



Partners in Success

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## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 09.12.2020

Version number 1

Revision: 09.12.2020

### 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

#### 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: 965-2325 2325

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

**Further information obtainable from:**

B-Lands Consulting

5 Place Robert Schuman, BP 1516

38025 Grenoble, FRANCE

Tel: +33 476 295 869

Fax: +33 476 295 870

Email: clients@reachteam.eu

www.reachteam.eu

#### 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 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.



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**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%

**Identification number(s)**

CAS	EINECS	Name	REACH
74-85-1	200-815-3	Ethylene	01-2119462827-27-0139

**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.

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See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

### 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

##### Personal protective equipment

##### General protective and hygienic measures:

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

**Respiratory protection:** Not required.

##### Protection of hands:



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 protection:



Safety glasses with side-shields (EN 166).

**Body protection:** Protective work clothing.

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**Trade name:** POLYETHYLENE EGDA-6888, EMDA-6147, EMDA-6200, EPDA-5040, EMDA-8920**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties****General Information****Appearance:**

**Form:** Pellets  
**Colour:** Opaque

**Odour:** Odourless.  
**Odour threshold:** Not determined.

**pH-value:** Not applicable.

**Melting point/freezing point:** 118 –138 °C

**Initial boiling point and boiling range:** Not determined.

**Flash point:** Not applicable.

**Flammability (solid, gas):** Product is not flammable.

**Ignition temperature:** 349 °C

**Decomposition temperature:** Not determined.

**Auto-ignition temperature:** Not determined.

**Explosive properties:** Product does not present an explosion hazard.

**Explosion limits:**

**Lower:** Not determined.  
**Upper:** Not determined.

**Vapour pressure:** Not applicable.

**Density:** Not determined.

**Relative density** Not determined.

**Vapour density** Not applicable.

**Evaporation rate** Not applicable.

**Solubility in / Miscibility with  
Water:**

Insoluble.

**Partition coefficient: n-octanol/water:** Not determined.

**Viscosity:**

**Dynamic:** Not applicable.  
**Kinematic:** Not applicable.

**9.2 Other information** No further relevant information available.

**SECTION 10: Stability and reactivity****10.1 Reactivity**

No data available.

No further relevant information available.



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### 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 toxicological effects

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

**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.

**CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):**

**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.

## SECTION 12: Ecological information

### 12.1 Toxicity

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

**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.

**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.

### 12.5 Results of PBT and vPvB assessment

**PBT:** Not applicable.

**vPvB:** Not applicable.

**12.6 Other adverse effects** No further relevant information available.



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### 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

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

Not applicable.

### 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.

##### Directive 2012/18/EU

**Named dangerous substances - ANNEX I** None of the ingredients are 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.

**NOTICE REGARDING MEDICAL APPLICATION RESTRICTIONS:** EQUATE Petrochemical Company does not recommend any EQUATE product or sample product for use: (A) in any commercial or



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developmental application which is intended for contact with human internal body fluids or body tissues, regardless of the length of time involved. (B) in any cardiac prosthetic device application, regardless of the length of the time involved, including, without limitation, pacemaker leads and devices, artificial hearts, heart valves, intra-aortic balloons and control systems, and ventricular bypass assisted devices; (c) as a critical component in any medical device that supports or sustains human life; and (D) specifically by pregnant women or in any applications designed specifically to promote or interfere with human reproduction.

### 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)

ICAO: International Civil Aviation Organisation

ADR: Accord européen sur le transport 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)