



Safety data sheet

Printing date 04.01.2011

Version number 10

Revision: 29.07.2010

*** 1 Identification of the substance/mixture and of the company/undertaking**

- Product identifier
- Trade name: **RIBLENE**
- CAS Number: 9002-88-4
- Registration number: N.A.
- Chemical name: LOW DENSITY POLYETHYLENE (LDPE)
- Relevant identified uses of the substance or mixture and uses advised against
- Application of the substance / the preparation: Production of various plastic final applications.
- Details of the supplier of the safety data sheet
- Manufacturer/Supplier: Polimeri Europa S.p.A.
Piazza Boldrini, 1
I-20097 San Donato Milanese (MI)
N° telefono: +39 02 520 1
- E-mail address of the competent person responsible for the SDS: e-mail: SDS.PE@polimerieuropa.com
- Emergency telephone number: Centro Nazionale di Informazione Tossicologica (24h): (+39) 0382 24444

2 Hazards identification

- Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008: The substance is not classified according to the CLP regulation.
- Classification according to Directive 67/548/EEC or Directive 1999/45/EC: The preparation is not classified as dangerous according to Directive 1999/45/EC and following amendments.
- Information concerning particular hazards for human and environment: Void
- Information concerning particular hazards for human and environment: The product is not hazardous in the form in which it is placed on the market and under the normal and recommended conditions of storage and use. The product is not dangerous according to the criteria set by the European Union. See also sections 4 and 11.
The preparation is stable under normal conditions of storage and use. It is not hazardous to the environment in its normal state.
- Label elements
- Labelling according to Regulation (EC) No 1272/2008: Void
- Hazard pictograms: Void
- Signal word: Void
- Hazard statements: Void
- Other hazards
- Results of PBT and vPvB assessment
- PBT: Not applicable.

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· vPvB: Not applicable.

3 Composition/information on ingredients

- Chemical characterization: Substances
- CAS No. Description 9002-88-4 RIBLENE

4 First aid measures

- Description of first aid measures
- General information: No special measures required.
- After inhalation: Dust or gas/vapours released by heat: move the affected person away from the contaminated area into fresh air; seek medical assistance.
- After skin contact: In case of contact with melted material, cool down with cold water and seek medical assistance. Do not remove the product that solidified on skin. Treat as a burn.
- After eye contact: Rinse opened eye for several minutes under running water.
- After swallowing: No specific measure requested in case of ingestion. If needed seek medical assistance.

* 5 Firefighting measures

- Extinguishing media
- Suitable extinguishing agents: Water, water spray, foam, dry chemicals, carbon dioxide.
- Special hazards arising from the substance or mixture: The product, when involved in a fire, burns with a sooty flame and release fumes made up of water, carbon dioxide, carbon monoxide (when starved of oxygen) and other combustion products. Overheating/pyrolysis evolves vapours made up of monomers, low molecular weight polymers and their oxidation products. Powders have specific fire risks.
- Advice for firefighters
- Protective equipment: Wear suitable protective clothing (helmet, goggles, fire resistant gloves, boots) and protect respiratory organs (self contained breathing apparatus).
- Additional information: The product is combustible. Cool endangered receptacles with water spray.

* 6 Accidental release measures

- Personal precautions, protective equipment and emergency procedures: Do not walk on granules to avoid slipping.
- Environmental precautions: Do not allow product to reach sewage system or any water course.
- Methods and material for containment and cleaning up: Collect mechanically. Reuse if possible or dispose of as required by national and local regulations (see section 13).
- Reference to other sections: See Section 13 for disposal information.

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No dangerous substances are released.

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*** 7 Handling and storage**

- **Handling:**
- **Precautions for safe handling** Powder formation by abrasion must be avoided during handling and transportation, especially when unloading; if such formation occurs, the powder must be eliminated immediately.
During the processing of the product, avoid inhalation of fumes or powders, by providing good ventilation of the workroom and, if necessary, by a suitable exhaust system.
- **Information about fire - and explosion protection:** Avoid dispersion of dust in air to reduce potential for ignition or explosion.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Earth storage silos as precautionary measure against the static electricity build-up.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** In storage and working areas avoid pellets spilling as a possible cause of slipping.
Store out of direct sunlight, in well ventilated, cool and dry place.
Product should be stored in a safe manner, to avoid danger from unstable or damaged packaging units (octabins/bags/boxes on pallet). In particular, stacking of packaged units can be dangerous to warehouse personnel.

*** 8 Exposure controls/personal protection**

- **Additional information about design of technical facilities:** No further data; see item 7.
- **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.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:** Traces of monomers and other volatile substances may be given off during processing, particularly at unusually high processing temperatures.
Work rooms must be provided with adequate ventilation and exhaust equipment to collect dust and gas/vapours that may be evolved during the conversion.
- **Respiratory protection:** In normal conditions masks with antidust filters should be available for use when requested.
- **Protection of hands:** Gloves resistant to chemicals. Breakthrough time of the glove material: see producer's data.
- **Material of gloves** The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

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- **Penetration time of glove material**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:**
Safety glasses
- **Body protection:**
Standard work clothes.

*** 9 Physical and chemical properties**· **Information on basic physical and chemical properties**· **General information**· **Appearance:**

Form: Solid
Colour: White

· **Odour:** Odourless· **pH-value:** Not applicable.· **Change in condition**

Melting point/Melting range: >100°C
Boiling point/Boiling range: Undetermined.

· **Flash point:** Not applicable.· **Flammability (solid, gaseous):** Product is not flammable.· **Ignition temperature:** ~340°C· **Danger of explosion:** Product does not present an explosion hazard.· **Explosion limits:**

Lower: Not determined.
Upper: Not determined.

· **Vapour pressure:** Not applicable.· **Density at 20°C:** 0.91-0.94 g/cm³· **Bulk density at 20°C:** 450-600 kg/m³· **Solubility in / Miscibility with water:**

Insoluble.

· **Viscosity:**

Dynamic: Not applicable.
Kinematic: Not applicable.

*** 10 Stability and reactivity**· **Reactivity**· **Chemical stability**· **Thermal decomposition / conditions to be avoided:**

Prevent the formation of noxious gases and vapours by using the advised conversion conditions.
Prolonged exposure to temperatures above 250°C may cause resin degradation.

· **Possibility of hazardous reactions**

No dangerous reactions known.

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· **Incompatible materials:** Avoid the contact with oxidising substances.

11 Toxicological information· **Information on toxicological effects**· **Acute toxicity:**· **Primary irritant effect:**· **on the skin:** No irritant effect.· **on the eye:** The product's dust may cause irritation of eyes.· **Sensitization:** No sensitizing effects known.· **Additional toxicological information:**

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.
The substance is not subject to classification according to the latest version of the EU lists.

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

No evidence of these effects has been reported.

*** 12 Ecological information**· **Toxicity**· **Acquatic toxicity:** No further relevant information available.· **Persistence and degradability**

The product is essentially a high molecular weight polymer, not regarded as ecotoxic.

· **Other information:** The product is a non biodegradable polymer.· **Behaviour in environmental systems:**· **Bioaccumulative potential** Does not accumulate in organisms· **Results of PBT and vPvB assessment**· **PBT:** Not applicable.· **vPvB:** Not applicable.*** 13 Disposal considerations**· **Waste treatment methods**· **Recommendation**

The same safety consideration apply to scraps/waste as apply to the product as it is. Residues should be disposed of as required by national and local regulations. After suitable treatment (cleaning, grinding, etc.), the product can be safely re-used, as is or mixed with fresh material, when this is compatible with the intended final application. The incineration must be done under approved conditions, possibly with energy recovery and only at suitable facilities equipped with a scrubber for the treatment of fumes before their release into the atmosphere.

· **Uncleaned packaging:**· **Recommendation:**

Disposal must be made according to official regulations.

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*** 14 Transport information**

- Land transport ADR/RID (cross-border)
- ADR/RID class: -
- Maritime transport IMDG:
- Marine pollutant: No
- Proper shipping name:
- MARPOL: N.A.
- UN "Model Regulation": -
- Special precautions for user Not applicable.
- Transport/Additional information: The product is not classified as dangerous for transportation according to the following regulations: ADR/RID, IMO, IATA.

*** 15 Regulatory information**

- Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

- Department issuing MSDS: QHSE/NOCE
- * Data compared to the previous version altered. Data and information contained in this Safety Data Sheet are based on our available knowledge at the last revision date. No guarantee can be given as to the sufficiency of any safety measures contained in this Safety Data Sheet, nor can it be assumed that other or additional measures may not be required under particular or exceptional circumstances. The user must make sure of the fitness and completeness of the information, according to the specific use they want to do.