

SAFETY DATA SHEET

In accordance with CLP- or EG-GHS-Regulation (EG) Nr. 1272/2008

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1. Product identifier

1.1 Identification of the substance:

Trade name: PKNG – pipes and fittings

1.2 Use of substance/preparation:

Dispersion of pigments and/or additives within a polyolefin carrier for manufacture of pipes and fittings for sewage applications.

Additives: Antioxidant agent, mineral reinforcing substance

1.3 Identification of the company:

Poloplast GmbH & Co KG

Poloplast-Straße 1

4060 Leonding

phone: 0043/732/3886-0

fax: 0043/732/3886-9

1.4 Emergency phone:

Vergiftungsinformationszentrale VIZ (Poisoning Information Centre)

phone: 0043 1 406 43 43

2. Hazard identification

2.1 Indication of particular hazards to humans:

Inhalation of granulates breeze (dust) can lead to irritation of the respiratory tract. Long-term inhalation of greater quantities of cleavage products can lead to headache and irritation of the respiratory tract.

2.2 Indication of particular hazards to the environment: No particular hazards to the environment

3. Composition/information on ingredients

3.1 Chemical characterization (individual substance):

3.1.1 Description: Polypropylene (Homo and Block), mineral reinforcing substance

3.1.2 Chemical characterization (preparation): None

3.2 Hazardous ingredients: None

Name	CAS no.	% by weight	Symbol	R phrases
None				

4. First aid measures

4.1 General information: The product is not classified as dangerous to health

4.2 After inhalation: Supply fresh air after inhalation of conflagration gases; medical consultation

4.3 After skin contact:

Molten material on the skin has to be cooled as soon as possible (apply water), but must not be removed. Provide medical aid, skin burns must be treated in hospital

4.4 After eye contact: Can be removed, as any foreign body, provide medical consultation

4.5 After ingestion: Product is not harmful to health. Show safety data sheet at medical consultation.

4.6 Information for the physician: The material contains inert solid matter

5. Firefighting measures

5.1 Extinguishing media: Carbon dioxide, foam, fire extinguishing powder, water fog

5.2 Extinguishing agents unsuitable for safety reasons: Water jet

5.3 Indication of particular hazards occurring during firefighting, particular hazards during fire:

Decomposition by heat leads to the development of carbon dioxide, carbon monoxide and water

5.4 Special protective equipment for firefighting:

Apply the usual protective equipment

6. Accidental release measures

6.1 Personal safety provisions:

Granulates being spilled on the ground must be immediately removed in order to prevent accidents by slipping.

6.2 Environmental protection: None

6.3 Methods of cleaning up / absorption: Mechanical removal

6.4 Additional Information: None

7. Handling and storage

7.1 Handling: Not relevant

7.2 Storage: Do not store in open, insufficiently or incorrectly labelled packaging

7.3 Intended purpose: Sewage applications

8. Exposure limits and personal protection equipment

8.1 Components with occupational exposure limits which must be controlled:

Maximal occupational concentration of dust contained in the air:

TLV-TWA = 3 mg/m³; ACGIH(1999).

8.2 Limits and monitoring of exposure:

None

General protective measures and hygiene:

None

8.2.1 Limitation and monitoring of exposure at workplace:

8.2.1.1 Respiratory protection: None

8.2.1.2 Hand protection: Before breaks and the end of work wash hands

8.2.1.3 Eye protection: None

8.2.1.4 Body protection: Workwear

8.2.2 Limitation and monitoring of environmental exposure: None

9. Physical and chemical properties

9.1 Appearance:

Physical state: Granulates

Colour: Depending on coloration

Odour: None

9.2 Data relevant to health and safety:

Boiling point: Not applicable

Melting point: 100 - 180 °C

Flash point: Not applicable

Inflammation temperature: > 300°C

Explosion hazard: Not applicable

Explosibility Limit: Not applicable

Fire spreading properties: Not applicable

Vapour pressure: Not applicable

Density: (20 °C) ca. 1,10 - 1,20 g/cm³

Solubility in water: (20 °C) insoluble

pH-value: Not applicable

Viscosity: Not applicable

9.3 Further information: None

9.4 Explanations: None

10. Stability and reactivity

10.1 Conditions to avoid: Temperatures above 250 °C.

10.2 Materials to avoid:

No dangerous reactions to be expected when stored and handled according to instructions

10.3 Hazardous decomposition products:

At temperatures above 250°C hydrocarbons, carbon dioxide and carbon monoxide may be Formed.

11. Toxicological information

11.1 Toxicology: The product was not tested.

11.2 Acute effects:

Acute oral toxicity: LD 50 (rat-oral): >2000 mg/kg

The product was not tested. The statement is derived from properties of the individual components. Polyolefins are not toxic. Inhalation of granulates breeze (dust) can lead to irritations of the respiratory tract. Long-term inhalation of greater quantities of cleavage products can lead to headache and irritation of the respiratory tract.

Primary skin irritation: Not relevant

Primary eye irritation: Not relevant

11.3 Sensitizing: No sensitizing effect known

11.4 Repeated dose toxicity: Unknown

11.5 CMR-effects: Unknown

11.6 Summary assessment of CMR-effects: No CMR-effects known

11.7 Practical tests:

No evidence of adverse effects on humans by e.g. occupational medical data or experience in handling the product.

11.8 Further information: None

12. Ecological information

12.1 Ecotoxicity:

The product is not classified as harmful to the environment. No acute toxicity is expected. Granules may cause medical side effects mechanically if swallowed by waterfowl or aquatic organisms.

12.2 Mobility:

The hardly water soluble solid will stay in the ground and can be transported by wind or currents.

12.3 Persistence und degradability: The polymer is not degradable.

12.4 Bioaccumulation potential:

This water insoluble polymeric solid is expected to be inert within the environment. Under sunlight photochemical degradation of the surface is expected. Due to the relatively high molecular weight ($M_w > 1000$) it is most likely that no bioaccumulation occurs.

12.5 Results of the determination of PBT properties:

The ingredients in this formulation do not meet the criteria for classification as PBT or vPvB.

12.6 Other adverse effects:

The ingredients in this formulation do not contain organically bound halogen. There is no ozone depletion potential, photochemical ozone formulation and / or global warming potential (GWP)

12.7 Further notes: The product can be separated mechanically

13. Disposal considerations

The disposal of uncontaminated material includes mechanical and chemical recycling or energy recovery. In some countries disposal is allowed on a landfill. Contaminated material has the same potential although additional assessment is required. For all countries disposal methods must comply with national and local laws and regulations. All methods of disposal must comply with Directives 91/156/EWG and 91/689/EWG and their amendments as incorporated into national law as well as with EU directives dealing with critical waste streams. Transfrontier transport of waste shall be in accordance with Directive 93/259/EWG and its amendments.

14. Information on transportation

Land transport: Not regulated

Shipping transport: Not regulated

Air transport: Not regulated

Inland ship transport: Not regulated

Does not require labelling

15. Regulations

15.1 Material safety assessment:

The classification and labelling is carried out for substances in accordance with the Stoffrichtlinie 67/548/EWG and for preparations in accordance with Zubereitungsrichtlinie 1999/45/EG. (+Adjustments):

European Inventory of Existing Commercial Chemical Substances (EINECS):

This product is a polymer according to Richtlinie 93/32/EWG (for the seventh amendment of Richtlinie 67/548/EWG) and all starting materials and dedicated additives are listed in the European Inventory of Existing Commercial Chemical Substances (EINECS) or comply with the requirements for European (EU) chemical inventories.

Labelling: This product is not classified as dangerous according to EG-criteria.

15.2 Labelling: Does not require labelling

15.3 Further EU regulations: None

15.4 National regulations:

The classification and labelling comply with the Austrian Chemicals Act 1996 BGBl 53/1997.

No dangerous product in the sense of the Austrian Chemicals Act.

Medical examination obligation: None

Major accident regulations: Quantity threshold in kg: none

Water hazard class: WGK 0 (not hazardous to water, self-classification)

Other regulations, restrictions, prohibition regulations: Not relevant

16. Further information

Further information: None

The data sheet has been drawn up by:

Poloplast GmbH & Co. KG

The information in this safety data sheet describes the present level of knowledge about our products. The safety data sheet provides information on product handling and safety-relevant requirements. It does not give any definite promises of product properties and agreed upon in contracts.