SAFETY DATA SHEET
Prepared in accordance with the provisions of KKDIK Annex-2 Regulation, 23.06.2017, No: 30105

# Shell Polymers Polyethylene Hexene Copolymer

Initial release date: 2024/02/12
Revision Date: 13.02.2025
Version 1.5
SDS Number: 800010033167

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

### 1.1 Product identifier

| | | |
|---|---|---|
| Trade name | : | Shell Polymers Polyethylene Hexene Copolymer |
| Product code | : | E6203, E6204, E6205, E6211, E6213, E6212, E6224, E6206, E6208, E6028, E6011, E6115, E6027, E6152, E6038, E6029, E6000, E6102, E6112, E6111, E6151, E6001, E6008, E6039, E6002, E6103, E6106, E6137, E6031, E6032, E6135, E6154, E6269, E6268, E6272, E6156, E6273, E6158, E6270, E6157, E6160, E6161, E6278, E6279, E6050, E6282 |
| CAS-No. | : | 25213-02-9 |
| Other means of identification | : | 18F1H, 18F1H1, 18F1H2, 18F1M, 18F1M6, 18F1M8, 18F4M, 18F5M, 23F1M, 25F08H, 25F08H1, 35R5U, 35R7U, 39P02U, 39R4U, 46B035, 46BG6HLU, 48BG9HL, 48N5, 48P9HL, 49B10HL, 49P024, 49P9HL, 51P9HL, 52N7, 52N10, 54BG6HL, 54N20, 55B035, 55B035A, 55B035S, 62NS8, 62NS8U |

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

| | | |
|---|---|---|
| Use of the Substance/Mixture | : | Thermoplastic resin for extrusion, film blowing, or moulding applications. |
| Recommended restrictions on use | : | Manufacture of FDA Class II and III medical devices and storage or containment of radioactive materials., This product must not be used in applications other than the above without first seeking the advice of the supplier.<br>This product must not be used in applications other than those listed in Section 1 without first seeking the advice of the supplier. |

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

| | | |
|---|---|---|
| Company | : | **Shell Chemicals Europe B.V.**<br>PO Box 2334<br>3000 CH Rotterdam<br>Netherlands |
| Telephone | : | +31 (0)10 441 5137 / +31 (0)10 441 5191 |
| Telefax | : | +31 (0)20 716 8316 / +31 (0)20 713 9230 |
| E-mail address of person responsible for the SDS | : | sccmsds@shell.com |

### 1.4 Emergency telephone number

| | | |
|---|---|---|
| Emergency telephone number | : | +44 (0) 1235 239 670 (This telephone number is available 24 hours per day, 7 days per week)<br>National Poison Counselling Centre (UZEM) – 114 |

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Classification T.R. SEA No 28848**

Based on available data this substance / mixture does not meet the classification criteria.

### 2.2 Label elements

**Labelling T.R. SEA No 28848**

| | | | |
|---|---|---|---|
| Hazard pictograms | : | No Hazard Symbol required | |
| Signal word | : | No signal word | |
| Hazard statements | : | | PHYSICAL HAZARDS:<br>Not classified as a physical hazard under GHS criteria.<br>HEALTH HAZARDS:<br>Not classified as a health hazard under GHS criteria.<br>ENVIRONMENTAL HAZARDS:<br>Not classified as an environmental hazard under GHS criteria. |
| Precautionary statements | : | **Prevention:** | No precautionary phrases. |
| | | **Response:** | No precautionary phrases. |
| | | **Storage:** | No precautionary phrases. |
| | | **Disposal:** | No precautionary phrases. |

### 2.3 Other hazards

Spilled product may present a dangerous slipping hazard.

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

| | | |
|---|---|---|
| Substance name | : | Polyethene, 25213-02-9 |

**Hazardous components**

| Chemical name | CAS-No.<br>EC-No.<br>Registration number | T.R. SEA No 28848 | Concentration (% w/w) |
|---|---|---|---|
| Polymer of ethene / hex-1-ene | 25213-02-9 | | >= 99 |

Remarks : No Hazardous ingredients, or are below required disclosure limits

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

General advice : Not expected to be a health hazard when used under normal conditions.

Protection of first-aiders : When administering first aid, ensure that you are wearing the appropriate personal protective equipment according to the incident, injury and surroundings.

If inhaled : No treatment necessary under normal conditions of use.
If symptoms persist, obtain medical advice.

In case of skin contact : Remove contaminated clothing. Flush exposed area with water and follow by washing with soap if available.
If persistent irritation occurs, obtain medical attention.

In case of eye contact : Flush eye with copious quantities of water.
Remove contact lenses, if present and easy to do. Continue rinsing.
If persistent irritation occurs, obtain medical attention.

If swallowed : In general no treatment is necessary unless large quantities are swallowed, however, get medical advice.

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

Symptoms : Not considered to be an inhalation hazard under normal conditions of use.
Possible respiratory irritation signs and symptoms may include a temporary burning sensation of the nose and throat, coughing, and/or difficulty breathing.

No specific hazards under normal use conditions.
Skin irritation signs and symptoms may include a burning sensation, redness, or swelling.

No specific hazards under normal use conditions.
Eye irritation signs and symptoms may include a burning sensation, redness, swelling, and/or blurred vision.

No specific hazards under normal use conditions.
Ingestion may result in nausea, vomiting and/or diarrhoea.

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

| | | |
|---|---|---|
| Treatment | : | Call a doctor or poison control center for guidance.<br>Treat symptomatically. |

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

| | | |
|---|---|---|
| Suitable extinguishing media | : | Foam, water spray or fog. Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only. |
| Unsuitable extinguishing media | : | Do not use water in a jet. |

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

| | | |
|---|---|---|
| Specific hazards during firefighting | : | Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.<br>Hazardous combustion products may include:<br>A complex mixture of airborne solid and liquid particulates and gases (smoke).<br>Carbon monoxide may be evolved if incomplete combustion occurs.<br>Unidentified organic and inorganic compounds. |

### 5.3 Advice for firefighters

| | | |
|---|---|---|
| Special protective equipment for firefighters | : | Proper protective equipment including chemical resistant gloves are to be worn; chemical resistant suit is indicated if large contact with spilled product is expected. Self-Contained Breathing Apparatus must be worn when approaching a fire in a confined space. Select fire fighter's clothing approved to relevant Standards (e.g. Europe: EN469). |
| Specific extinguishing methods | : | Standard procedure for chemical fires. |
| Further information | : | Clear fire area of all non-emergency personnel.<br>Keep adjacent containers cool by spraying with water. |

## SECTION 6: Accidental release measures

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

Personal precautions :

Observe all relevant local and international regulations.
Avoid raising a dust cloud.
Material can create slippery conditions.
Avoid contact with skin, eyes and clothing.
Isolate hazard area and deny entry to unnecessary or unprotected personnel.
Do not breathe fumes, vapour.
Do not operate electrical equipment.

### 6.2 Environmental precautions

Environmental precautions : Prevent from spreading or entering into drains, ditches or rivers by using sand, earth, or other appropriate barriers.
Use appropriate containment to avoid environmental contamination.
Ventilate contaminated area thoroughly.

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

Methods for cleaning up : Prevent from spreading or entering into drains, ditches or rivers by using sand, earth, or other appropriate barriers.

### 6.4 Reference to other sections

For guidance on selection of personal protective equipment see Section 8 of this Safety Data Sheet., For guidance on disposal of spilled material see Section 13 of this Safety Data Sheet.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Technical measures : Avoid breathing of or direct contact with material. Only use in well ventilated areas. Wash thoroughly after handling. For guidance on selection of personal protective equipment see Section 8 of this Safety Data Sheet.
Use the information in this data sheet as input to a risk assessment of local circumstances to help determine appropriate controls for safe handling, storage and disposal of this material.

Advice on safe handling : Avoid contact with skin, eyes and clothing.
Avoid generation or accumulation of dusts.
Avoid breathing dust.
Take precautionary measures against static discharges.
Ensure all equipment is electrically grounded before beginning transfer operations.

Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations.
Refer to NFPA 654, Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids, for safe handling.
Avoid generating heat during transfer operations.
Spills may present a slip hazard.

Hygiene measures : Wash hands before eating, drinking, smoking and using the toilet. Launder contaminated clothing before re-use.

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

Requirements for storage areas and containers : Take measures to prevent the build up of electrostatic charge. Keep tightly closed in a dry and cool place. Refer to section 15 for any additional specific legislation covering the packaging and storage of this product.

Other data : Tanks must be clean, dry and rust-free. Must be stored in a diked (bunded) well- ventilated area, away from sunlight, ignition sources and other sources of heat. Drums should be stacked to a maximum of 3 high.

Storage Temperature: Ambient.

Refer to section 15 for any additional specific legislation covering the packaging and storage of this product.

Packaging material : Suitable material: For containers or container linings, use mild steel or high density polyethylene.

**7.3 Specific end use(s)**

Specific use(s) : Ensure that all local regulations regarding handling and storage facilities are followed.

## SECTION 8: Exposure controls/personal protection

**8.1 Control parameters**

**Biological occupational exposure limits**

No biological limit allocated.

**8.2 Exposure controls**

**Engineering measures**

Adequate ventilation to control airborne concentrations.
Local exhaust ventilation is recommended.
Eye washes and showers for emergency use.

The level of protection and types of controls necessary will vary depending upon potential exposure conditions. Select controls based on a risk assessment of local circumstances. Appropriate measures include:
General Information
Define procedures for safe handling and maintenance of controls.
Educate and train workers in the hazards and control measures relevant to normal activities associated with this product.
Ensure appropriate selection, testing and maintenance of equipment used to control exposure, e.g. personal protective equipment, local exhaust ventilation.
Drain down system prior to equipment break-in or maintenance.
Retain drain downs in sealed storage pending disposal or subsequent recycle.
Always observe good personal hygiene measures, such as washing hands after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Discard contaminated clothing and footwear that cannot be cleaned. Practice good housekeeping.

**Personal protective equipment**

| | | |
|---|---|---|
| Eye protection | : | Safety glasses with side-shields |
| Hand protection | | |
| Remarks | : | Recommended preventive skin protection Protective gloves against thermal risks Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material, dexterity. Always seek advice from glove suppliers. Contaminated gloves should be replaced. Personal hygiene is a key element of effective hand care. Gloves must only be worn on clean hands. After using gloves, hands should be washed and dried thoroughly. Application of a non-perfumed moisturizer is recommended.<br><br>For continuous contact we recommend gloves with breakthrough time of more than 240 minutes with preference for > 480 minutes where suitable gloves can be identified. For short-term/splash protection we recommend the same but recognize that suitable gloves offering this level of protection may not be available and in this case a lower breakthrough time maybe acceptable so long as appropriate maintenance and replacement regimes are followed. Glove thickness is not a good predictor of glove resistance to a chemical as it is dependent on the exact composition of the glove material. Glove thickness should be typically greater than 0.35 mm depending on the glove make and model. |
| Skin and body protection | : | Where risk of splashing or in spillage clean up, use chemical resistant one-piece overall with integral hood, chemical resistant knee length boots and chemical resistant gloves. Otherwise use chemical resistant apron and gauntlets.<br>For spillage clean up use chemical resistant knee length boots. |

| | | |
|---|---|---|
| Respiratory protection | : | In accordance with good industrial hygiene practices, precautions should be taken to avoid breathing of material.<br>If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker health, select respiratory protection equipment suitable for the specific conditions of use and meeting relevant legislation.<br>Check with respiratory protective equipment suppliers.<br>Select a suitable P1 air purifying respirator for inert particles<br>Where air-filtering respirators are unsuitable (e.g. airborne concentrations are high, risk of oxygen deficiency, confined space) use appropriate positive pressure breathing apparatus.<br>Where air-filtering respirators are suitable, select an appropriate combination of mask and filter. |
| Protective measures | : | Personal protective equipment (PPE) should meet recommended national standards. Check with PPE suppliers. |
| Thermal hazards | : | When handling heated product, wear heat resistant gloves, safety hat with chin strap, face shield (preferably with a chin guard), safety glasses, heat resistant coveralls (with cuffs over gloves and legs over boots), neck protection and heavy duty boots, e.g. leather for heat resistance. |

**Environmental exposure controls**

| | | |
|---|---|---|
| General advice | : | Take appropriate measures to fulfill the requirements of relevant environmental protection legislation. Avoid contamination of the environment by following advice given in Section 6. If necessary, prevent undissolved material from being discharged to waste water. Waste water should be treated in a municipal or industrial waste water treatment plant before discharge to surface water. |

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

| | | |
|---|---|---|
| Appearance | : | solid |
| Colour | : | white, colourless, translucent |
| Odour | : | mild |
| Odour Threshold | : | not determined |
| pH | : | Not applicable |
| Melting point/freezing point | : | 115 - 135 °C |

| | | |
|---|---|---|
| Boiling point/boiling range | : | Not applicable |
| Flash point | : | Not applicable |
| Evaporation rate | : | Not applicable |
| Flammability | | |
| Flammability (solid, gas) | : | Data not available |
| Lower explosion limit and upper explosion limit / flammability limit | | |
| Upper explosion limit | : | Not applicable |
| Lower explosion limit | : | Not applicable |
| Vapour pressure | : | Data not available (50,0 °C) |
| Relative vapour density | : | Not applicable |
| Relative density | : | 0,918 - 0,965<br>Method: ASTM D4052 |
| Density | : | 0,918 - 0,965 g/cm3 (20 °C)<br>Method: ASTM D4052 |
| Solubility(ies) | | |
| Water solubility | : | insoluble |
| Partition coefficient: n-octanol/water | : | Not applicable |
| Auto-ignition temperature | : | > 300 °C |
| Decomposition temperature | : | > 300 °C |
| Viscosity | | |
| Viscosity, dynamic | : | Not applicable |
| Viscosity, kinematic | : | Not applicable |
| Explosive properties | : | Not applicable |
| Oxidizing properties | : | Not applicable |

**9.2 Other information**

| | | |
|---|---|---|
| Surface tension | : | not determined |

| | | |
|---|---|---|
| Conductivity | : | Data not available |
| Molecular weight | : | > 25.000 g/mol |

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

The product does not pose any further reactivity hazards in addition to those listed in the following sub-paragraph.

### 10.2 Chemical stability

Stable.
Accumulation of dust can create an explosion hazard.
Dust can be ignited by static electricity, sparks and heat.

### 10.3 Possibility of hazardous reactions

| | | |
|---|---|---|
| Hazardous reactions | : | Reacts with strong oxidising agents.<br><br>Hazardous polymerisation does not occur. |

### 10.4 Conditions to avoid

| | | |
|---|---|---|
| Conditions to avoid | : | Extremes of temperature and direct sunlight. |

### 10.5 Incompatible materials

| | | |
|---|---|---|
| Materials to avoid | : | Strong oxidising agents. |

### 10.6 Hazardous decomposition products

Hazardous combustion products may include:, Carbon dioxide (CO2), Carbon monoxide., Organic Substances

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

| | | |
|---|---|---|
| Information on likely routes of exposure | : | Exposure may occur via inhalation, ingestion, skin absorption, skin or eye contact, and accidental ingestion. |

**Acute toxicity**

**Components:**

**Polymer of ethene / hex-1-ene:**

| | | |
|---|---|---|
| Acute oral toxicity | : | Remarks: Based on available data, the classification criteria are not met. |

Acute inhalation toxicity : Remarks: Based on available data, the classification criteria are not met.

Acute dermal toxicity : Remarks: Based on available data, the classification criteria are not met.

**Skin corrosion/irritation**

**Components:**

**Polymer of ethene / hex-1-ene:**
Remarks: Based on available data, the classification criteria are not met.

**Serious eye damage/eye irritation**

**Components:**

**Polymer of ethene / hex-1-ene:**
Remarks: Based on available data, the classification criteria are not met.

**Respiratory or skin sensitisation**

**Components:**

**Polymer of ethene / hex-1-ene:**
Remarks: For respiratory sensitisation:
Based on available data, the classification criteria are not met.

**Germ cell mutagenicity**

**Components:**

**Polymer of ethene / hex-1-ene:**
Genotoxicity in vitro : Remarks: Based on available data, the classification criteria are not met.

Genotoxicity in vivo : Remarks: Based on available data, the classification criteria are not met.

**Carcinogenicity**

**Components:**

**Polymer of ethene / hex-1-ene:**
Remarks: Based on available data, the classification criteria are not met.

| Material | SEA Carcinogenicity Classification |
|---|---|
| Polymer of ethene / hex-1-ene | No carcinogenicity classification. |

**Reproductive toxicity**

**Components:**

**Polymer of ethene / hex-1-ene:**
Effects on fertility : Remarks: Based on available data, the classification criteria are not met.

**STOT - single exposure**

**Components:**

**Polymer of ethene / hex-1-ene:**
Remarks: Based on available data, the classification criteria are not met.

**STOT - repeated exposure**

**Components:**

**Polymer of ethene / hex-1-ene:**
Remarks: Based on available data, the classification criteria are not met.

**Aspiration toxicity**

**Components:**

**Polymer of ethene / hex-1-ene:**
Not considered an aspiration hazard., Based on available data, the classification criteria are not met.

**Further information**

**Product:**

Remarks: Unless indicated otherwise, the data presented is representative of the product as a whole, rather than for individual component(s).

**Components:**

**Polymer of ethene / hex-1-ene:**
Remarks: Classifications by other authorities under varying regulatory frameworks may exist.

## SECTION 12: Ecological information

### 12.1 Toxicity

**Components:**

**Polymer of ethene / hex-1-ene:**

Toxicity to fish (Acute toxicity) : Remarks: Practically non toxic, LC/EC/IC 50 > 100 mg/l .

| | | |
|---|---|---|
| Toxicity to daphnia and other aquatic invertebrates (Acute toxicity) | : | Remarks: Practically non toxic: LL/EL/IL50 > 100 mg/l |
| Toxicity to algae (Acute toxicity) | : | Remarks: Practically non toxic: LL/EL/IL50 > 100 mg/l |
| Toxicity to bacteria (Acute toxicity) | : | Remarks: Data not available |
| Toxicity to fish (Chronic toxicity) | : | Remarks: NOEC/NOEL > 100 mg/l |
| Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) | : | Remarks: NOEC/NOEL > 100 mg/l |

### 12.2 Persistence and degradability

**Components:**

**Polymer of ethene / hex-1-ene:**

| | | |
|---|---|---|
| Biodegradability | : | Remarks: Not readily biodegradable. |

### 12.3 Bioaccumulative potential

**Components:**

**Polymer of ethene / hex-1-ene:**

| | | |
|---|---|---|
| Bioaccumulation | : | Remarks: Has the potential to bioaccumulate. |

### 12.4 Mobility in soil

**Components:**

**Polymer of ethene / hex-1-ene:**

| | | |
|---|---|---|
| Mobility | : | Remarks: Floats on water. |

### 12.5 Results of PBT and vPvB assessment

**Components:**

**Polymer of ethene / hex-1-ene:**

| | | |
|---|---|---|
| Assessment | : | The substance does not fulfill all screening criteria for persistence, bioaccumulation and toxicity and hence is not considered to be PBT or vPvB.. |

### 12.6 Other adverse effects

**Product:**

| | | |
|---|---|---|
| Further information | : | The substance/mixture does not contain components considered to have endocrine disrupting properties according to |

REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Ozone-Depletion Potential : Remarks: Data available only for some components.

Additional ecological information : Remarks: Unless indicated otherwise, the data presented is representative of the product as a whole, rather than for individual component(s).

**Components:**

**Polymer of ethene / hex-1-ene:**

Ozone-Depletion Potential : Remarks: Data available only for some components.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product : Recover or recycle if possible.
It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste classification and disposal methods in compliance with applicable regulations.

Do not dispose into the environment, in drains or in water courses.
Waste product should not be allowed to contaminate soil or water.

Disposal should be in accordance with applicable regional, national, and local laws and regulations.
Local regulations may be more stringent than regional or national requirements and must be complied with.

Contaminated packaging : Remove all packaging for recovery or waste disposal.
Comply with any local recovery or waste disposal regulations.

## SECTION 14: Transport information

### 14.1 UN number

**ADR** : Not regulated as a dangerous good
**RID** : Not regulated as a dangerous good
**IMDG** : Not regulated as a dangerous good
**IATA** : Not regulated as a dangerous good

### 14.2 UN proper shipping name

**ADR** : Not regulated as a dangerous good

| | | |
|---|---|---|
| **RID** | : | Not regulated as a dangerous good |
| **IMDG** | : | Not regulated as a dangerous good |
| **IATA** | : | Not regulated as a dangerous good |

**14.3 Transport hazard class(es)**

| | | |
|---|---|---|
| **ADR** | : | Not regulated as a dangerous good |
| **RID** | : | Not regulated as a dangerous good |
| **IMDG** | : | Not regulated as a dangerous good |
| **IATA** | : | Not regulated as a dangerous good |

**14.4 Packing group**

| | | |
|---|---|---|
| **ADR** | : | Not regulated as a dangerous good |
| **RID** | : | Not regulated as a dangerous good |
| **IMDG** | : | Not regulated as a dangerous good |
| **IATA** | : | Not regulated as a dangerous good |

**14.5 Environmental hazards**

| | | |
|---|---|---|
| **ADR** | : | Not regulated as a dangerous good |
| **RID** | : | Not regulated as a dangerous good |
| **IMDG** | : | Not regulated as a dangerous good |

**14.6 Special precautions for user**

| | | |
|---|---|---|
| Remarks | : | Special Precautions: Refer to Section 7, Handling & Storage, for special precautions which a user needs to be aware of or needs to comply with in connection with transport. |

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

| | | |
|---|---|---|
| Pollution category | : | Not applicable |
| Ship type | : | Not applicable |
| Product name | : | Not applicable |

## SECTION 15: Regulatory information

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

| | | |
|---|---|---|
| KKDIK (30105 (Bis)) - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex 17) | : | Not applicable |
| Other regulations | : | The regulatory information is not intended to be comprehensive. Other regulations may apply to this material.<br><br>Regulations on the health and safety precautions for chemicals in the workplace. Regulations on the fire protection of buildings. Regulations on the prevention of industrial accidents and the reduction of their effects. |

**The components of this product are reported in the following inventories:**

| | | |
|---|---|---|
| TSCA | : | Listed |
| AIIC | : | Listed |
| DSL | : | Listed |
| IECSC | : | Listed |
| ENCS | : | Listed |
| KECI | : | Listed |
| NZIoC | : | Listed |
| PICCS | : | Listed |
| TCSI | : | Listed |

**15.2 Chemical safety assessment**

A Chemical Safety Assessment is not required for this substance/mixture.

## SECTION 16: Other information

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization;

KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

**Prepared by**

| | | |
|---|---|---|
| Name | : | Eren Aktas |
| Certified Qualification date | : | 15.05.2024 |
| Certificate number | : | TÜV/11.241.01 |
| Expiry date | | 15.05.2029 |

**Further information**

| | | |
|---|---|---|
| Training advice | : | Provide adequate information, instruction and training for operators. |
| Other information | : | A vertical bar (\|) in the left margin indicates an amendment from the previous version. |
| Sources of key data used to compile the Safety Data Sheet | : | The quoted data are from, but not limited to, one or more sources of information (e.g. toxicological data from Shell Health Services, material suppliers' data, CONCAWE, EU IUCLID date base, EC 1272 regulation, etc). |

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

TR / EN