1.1 For non-emergency personnel:** Avoid formation of dust. Avoid breathing dust/fume/gas/mist/vapours/spray. Ensure adequate ventilation. Avoid skin contact with the liquefied material. Wear personal protection equipment.

**6.1.2 For emergency responders:** Wear an appropriate NIOSH/MSHA approved respirator if dust is generated.

<b>6.2 Environmental Precautions:</b>	Do not let large amount of product enter drains.
<b>6.3 Methods and material for Containment and Cleaning up:</b>	Remove mechanically, placing in appropriate containers for disposal.
<b>6.4 Reference to other sections:</b>	See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for information on disposal.

## Section 7 Handling and storage

### 7.1 Precautions for safe handling:

#### 7.1.1 Protective measures:

Prevent formation of dust. Avoid breathing dust/fume/gas/mist/vapours/spray. Ensure adequate ventilation. Wear personal protective equipment when dealing with hot/liquid melt. Usual measures for fire prevention.

#### 7.1.2 Advice on general occupational hygiene:

Do not eat, drink and smoke in work areas. Wash hands after use. Remove contaminated clothing and protective equipment before entering eating areas.

### 7.2 Conditions for safe storage, including any incompatibilities:

Store only in the original container. Store in a cool and dry location. Keep container tightly closed in a well-ventilated place. Keep ignition sources away. Keep away from food, drink and animal feeding stuffs. Store away from strong oxidising agents. Do not store together with organic solvents. Observe instructions for use if available. Ensure that local, federal and national legislation on storage conditions are observed.

### 7.3 Specific end use(s):

Not applicable.

## Section 8 Exposure Controls/Personal Protection

### 8.1 Control parameters:

#### 8.1.1 Occupational exposure limits:

Polyethylene(CAS#9002-88-4): The concentration threshold: Long-term exposure limit: 10 mg/m3 (Lithuania)

#### 8.1.2 Additional exposure limits under the conditions of use:

Not available.

#### 8.1.3 DNEL/DMEL and PNEC-Values:

Not available.

### 8.2 Exposure controls:

#### 8.2.1 Appropriate engineering controls:

Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. If user operations generate dust, fumes or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

#### 8.2.2 Individual protection measures, such as personal protective equipment:

##### Eye/face protection:

Tightly sealed goggles. Face protection.

##### Hand protection:

Tested protective gloves are to be worn. When handling chemical substances, chemical protective gloves must be worn with CE label including a four digit code. In the cases of special applications, it is recommended to check the chemical resistance with the manufacturer of the gloves. The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Wear heat resistant gloves when dealing with hot/liquid melt.

##### Body protection:

Select body protection specific to the task and event.

##### Respiratory protection:

If technical suction or ventilation measures are not possible or are insufficient, protective breathing apparatus must be worn. The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, a self-contained breathing apparatus must be used! Suitable respiratory protective

**Thermal hazards:**  
**8.2.3 Environmental exposure controls:**

equipment: Self-contained respiratory protective device (handling at high temperatures). Particulate filter device (in case of extensive dust generation)  
Wear suitable protective clothing to prevent heat.  
Avoid discharge into the environment.  
According to local regulations, Federal and official regulations.

## Section 9 Physical and chemical properties

### 9.1 Information on basic physical and chemical properties:

<b>Appearance:</b>	Solid
<b>Colour:</b>	Whitish
<b>Odour:</b>	Odorless
<b>Odour threshold:</b>	Not available
<b>pH:</b>	Not available
<b>Melting point/range (°C):</b>	125 - 145 °C
<b>Boiling point/range (°C):</b>	≥ 300 °C (decomposition)
<b>Flash point (°C):</b>	Not available
<b>Evaporation rate:</b>	Not available
<b>Explosion limits - lower (%):</b>	30 g/m <sup>3</sup> (mean particle size: 90 µm)
<b>Flammability (solid, gas):</b>	Combustible
<b>Ignition temperature (°C):</b>	> 350 °C
<b>Upper/lower explosive limits:</b>	Not available
<b>Vapour pressure (20°C):</b>	Not available
<b>Vapour density:</b>	Not available
<b>Relative Density:</b>	910 - 960 kg/m <sup>3</sup>
<b>Bulk density (kg/m<sup>3</sup>):</b>	480-560 kg/m <sup>3</sup> (pellet) 300-320 kg/m <sup>3</sup> (powder)
<b>Water solubility (g/l):</b>	Insoluble
<b>n-Octanol/Water (log Po/w):</b>	Not available
<b>Auto-ignition temperature:</b>	Product is not selfigniting
<b>Decomposition temperature:</b>	≥ 300 °C
<b>Viscosity, dynamic (mPa.s):</b>	Not available
<b>Explosive properties:</b>	Product does not present an explosion hazard.
<b>Oxidising properties:</b>	Not oxidizing
<b>Molecular Formula:</b>	Not available
<b>Molecular Weight:</b>	Not available

### 9.2. Other information:

<b>Fat solubility(solvent-oil to be specified)</b>	Not available
<b>etc:</b>	
<b>Surface tension:</b>	Not available
<b>Dissociation constant in water( pKa):</b>	Not available
<b>Oxidation-reduction Potential:</b>	Not available

## Section 10 Stability and reactivity

<b>10.1 Reactivity:</b>	The substance is stable under normal storage and handling conditions.
<b>10.2 Chemical stability:</b>	Stable at room temperature in closed containers under normal storage and handling conditions.

<b>10.3 Possibility of hazardous reactions:</b>	No dangerous reactions known.
<b>10.4 Conditions to avoid:</b>	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
<b>10.5 Incompatible materials:</b>	Strong oxidizing agents, Organic solvents.
<b>10.6 Hazardous decomposition products:</b>	Carbon monoxide (CO) and carbon dioxide (CO <sub>2</sub> ), Formaldehyde, Acrolein.

## Section 11 Toxicological information

### 11.1 Information on toxicological effects:

<b>Acute toxicity:</b>	
<b>LD50(Oral, Rat):</b>	Not available
<b>LC50(Inhalation, Rat):</b>	Not available
<b>LD50(Dermal, Rabbit):</b>	Not available
<b>Skin corrosion/Irritation:</b>	Not classified
<b>Serious eye damage/irritation:</b>	Not classified
<b>Respiratory or skin sensitization:</b>	Not classified
<b>Germ cell mutagenicity:</b>	Not classified
<b>Carcinogenicity:</b>	Not classified
<b>Reproductive toxicity:</b>	Not classified
<b>STOT- single exposure:</b>	Not classified
<b>STOT-repeated exposure:</b>	Not classified
<b>Aspiration hazard:</b>	Not classified

## Section 12 Ecological information

### 12.1 Toxicity:

<b>Acute (short-term) toxicity:</b>	
<b>LC50(96h, Fish):</b>	Not available
<b>LC50(48h, Crustacea):</b>	Not available
<b>EC50(72h, Algae/aquatic plants):</b>	Not available
<b>Chronic (long-term) toxicity:</b>	
<b>NOEC(Fish):</b>	Not available
<b>NOEC(Crustacea):</b>	Not available
<b>EC50(Algae/aquatic plants):</b>	Not available

**12.2 Persistence and degradability:** Not biodegradable.

**12.3 Bioaccumulative potential:** Not available.

**12.4 Mobility in soil:** Not available.

**12.5 Results of PBT and vPvB assessment:** Not available.

**12.6 Other adverse effects:** Not available.

## Section 13 Disposal considerations

**13.1 Waste treatment methods:** Any disposal practice must be in compliance with all local and national laws and regulations. Do not dump into any sewers, on the ground, or into any body of water.

## Section 14 Transport information

	<b>Land transport (ADR/RID)</b>	<b>Inland waterways (ADN)</b>	<b>Sea transport (IMDG)</b>	<b>Air transport (ICAO/IATA)</b>
<b>UN number</b>	Not regulated	Not regulated	Not regulated	Not regulated

<b>UN Proper shipping name</b>	Not regulated	Not regulated	Not regulated	Not regulated
<b>Transport hazard Class(es)</b>	Not regulated	Not regulated	Not regulated	Not regulated
<b>Packing group</b>	Not regulated	Not regulated	Not regulated	Not regulated
<b>Environmental hazards</b>	No	No	No	No
<b>Special precautions for user</b>	See section 2.2	See section 2.2	See section 2.2	See section 2.2
<b>Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not regulated	Not regulated	Not regulated	Not regulated

## Section 15 Regulatory information

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

**Relevant information regarding authorization:** Not applicable.

**Relevant information regarding restriction:** Not applicable.

**Other EU regulations:** Employment restrictions concerning young person must be observed.  
For use only by technically qualified individuals.

**Other National regulations:** Not applicable

**15.2 Chemical safety assessment** YES  NO

## Section 16 Other information

### 16.1 Indication of changes:

Version 1.0 Amended by (EU) 2015/830

### 16.2 Abbreviations and acronyms:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

RID: Regulation for rail International transportation of Dangerous goods

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

IMDG: Code international maritime dangerous goods code

ICAO: International Civil Aviation Organization

IATA: International Air Transport Association

LC50: median lethal concentration

EC50: The effective concentration of substance that causes 50% of the maximum response.

NOEC: No Observed Effect Concentration

DNEL: derived no-effect level

PNEC: predicted no-effect concentration

### 16.3 Key literature references and sources for data

ECHA Registered substances data

### 16.4 Training instructions:

Not applicable.

### 16.5 Further information:

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

### 16.6 Notice to reader:

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgment of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.

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