



# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

**SIDI KERIR PETROCHEMICALS (SIDPEC)**  
MARKETING GENERAL MANAGEMENT  
**Customer & Technical Service Management**

Version: 1

Language: EN

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## 1. Identification of the substance/mixture and of the Company/Undertaking

### 1.1 Product identifier

# Polyethylene

<b>Trade name:</b>	EGYPTENE
<b>Product Name:</b>	Polyethylene
<b>CAS-No.:</b>	9002-88-4
<b>REACH registration number:</b>	01-2119462827-27-0130 (Registration number of the ethylene monomer)

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

<b>Identified uses of the substance/mixture:</b>	Polymeres
<b>Not recommended uses of the substance/mixture:</b>	None

### 1.3 Details of the supplier of the Safety Data Sheet

#### Manufacturer

Sidi Kerir Petrochemicals Co. (SIDPEC)  
Alex.: Km. 36 Alex / Cairo Desert Road  
Al Nahda - Al Ameria  
Alexandria - Egypt

<b>Telephone:</b>	+ 203 4770131
<b>Fax:</b>	+ 203 4770900
<b>E-mail:</b>	Marketingspc@sidpec.com (for technical information)

#### Only Representative

BiPRO GmbH  
Grauertstr. 12  
81545 Munich - Germany

<b>Telephone:</b>	+49 89 189 790 50
<b>Fax:</b>	+49 89 189 790 52
<b>E-mail (competent person):</b>	mail@bipro.de

### 1.4 Emergency telephone number

GIZ Nord, Göttingen, Germany	<b>Telephone:</b>	+49 511 19 240
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## 2. Hazards identification

### 2.1 Classification of the substance or mixture

#### 2.1.1 Classification according to Regulation (EC) No 1272/2008 (CLP)

Classification according EC Regulation 1272/2008 (CLP): Not classified

#### 2.1.2 Classification according to Directive 67/548/EEC and 1999/45/EC

Classification according to Directive 67/548/EEC and 1999/45/EC: Not classified

#### 2.1.3 Additional information

None

## 2.2 Label elements

### 2.2.1 Labelling according to Regulation (EC) No 1272/2008

Labelling is not required according to Regulation (EC) No 1272/2008.

## 2.3 Other hazards

This substance does not meet the criteria for classification as PBT or vPvB.

## 3. Composition/information on ingredients

### 3.1 Substances

Substance name	EC No	CAS No	REACH registration No	Concentration (wt. %)	Classification according to Regulation (EC) No. 1272/2008 (CLP):		Classification according to Directive 67/548/EEC and 1999/45/EC:
					Hazard Class / Category Code	Hazard statement Code	
Polyethylene	-	9002-88-4	01-2119462827-27-0130 (Registration number of the ethylene monomer)	~99.99	Not classified	Not classified	Not classified

## 4. First aid measures

### 4.1 Description of first aid measures

<b>General information:</b>	Seek medical assistance if problems persist.
<b>Following inhalation:</b>	Remove to fresh air. If not breathing, administer artificial respiration. Oxygen may be given by qualified personnel. Get medical attention.
<b>Following skin contact:</b>	Wash with soap and water. In the case of contact with hot liquefied material treat skin with: cool water. Do not attempt to remove congealed product from skin. Burns caused by molten material must be treated clinically. Seek medical assistance.
<b>Following eye contact:</b>	Remove contact lenses, if easy to do. Flush eyes with plenty of water to remove particulate.
<b>Following ingestion:</b>	Not a likely route of exposure. Induce vomiting, if large quantities are swallowed.
<b>Self-protection:</b>	First aid assistant: Pay attention to self-protection.

### 4.2 Most important symptoms and effects, both acute and delayed

<b>Symptoms:</b>	Treat burnings caused by liquefied material like thermal burnings. Do not remove congealed product from skin; peels off during the healing process.
<b>Nature of Hazard:</b>	No known hazards up to now.

### 4.3 Indication of any immediate medical attention and special treatment needed

<b>Emergency aid:</b>	First Aid, decontamination, treatment of symptoms.
<b>Treatment:</b>	Symptomatic treatment.

## 5. Fire fighting measures

### 5.1 Extinguishing media

**Suitable:** Water. Carbon dioxide (CO<sub>2</sub>). Extinguishing powder.

**Unsuitable:** High power water jet.

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

Mechanical and thermal processes may produce dust and flammable vapours which may be potential explosion hazards. Tightly sealed containers may burst under fire or intense heat.

### 5.3 Advice for fire fighters

#### Special protective equipment for fire-fighters

In case of fire: Wear self-contained breathing apparatus. Full protective suit.

#### Additional information

The product is flammable and produces irritating smoke and/or hot melt. Thermal decomposition (combustion) produces carbon dioxide, carbon monoxide and other gases. Do not breathe fumes. The product burns moderately, but is not classified as combustible. Keep away unprotected people. Keep upwind.

## 6. Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

When dealing with solid product, avoid generation and inhalation of dust. When dealing with hot/liquid product special attention is necessary: avoid contact with skin, eyes and clothes, wear personal protective equipment!

### 6.2 Environmental precautions

Dumping into the environment must be prevented.

### 6.3 Methods and material for containment and cleaning up

Remove mechanically, placing in appropriate containers for disposal.

### 6.4 Reference to other sections

Waste disposal according to official state regulations. See chapter 13.

## 7. Handling and storage

### 7.1 Precautions for safe handling

#### Information for safe handling

Keep container dry. Store in a well-ventilated place. When using do not eat, drink or smoke. Avoid generation of dust. Wear personal protective equipment when dealing with hot/liquid melt.

#### Technical measures

Provide for sufficient ventilation and punctiform suction at critical points. Use process enclosures, local exhaust ventilation or other engineering controls to keep airborne levels below recommended exposure limit.

#### Precautions against fire and explosion

Keep away from sources of ignition.

#### Additional information

Observe instructions for use if available.

## 7.2 Conditions for safe storage, including any incompatibilities

### Technical measures and storage conditions

Store in a well-ventilated place.

### Packaging materials

Keep/Store only in original container.

### Requirements for storerooms and containers

Remove all sources of ignition.

### Information about storing together in storage facility

Keep away from food, drinks and animal feedingstuffs. Store packaging and combustible materials separately from one another.

### Further information concerning storage conditions

Observe instructions for storage if available.

**Storage class:** 11 combustible solids (self classification)

## 7.3 Specific end use(s)

Observe instructions for use if available.

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## 8. Exposure controls / Personal protection

### 8.1 Control parameters

#### 8.1.1 Limits for occupational exposure

**Polyethylene:** no data has been indicated/identified.  
Source: GESTIS international limit values

#### 8.1.2 DNEL and PNEC values

##### DNEL-values

No data available.

##### PNEC-values

No data available.

#### 8.1.3 Control-Banding

No data available.

### 8.2 Exposure controls

#### Occupational exposure controls

Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

#### Chemical handling

Avoid generation and inhalation of dust.

#### Personal protection equipment

Wear personal protection equipment.

**Respiratory protection**

A self contained breathing apparatus should be used to avoid inhalation of the product when exposed to high temperatures.

**Hand protection**

Use chemical-resistant, impervious gloves. In case of handling with hot/liquid product, gloves should additionally be heat-resistant.

**Eye protection**

Use tightly sealed safety goggles.

**Skin protection**

Wear suitable protective clothing: apron, boots.

**Environmental exposure controls**

Refer to chapter 6. No further action is necessary.

**Consumer exposure controls**

Refer to chapter 7. No further action is necessary.

## 9. Physical and chemical properties

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

**Appearance**

State of matter: Solid  
 Colour: Slightly white  
 Odour: Odourless  
 Odour threshold: None

Safety relevant basis data	Value	Unit	Remark
Density:	916-960.5	kg/m <sup>3</sup>	
Package density:			No data available
pH:			Not applicable
Melting point / range:	130 – 145	C°	
Boiling temperature / range:			Not applicable
Flash point:	> 650	F°	ASTM E136
Flammability:			Not applicable
Lower flammability limit:			No data available
Upper flammability limit:			No data available
Explosion hazard:			Not explosive
Lower explosion limit:			Not applicable
Upper explosion limit:			Not applicable
Ignition temperature:			Not applicable
Decomposition temperature:			Not applicable

<b>Oxidizing characteristics:</b>	Not oxidizing
<b>Vapour pressure:</b>	Not applicable
<b>Relative vapour density:</b>	Not applicable
<b>Speed of vaporization/ evaporation rate:</b>	Not applicable
<b>Solubility in water:</b>	Not soluble
<b>log P O/W (n-octanol / water):</b>	No data available.
<b>Viscosity:</b>	Not applicable.

## 9.2 Other information

None.

## 10. Stability and reactivity

### 10.1 Reactivity

Not reactive.

### 10.2 Chemical stability

Chemically stable.

### 10.3 Possibility of hazardous reactions

Dust may form explosive mixtures with air.

### 10.4 Conditions to avoid

Heat, flames, sparks, high temperatures, UV.

### 10.5 Incompatible materials

Strong oxidizing agents, organic solvents

### 10.6 Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. In case of fire: carbon dioxide (CO<sub>2</sub>), carbon monoxide (CO) and other decomposition products.

## 11. Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

Product is not classified as toxic. High dust concentrations may lead to irritations of eyes and respiratory tract. Contact with molten material can cause severe thermal burns.

#### Specific symptoms in laboratory animals

No data available.

### 11.2 Irritation and etching

**Irritant effect on the skin**  
**Irritant effect on the eye**

Contact with molten material can cause severe thermal burns.  
Dust may cause irritation or corneal injury due to mechanical action.

**Irritant effect on respiratory tract  
Etching**

Dust may cause irritation of the respiratory tract.  
Not corrosive.

**11.3 Sensitization**

Not skin sensitizing.

**11.4 Repeated dose toxicity**

No data available.

**11.5 CMR effects****Carcinogenicity**

No data available.

**Mutagenicity**

No data available.

**Reproductive toxicity**

No data available.

**12. Ecological information****12.1 Toxicity**

Product is not classified as toxic to aquatic organisms.

**12.2 Persistence and degradability**

Low biodegradability.

**12.3 Bioaccumulative potential**

Bioaccumulative potential.

**12.4 Mobility in soil**

No data available.

**12.5 Results of PBT and vPvB assessment**

This substance does not meet the criteria for classification as PBT or vPvB.

**12.6 Other adverse effects**

No data available.

**13. Disposal considerations****13.1 Waste treatment methods****Appropriate disposal/product**

Waste disposal according to official state regulations. Material recycling possible. Consult waste material exchange system about disposal.

**Appropriate disposal/packaging**

Handle contaminated packaging in the same way as the substance itself. Cleaned containers may be recycled.

**Control report for waste code/ waste marking according to EWC**

Refer to your local waste disposal company.

**14. Transport information****14.1 UN Number**

Not classified according to the ADR.

## 14.2 UN proper shipping name

**ARD/RID**

Not classified according to the ADR.

**IMDG-Code / ICAO-TI / IATA-DGR**

Not relevant.

## 14.3 Transport hazard class(es)

Not relevant.

## 14.4. Packing group

Not relevant.

## 14.5. Environmental hazards

**Hazard code(s)**

ARD/RID / IMDG-Code / ICAO-TI / IATA – DGR: no

Marine pollutant: no

## 14.6 Special precautions for users

Refer to chapters 6 – 8.

## 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not relevant.

## 14.8 Further limitations and legal requirements

Unknown.

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## 15. Regulatory information

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

**EU-Regulations**

Not subject to Directive 1999/13/EC on the limitation of emissions of volatile organic compounds (VOC-RL), Regulation (EC) No 2037/2000 on substances that deplete the ozone layer, Regulation (EC) No 850/2004 on persistent organic pollutants, Regulation (EC) No 689/2008 concerning the export and import of dangerous chemicals, Regulation (EC) No 648/2004 (Detergents regulation) and/or Restrictions under Title VIII of Regulation (EC) No 1907/2006.

**National regulations**

Moreover, national legislation has to be observed!

**Information on working limitations**

Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers. Observe employment restrictions under the law for the protection of young people at work (94/33/EC). Observe regulation 98/24/EC for employee health protection against the threat of chemical substances in the workplace.

**Major Accidents Ordinance**

Not relevant.

**Storage class according to VCI (DE)**

11 combustible solids (self classification)



**Water Hazard Class according to VwVwS (DE)**

0 not a water pollutant

**15.2 Chemical safety assessment**

This product is a polymer – according to Regulation (EC) 1907/2006 polymers are exempted from the registration obligations. Therefore no chemical safety assessment has been carried out.

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**16. Other information****16.1 Wording of the H and R-phrases under paragraph 2 and 3**

No wording relevant since substance is not classified as hazardous according to Regulation (EC) No 1272/2008 (CLP) and Directive 67/548/EEC and/or 1999/45/EC.

**16.2 Training instructions**

The product should only be handled by persons over the age of 18, who were informed sufficiently about the dangerous nature of the product and about the necessary safety precautions.

**16.3 Further remarks**

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

**16.4 Documentation of changes**

None.

**16.5 Data sources**

Data arise from reference works and literature.

**16.6 Key and definition**None.

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