



Partners in Success

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## Safety data sheet

according to 1907/2006/EC, Article 31, as amended by UK  
REACH Regulation SI 2019/758 and further amendments

Printing date 06.01.2025

Version number 1

Revision: 06.01.2025

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

#### 1.1 Product identifier

**Trade name:** POLYETHYLENE EGDA-6888, EMDA-6147, EMDA-6200, EPDA-5040, EMDA-8920, CDPW-1009, CDPW-1005, CDPW-1023, HDF-3000, HBM-3000, HIM-3000, EMDA-6105, CDPW-1105, HBM-3105

**CAS number:** 25213-02-9

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

**Application of the substance / the preparation:** Raw material for plastics.

#### 1.3 Details of the supplier of the safety data sheet

**Manufacturer/Supplier:**

EQUATE Petrochemical Company (K.S.C.C.)

P.O. Box 9717, Ahmadi 61008, Kuwait

Tel: (+965) 1-898-888

Email: RD\_Tech\_Ser\_Grp@equate.com

#### 1.4 Emergency telephone number(s):

NCEC - English Support Only:

EMEA/Worldwide: +44 1865 407333

Americas/Worldwide +1 202 464 2554

APAC/Worldwide: +65 3165 2217

NHS Direct: 111

National Poisons Information Service (NPIS): 0121 507 4123 (healthcare professionals only).

Ireland - National Poisons Information Centre: 01 837 9964 or 01 809 2566 (healthcare professionals only).

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

**Classification according to Regulation (EC) No 1272/2008**

The substance is not classified, according to the GB CLP regulation.

#### 2.2 Label elements

**Labelling according to Regulation (EC) No 1272/2008:** Not applicable.

**Hazard pictograms:** Not applicable.

**Signal word:** Not applicable.

**Hazard statements:** Not applicable.

#### 2.3 Other hazards

**Results of PBT and vPvB assessment**

**PBT:** Not applicable.

**vPvB:** Not applicable.

### SECTION 3: Composition/information on ingredients

#### 3.1 Substances

**CAS Number. Description.**

25213-02-9 1-Hexene, polymer with ethene > 99%

N/A Additives < 1%



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### Identification number(s)

CAS	EINECS	Name
74-85-1	200-815-3	Ethylene
592-41-6	209-753-1	Hex-1-ene

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

**General information:** No special measures required.

**After inhalation:** Move patient to fresh air, if symptoms persist consult a doctor.

**After skin contact:** Generally the product does not irritate the skin.

**After eye contact:** Rinse opened eye for several minutes under running water.

**After swallowing:** If symptoms persist, consult a doctor.

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

No further relevant information available.

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

No further relevant information available.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

**Suitable extinguishing agents:**

CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

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

In case of fire, the following can be released:

Carbon monoxide (CO)

Under certain fire conditions, traces of other toxic gases cannot be excluded.

### 5.3 Advice for firefighters

**Protective equipment:**

Wear self-contained respiratory protective device.

Wear fully protective suit.

## SECTION 6: Accidental release measures

**6.1 Personal precautions, protective equipment and emergency procedures** Not required.

**6.2 Environmental precautions** Do not allow to enter sewers/ surface or ground water.

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

Retrieve the product by mechanical means.

### 6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

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### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

Prevent formation of dust.

Ensure good ventilation/exhaustion at the workplace.

**Information about fire - and explosion protection:** No special measures required.

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

**Requirements to be met by storerooms and receptacles:** No special requirements.

**Information about storage in one common storage facility:** Store away from oxidising agents.

**Further information about storage conditions:** None.

**7.3 Specific end use(s):** No further relevant information available.

### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

**Ingredients with limit values that require monitoring at the workplace:** Not required.

**Additional information:** The lists valid during the making were used as basis.

#### 8.2 Exposure controls

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

##### General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

**Respiratory protection:** Not required.

##### Hand protection



Protective gloves.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

##### Eye/face protection



Safety glasses with side-shields (EN 166).

**Body protection:** Protective work clothing.

### SECTION 9: Physical and chemical properties

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

##### General Information

**Colour:**

Opaque



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<b>Odour:</b>	Odourless.
<b>Odour threshold:</b>	Not determined.
<b>Melting point/freezing point:</b>	118 –138 °C
<b>Boiling point or initial boiling point and boiling range</b>	Not determined.
<b>Flammability</b>	Product is not flammable.
<b>Lower and upper explosion limit</b>	
<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.
<b>Flash point:</b>	Not applicable.
<b>Auto-ignition temperature:</b>	349 °C
<b>Decomposition temperature:</b>	Not determined.
<b>pH</b>	Not applicable.
<b>VOC (EC):</b>	
<b>Dynamic:</b>	Not applicable.
<b>Solubility</b>	
<b>Water:</b>	Insoluble.
<b>Partition coefficient n-octanol/water (log value)</b>	Not determined.
<b>Vapour pressure:</b>	Not applicable.
<b>Density and/or relative density</b>	
<b>Density:</b>	Not determined.
<b>Relative density</b>	Not determined.
<b>Vapour density</b>	Not applicable.
<b>Particle characteristics</b>	See section 3.
<b>9.2 Other information</b>	No further relevant information available.
<b>Appearance:</b>	
<b>Form:</b>	Pellets
<b>Ignition temperature:</b>	Not determined.
<b>Explosive properties:</b>	Product does not present an explosion hazard.
<b>Evaporation rate</b>	Not applicable.
<b>Information with regard to physical hazard classes</b>	
<b>Explosives</b>	Not applicable.
<b>Flammable gases</b>	Not applicable.
<b>Aerosols</b>	Not applicable.
<b>Oxidising gases</b>	Not applicable.
<b>Gases under pressure</b>	Not applicable.
<b>Flammable liquids</b>	Not applicable.
<b>Flammable solids</b>	Not applicable.
<b>Self-reactive substances and mixtures</b>	Not applicable.
<b>Pyrophoric liquids</b>	Not applicable.
<b>Pyrophoric solids</b>	Not applicable.
<b>Self-heating substances and mixtures</b>	Not applicable.
<b>Substances and mixtures, which emit flammable gases in contact with water</b>	Not applicable.
<b>Oxidising liquids</b>	Not applicable.
<b>Oxidising solids</b>	Not applicable.
<b>Organic peroxides</b>	Not applicable.



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**Corrosive to metals**

Not applicable.

**Desensitised explosives**

Not applicable.

### SECTION 10: Stability and reactivity

#### 10.1 Reactivity

No data available.

No further relevant information available.

#### 10.2 Chemical stability

**Thermal decomposition / conditions to be avoided:**

No decomposition if used and stored according to specifications.

#### 10.3 Possibility of hazardous reactions

Reacts with strong oxidising agents.

Risk of dust explosion.

**10.4 Conditions to avoid** No further relevant information available.

**10.5 Incompatible materials** No further relevant information available.

**10.6 Hazardous decomposition products** Carbon monoxide and carbon dioxide.

### SECTION 11: Toxicological information

#### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

**Acute toxicity** Based on available data, the classification criteria are not met.

**LD/LC50 values:** No further relevant information available.

**Potential Health Effects:**

**Primary irritant effect:**

**Skin corrosion/irritation:** Based on available data, the classification criteria are not met.

**Serious eye damage/irritation:** Based on available data, the classification criteria are not met.

**Respiratory or skin sensitisation:** Based on available data, the classification criteria are not met.

**Germ cell mutagenicity:** Based on available data, the classification criteria are not met.

**Carcinogenicity:** Based on available data, the classification criteria are not met.

**Reproductive toxicity:** Based on available data, the classification criteria are not met.

**STOT-single exposure:** Based on available data, the classification criteria are not met.

**STOT-repeated exposure:** Based on available data, the classification criteria are not met.

**Aspiration hazard:** Based on available data, the classification criteria are not met.

#### 11.2 Information on other hazards

##### 11.2.1 Endocrine disrupting properties

Substance is not listed.

### SECTION 12: Ecological information

#### 12.1 Toxicity

**Aquatic toxicity:** No further relevant information available.



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**12.2 Persistence and degradability** No further relevant information available.

**12.3 Bioaccumulative potential** No further relevant information available.

**12.4 Mobility in soil** No further relevant information available.

### 12.5 Results of PBT and vPvB assessment

**PBT:** Not applicable.

**vPvB:** Not applicable.

### 12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

### 12.7 Other adverse effects

#### Additional environmental information:

#### General notes:

Water hazard class 1 (German Regulation) (Self-assessment): Slightly hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

**Recommendation:** Smaller quantities can be disposed of with household waste.

#### Uncleaned packaging:

#### Recommendation:

Disposal must be made in accordance with official regulations.

Packaging that may not be cleansed must be disposed of in the same manner as the product.

## SECTION 14: Transport information

### 14.1 UN number or ID number

ADR, ADN, IMDG, IATA

Not applicable.

### 14.2 UN proper shipping name

ADR, ADN, IMDG, IATA

Not applicable.

### 14.3 Transport hazard class(es)

ADR, ADN, IMDG, IATA

Class

Not applicable.

### 14.4 Packing group

ADR, IMDG, IATA

Not applicable.

### 14.5 Environmental hazards

**Marine pollutant:**

No

### 14.6 Special precautions for user

Not applicable.

### 14.7 Maritime transport in bulk according to IMO instruments

Not applicable.



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### SECTION 15: Regulatory information

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

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006, as amended (including amendments introduced by Regulation (EU) 2020/878).

#### **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

Substance is not listed.

#### **REGULATION (EU) 2019/1148**

#### **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

Substance is not listed.

#### **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

Substance is not listed.

#### **Regulation (EC) No 273/2004 on drug precursors**

Substance is not listed.

#### **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

Substance is not listed.

#### 15.2 Chemical safety assessment A Chemical Safety Assessment has not been carried out.

### SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

#### **Recommended restriction of use**

**NOTICE:** No freedom from any patent is to be inferred. Because use conditions and applicable laws may differ from one location to another and may change with time, Customer is responsible for determining whether products and the information in this document are appropriate for Customer's use and for ensuring that Customer's workplace and disposal practices are in compliance with applicable laws and other government enactments. EQUATE assumes no obligation or liability for the information in this document. NO WARRANTIES ARE GIVEN; ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY EXCLUDED.

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**Date of previous version:** 09.12.2024

#### **Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)



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ICAO: International Civil Aviation Organisation

WEL: Workplace Exposure Limits

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent