# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878

# KeyForm E1030

| Version | Revision Date: | SDS Number: | Date of last issue: 05/02/2026 |
|---|---|---|---|
| 1.2 | 06/02/2026 | BEN8476 | Date of first issue: 04/09/2026 |

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

### 1.1 Product identifier

| | | |
|---|---|---|
| Trade name | : | KeyForm E1030 |
| Synonyms | : | 1-Propene-Ethylene-Copolymer |
| Substance name | : | 1-Propene, Polymer with Ethene |
| Substance No. | : | 9010-79-1 |
| Chemical characterization | : | Polypropylene copolymer |

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

| | | |
|---|---|---|
| Identified uses | : | Manufacture of plastic articles by injection molding, extrusion or other conversion process. |
| Prohibited uses | : | FDA Class III medical devices; European class III medical devices; Health Canada class IV Medical Devices; Applications involving permanent implantation into the body; Life-sustaining medical applications |

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

| Company | Registration number | Telephone |
|---|---|---|
| Rotterdam Olefins & Polyolefins B.V.<br>Aert van Nesstraat 45<br>3012 CA Rotterdam<br>Netherlands | na | +31 (0) 10 713 6860 |

E-mail address : RegulatoryComplianceROP@velogy.com
Responsible/issuing person

### 1.4 Emergency telephone number

| | |
|---|---|
| Rotterdam Olefins & Polyolefins B.V. | +32 3 575 1235 |

**Poison Center:**
National Poisons Information Centre
IE: +353 1 809 2566
24 hours all days

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Classification (REGULATION (EC) No 1272/2008)**

Not a hazardous substance or mixture.

### 2.2 Label elements

**Labelling (REGULATION (EC) No 1272/2008)**

No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required

### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological 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.

Toxicological 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.

May form explosible dust-air mixture if small particles are generated during further processing, handling, or by other means.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

**Components**

| Chemical name | CAS-No.<br>EC-No.<br>Index-No.<br>Registration number | Classification | Concentration (% w/w) |
|---|---|---|---|
| 1-Propene, Polymer with Ethene | 9010-79-1 | | > 99.5 |

For explanation of abbreviations see section 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

General advice : Take proper precautions to ensure your own health and safety before attempting rescue and providing first aid.

If inhaled : Remove person to fresh air. If signs/symptoms continue, get medical attention.
In case of excessive inhalation of fumes that may be generated during heating of this material, move the person to fresh air.
Obtain medical attention.
Keep person warm, if necessary give Cardio-Pulmonary Resuscitation (CPR)

| | | |
|---|---|---|
| In case of skin contact | : | If molten material contacts the skin, immediately flush with large amounts of water to cool the affected tissue and polymer.<br>Do not attempt to peel polymer from skin as this will remove the skin.<br>Obtain immediate emergency medical attention if burn is deep or extensive. |
| In case of eye contact | : | Flush eyes thoroughly with water for several minutes and seek medical attention if discomfort persists.<br><br>In case of eye contact with molten polymer:<br>Continuously flush eye(s) with cool running water for at least 15 minutes.<br>Beyond flushing, DO NOT attempt to remove the material adherent to the eye(s).<br>Immediately seek medical attention. |
| If swallowed | : | Adverse health effects due to ingestion are not anticipated. |

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

| | | |
|---|---|---|
| Symptoms | : | Inhalation of process fumes and vapors may cause soreness in the nose and throat and coughing. |
| Risks | : | Dust contact with the eyes can lead to mechanical irritation.<br>Molten polymer may cause thermal burns. |

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

| | | |
|---|---|---|
| Treatment | : | Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient. |

## SECTION 5: Firefighting measures

**5.1 Extinguishing media**

| | | |
|---|---|---|
| Suitable extinguishing media | : | SMALL FIRE:<br>Use dry chemical, CO2, or water spray.<br><br>LARGE FIRES:<br>Use water spray hose nozzles from a safe location. |
| Unsuitable extinguishing media | : | None known. |

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

| | | |
|---|---|---|
| Specific hazards during fire-fighting | : | Keep away from heat and sources of ignition.<br>In case of fire hazardous decomposition products may be produced such as:<br>Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke). |

### 5.3 Advice for firefighters

| | | |
|---|---|---|
| Special protective equipment for firefighters | : | Wear approved positive pressure self-contained breathing apparatus and firefighter protective clothing. |
| Further information | : | Combustible particulate solid, will decompose under fire conditions.<br>Calorific Value: 8000 - 11000 kcal/kg<br>Fight fire from safe distance with hose lines or monitor nozzles.<br>Heat from fire may melt, decompose polymer, and generate flammable vapors.<br>Move containers from fire area if it can be done without risk.<br>Evacuate immediately in the event of opening of storage container pressure relief devices or discoloration of container.<br>Always stay away from tanks engulfed in fire.<br>Do not attempt to get on top of storage containers involved in fire.<br>Cool storage containers with large volumes of water even after fire is out. |

## SECTION 6: Accidental release measures

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

| | | |
|---|---|---|
| Personal precautions | : | Equip responders with proper protection.<br>Creates dangerous slipping hazard on any hard smooth surface.<br>Equip emergency responders with proper personal protective equipment (PPE)<br>Avoid generating dust.<br>Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air).<br>Potential combustible dust hazard.<br>Polymer particles create slipping hazard on hard smooth surfaces. |

### 6.2 Environmental precautions

| | | |
|---|---|---|
| Environmental precautions | : | Do not flush into surface water or sanitary sewer system. |

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

| | | |
|---|---|---|
| Methods for cleaning up | : | On land, sweep/shovel into suitable disposal containers or vacuum using equipment which avoids ignition risk.<br>On water, material is insoluble; collect and contain as any solid.<br>All recovered material should be packaged, labeled, transported and disposed of or reclaimed in conformance with applicable laws and regulations and in conformance with good engineering practices. Reclaim where possible. |

### 6.4 Reference to other sections

For disposal considerations see section 13., For personal protection see section 8.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advice on safe handling : Material is in a pellet form.
If converted to small particles during further processing, handling, or by other means, may form combustible dust concentrations in air.
Avoid dust accumulation in enclosed space.
Avoid generating dust; fine dust suspended in air and in the presence of an ignition source is a potential dust explosion hazard.
Static discharge (spark), or other ignition sources, in high dust environments may ignite the dust and result in a dust explosion
Electrostatic charge may build during conveying or handling.
Equipment handling polymer should be conductive and grounded (earthed) and bonded.
Metal containers involved in the transfer of this material should be grounded and bonded.
All electrical equipment should conform to applicable electric codes and regulatory requirements for areas handling combustible dusts.
After handling, always wash hands thoroughly with soap and water.
When bringing the material to processing temperatures vapors may develop may condense in the exhaust ventilation. See section 10.

Hygiene measures : Selection of appropriate personal protective equipment should be based on an evaluation of the performance characteristics of the protective equipment relative to the task(s) to be performed, conditions present, duration of use, and the hazards and/or potential hazards that may be encountered during use.
Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet facilities. Take off contaminated clothing and wash before reuse.

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

Requirements for storage areas and containers : Store in a dry location. Use good housekeeping practices during storage, transferring and handling. Process enclosures and adequate ventilation should be used to avoid excessive dust accumulation. Store away from excessive heat and away from strong oxidizing agents. Keep container closed to prevent contamination. Take measures to prevent the build up of electrostatic charge.

### 7.3 Specific end use(s)

Specific use(s) : See Section 1.2.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

**Occupational Exposure Limits**

| Components | CAS-No. | Value type (Form of exposure) | Control parameters | Basis |
|---|---|---|---|---|
| Non-specified (inert or nuisance) dust | Not Assigned | TWA | 3 mg/m3 (respirable) | US (ACGIH) |
| | | TWA | 10 mg/m3 (inhalable) | US (ACGIH) |

### 8.2 Exposure controls

**Appropriate engineering controls**

Follow the recommendations in international standard NFPA 654 (as amended and adopted) for equipment used to handle this product.
Engineering controls, i.e. enclosed systems, should be used whenever feasible to maintain exposures below acceptable criteria. When such controls are not feasible, or sufficient to achieve full conformance, other engineering controls such as local exhaust ventilation should be used.
Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment).

**Individual protection measures, such as personal protective equipment (PPE)**

Eye/face protection : Dust service goggles should be worn to prevent mechanical injury or other irritation to eyes due to airborne particles which may result from handling this product.

Hand protection

Remarks : Wear gloves that provide thermal protection where there is a potential for contact with heated material.

Skin and body protection : Wear suitable protective clothing.

Respiratory protection : Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits.
When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
Use appropriate respiratory protection where atmosphere exceeds recommended limits.
Where workers could be exposed to dust concentrations above the exposure limit they must use appropriate certified respirators.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

| | | |
|---|---|---|
| Physical state | : | solid |
| Form | : | pellets |
| Colour | : | Translucent to white |
| Odour | : | slight |
| Odour Threshold | : | no data available |
| Melting point/range | : | 50 - 170 °C |
| Boiling point/boiling range | : | Not applicable |
| Flammability | : | May form combustible dust concentrations in air.<br>Polymer will burn but does not easily ignite. |
| Upper explosion limit / Upper flammability limit | : | Not applicable |
| Lower explosion limit / Lower flammability limit | : | The minimum explosive concentration (MEC) for polymer dust varies according to particle size distribution. |
| Flash point | : | no data available |
| pH | : | Not applicable |
| Viscosity | | |
| Viscosity, dynamic | : | Not applicable |
| Solubility(ies) | | |
| Water solubility | : | insoluble |

| | | |
|---|---|---|
| Partition coefficient: n-octanol/water | : | no data available |
| Vapour pressure | : | Not applicable |
| Density | : | < 1 g/cm3 |
| Relative vapour density | : | Not applicable |

**9.2 Other information**

| | | |
|---|---|---|
| Explosives | : | no data available |
| Oxidizing properties | : | Not considered an oxidizing agent. |
| Self-ignition | : | > 300 °C |
| Evaporation rate | : | Not applicable |

## SECTION 10: Stability and reactivity

**10.1 Reactivity**

No known reactivity hazards.

**10.2 Chemical stability**

Stable under normal conditions.

**10.3 Possibility of hazardous reactions**

| | | |
|---|---|---|
| Hazardous reactions | : | None known. |

**10.4 Conditions to avoid**

| | | |
|---|---|---|
| Conditions to avoid | : | Heat, flames and sparks. |

**10.5 Incompatible materials**

| | | |
|---|---|---|
| Materials to avoid | : | Material may be softened by some hydrocarbons.<br>Strong oxidizing agents |

**10.6 Hazardous decomposition products**

No decomposition if used as directed.

## SECTION 11: Toxicological information

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

**Acute toxicity**

**Components:**

**1-Propene, Polymer with Ethene:**

Acute oral toxicity : Assessment: The substance or mixture has no acute oral toxicity

Acute inhalation toxicity : Assessment: The substance or mixture has no acute inhalation toxicity

Acute dermal toxicity : Assessment: The substance or mixture has no acute dermal toxicity

**Skin corrosion/irritation**

**Components:**

**1-Propene, Polymer with Ethene:**

Result : No skin irritation

**Serious eye damage/eye irritation**

**Components:**

**1-Propene, Polymer with Ethene:**

Remarks : Mechanical irritation is possible.

**Respiratory or skin sensitisation**

**Components:**

**1-Propene, Polymer with Ethene:**

Result : Did not cause sensitization on laboratory animals.

**Germ cell mutagenicity**

**Components:**

**1-Propene, Polymer with Ethene:**

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

**Carcinogenicity**

**Components:**

**1-Propene, Polymer with Ethene:**

Carcinogenicity - Assessment : No evidence of carcinogenicity in animal studies.

**Reproductive toxicity**

**Components:**

**1-Propene, Polymer with Ethene:**

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

**STOT - single exposure**

**Components:**

**1-Propene, Polymer with Ethene:**

Assessment : The substance or mixture is not classified as specific target organ toxicant, single exposure.

**STOT - repeated exposure**

**Components:**

**1-Propene, Polymer with Ethene:**

Assessment : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

**Aspiration hazard**

**Components:**

**1-Propene, Polymer with Ethene:**

No aspiration toxicity classification

### 11.2 Information on other hazards

**Endocrine disrupting properties**

**Product:**

Assessment : 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.

**Components:**

**1-Propene, Polymer with Ethene:**

Assessment : 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.

## SECTION 12: Ecological information

### 12.1 Toxicity

**Components:**

**1-Propene, Polymer with Ethene:**

Toxicity to fish : Remarks: Aquatic toxicity is unlikely due to low solubility.

Toxicity to daphnia and other aquatic invertebrates : Remarks: No toxicity at the limit of solubility.

Toxicity to algae/aquatic plants : Remarks: No toxicity at the limit of solubility.

Toxicity to microorganisms : Remarks: No toxicity at the limit of solubility.

Toxicity to fish (Chronic toxicity) : Remarks: No toxicity at the limit of solubility.

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : Remarks: No toxicity at the limit of solubility.

**Ecotoxicology Assessment**

Acute aquatic toxicity : Not classified

Chronic aquatic toxicity : Not classified

Toxicity Data on Soil : Not expected to adsorb on soil.

### 12.2 Persistence and degradability

**Components:**

**1-Propene, Polymer with Ethene:**

Biodegradability : Remarks: The polymer is too large to be bioavailable.

### 12.3 Bioaccumulative potential

**Components:**

**1-Propene, Polymer with Ethene:**

Bioaccumulation : Remarks: This material is not expected to bioaccumulate.

### 12.4 Mobility in soil

**Components:**

**1-Propene, Polymer with Ethene:**

Mobility : Remarks: no data available

### 12.5 Results of PBT and vPvB assessment

**Product:**

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

**Components:**

**1-Propene, Polymer with Ethene:**

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

### 12.6 Endocrine disrupting properties

**Product:**

Assessment : 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.

**Components:**

**1-Propene, Polymer with Ethene:**

Assessment : 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.

### 12.7 Other adverse effects

**Product:**

Additional ecological information : No data available on this product. However, birds, fish and other wildlife may eat pellets which may obstruct their intestinal tracts.

**Components:**

**1-Propene, Polymer with Ethene:**

Environmental fate and pathways : This material is not volatile and insoluble in water.

Additional ecological information : Ecotoxicity is expected to be minimal based on the low water solubility of polymers.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product : All recovered material should be packaged, labeled, transported and disposed of or reclaimed in conformance with applicable laws and regulations and in conformance with good engineering practices. Reclaim where possible.
Recycle if possible.

## SECTION 14: Transport information

### 14.1 UN number or ID number

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

**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

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

**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)

| | | |
|---|---|---|
| **ADN** | : | Not regulated as a dangerous good |
| **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**

| | | |
|---|---|---|
| **ADN** | : | Not regulated as a dangerous good |
| **ADR** | : | Not regulated as a dangerous good |
| **RID** | : | Not regulated as a dangerous good |
| **IMDG** | : | Not regulated as a dangerous good |
| **IATA (Cargo)** | : | Not regulated as a dangerous good |
| **IATA (Passenger)** | : | Not regulated as a dangerous good |

**14.5 Environmental hazards**

Not regulated as a dangerous good

**14.6 Special precautions for user**

Not applicable

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

Not applicable for product as supplied.

## SECTION 15: Regulatory information

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

| | | |
|---|---|---|
| REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII) | : | Conditions of restriction for the following entries should be considered:<br>Number on list 78:<br>Polymers of propylene or of other olefins - see section 3 for more detail on polymer content<br><br>synthetic polymer microparticles (SPM) content: 100 %<br>The synthetic polymer microparticles supplied is subject to conditions laid down by entry 78 of Annex XVII to Regulation (EC) No 1907/2006 of the European Parliament and of the Council |
| REACH - Candidate List of Substances of Very High Concern for Authorization (Article 59). | : | Not applicable |
| Regulation (EC) No 1005/2009 on substances that deplete the ozone layer | : | Not applicable |

| | | |
|---|---|---|
| Regulation (EU) 2019/1021 on persistent organic pollutants (recast) | : | Not applicable |
| Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals | : | Not applicable |
| REACH - List of substances subject to authorisation (Annex XIV) | : | Not applicable |

| | | |
|---|---|---|
| Volatile organic compounds | : | Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control)<br>Not applicable |

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

| | | |
|---|---|---|
| TCSI | : | On the inventory, or in compliance with the inventory |
| TSCA | : | All substances listed as active on the TSCA inventory |
| AIIC | : | On the inventory, or in compliance with the inventory |
| DSL | : | All components of this product are on the Canadian DSL |
| ENCS | : | On the inventory, or in compliance with the inventory |
| KECI | : | On the inventory, or in compliance with the inventory |
| PICCS | : | On the inventory, or in compliance with the inventory |
| IECSC | : | On the inventory, or in compliance with the inventory |
| REACH | : | If the product has been purchased from Rotterdam Olefins & Polyolefins B.V., we confirm that the chemical substances in this product have been registered under REACH, in accordance with the deadlines set forth in REACH. (Regulation (EU) No. 1907/2006). |
| NZIoC | : | On the inventory, or in compliance with the inventory |
| TECI | : | On the inventory, or in compliance with the inventory |
| CH BAGREG | : | On the inventory, or in compliance with the inventory |
| MXINSQ | : | On the inventory, or in compliance with the inventory |
| NCI | : | On the inventory, or in compliance with the inventory |
| UKREACH | : | If the product has been purchased from Rotterdam Olefins & |

Polyolefins B.V., we confirm that the chemical substances in this product have been notified with a DUIN or, where required under UK-REACH, registered, and that we have the intention to proceed with any required registration in accordance with the deadlines set forth in the regulation REACH etc. (Amendment etc.) (EU Exit) Regulations 2019.

KKDIK : If the product has been purchased from Rotterdam Olefins & Polyolefins B.V., we confirm that the chemical substances in this product have been pre-registered or, where required under KKDIK, registered, and that we have the intention to proceed with any required registration in accordance with the deadlines set forth in the regulation.

**15.2 Chemical safety assessment**

No information available.

## SECTION 16: Other information

**Full text of other abbreviations**

| | | |
|---|---|---|
| US (ACGIH) | : | US (ACGIH) |
| US (ACGIH) / TWA | : | Time weighted average |

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 Harmonised 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 Organisation; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardisation; 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 - Organisation 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

**Further information**

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.

IE / EN