

SAFETY USE INSTRUCTION SHEET

Date: 23-11-2022

1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product name:LDPE A01 POWDER

1.2 Application of the preparation:

1.3 Manufacturer / Supplier :

1.4 Emergency phone number

2. HAZARDS IDENTIFICATION

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Classification (REGULATION (EC) No 1272/2008): Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008. TSCA Listing Falls under the Polymer Exemption (TSCA).
Label elements (REGULATION (EC) No 1272/2008): No label necessary for this product.

OTHER HAZARDS

POTENTIAL HEALTH EFFECTS:

Acute exposure: Contact with the product, when handled at high temperatures, can cause serious burns.
Inhalation : At high temperature, products of thermal decomposition can be irritating to respiratory system. Skin contact: At high temperature, products of thermal decomposition can be irritating to skin. Eye contact: At high temperature, products of thermal decomposition can be irritating to eyes. Decomposition products: See chapter 10.

3. COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME	HAZARDOUS SUBSTANCE
Polyethylene	not applicable This mixture does not contain substances that pose a danger to health or the environment in accordance with the Regulation (EC) No. 1272/2008.

4.FIRST AID AND MEASURES

General advice:

No hazards which require special first aid measures.

Inhalation:

Inhalation of vapours due to thermal decomposition: Move to fresh air. Oxygen or artificial respiration if needed. In case of persistent problems: Consult a physician.

Skin contact:

Wash off with soap and water. On contact with hot product: Cool skin rapidly with cold water after contact with molten material. In case of adhesion, do not try to remove the product. Treat the affected areas as thermal burns. Consult a physician.

Eye contact:

Rinse immediately with plenty of water, also under the eyelids. If irritation persists, consult an ophthalmologist. On contact with hot product: Cool eyes rapidly with cold water after contact with molten polymer. Consult an ophthalmologist immediately.

Ingestion:

In case of problems: Consult a doctor.

Protection of first-aiders:

Dusts: In case of insufficient ventilation, wear suitable respiratory equipment.

Most important symptoms/effects, acute and delayed:

No data available.

Indication of immediate medical attention and special treatment needed, if necessary:

No data available.

5. FIRE-FIGHTING MEASURES

Extinguishing media:

Suitable extinguishing media: Foam, Water spray, Carbon dioxide (CO₂). Unsuitable extinguishing media: High volume water jet.

Special hazards arising from the substance or mixture:

Thermal decomposition giving toxic and corrosive products: Carbon monoxide, Ammonia, Amino derivatives

Advice for firefighters:

Specific methods: Thermoplastic polymers can burn. Protect product from flames; maintain proper clearance when using heat devices, etc. Irritating or toxic substances will be emitted upon burning, combustion or decomposition. Large masses of molten polymer held at elevated temperatures for extended periods of time may auto-ignite.

Advice for firefighters:

Special protective actions for fire-fighters: Wear self-contained breathing apparatus and protective suit

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Avoid contact with skin and eyes and inhalation of dust. Wear a dust mask and safety glasses/goggles if necessary. In case of insufficient ventilation, wear suitable respiratory equipment.

Environmental precautions:

Do not release into the environment. Do not let product enter drains.

Methods and materials for containment and cleaning up:

Recovery: Recover the product. Sweep up to prevent slipping hazard.

7. HANDLING AND STORAGE

Precautions for safe handling:

The product does not require special handling measures, the following general measures are recommended: For personal protection, see section 8. In the application area, smoking, eating, and drinking must be prohibited. Follow legislation on occupational health and safety. Keep the product in containers made of a material identical to the original

Conditions for safe storage, including any incompatibilities:

The product does not require special storage measures. As general storage measures, sources of heat, radiation, electricity and contact with food should be avoided. Keep the containers between 5 and 35° C, in a dry and well-ventilated place. Store according to local legislation. Observe indications on the label.

8. EXPOSURE CONTROLE / PERSONAL PROTECTION

Control parameters:

Exposure Limit Values: Not relevant
Derived No Effect Level (DNEL): This information is not required.
Predicted No Effect Concentration: This information is not required.

Exposure controls:

General protective measures: Ensure ventilation of work areas and extraction of dust or vapours likely to be given off during conversion operations (product handled when hot).

Personal protective equipment:

Respiratory protection: Product handled when hot: In case of insufficient ventilation, wear suitable respiratory equipment. In the case of hazardous fumes, wear self-contained breathing apparatus.

Personal protective equipment:

Hand protection: Gloves (product handled when hot)

Personal protective equipment:

Eye/face protection: Safety glasses/goggles (product handled in molten state) - Wear face-shield and protective clothing in case of problems during processing

Personal protective equipment:

Skin and body protection: Boots (product handled in molten state)

9. PHYSICAL AND CHEMICAL PROPERTIES

- Physical appearance:

Powder

- Colour:

White

- Odour:

Characteristics of polymers

- Melting range:

102° - 106°C

- Auto-ignition temperature:

NA

- Thermal decomposition:

NA

- Solubility in Water (20°C):

NA

10. STABILITY AND REACTIVITY

Reactivity:

No data available.

Chemical stability:

The product is stable under normal handling and storage conditions.

Possibility of hazardous reactions:

None under normal conditions of use.

Conditions to avoid:

Heat, flames and sparks. Exposure to moisture. Temperatures above 60 °C (to maintain the technical properties of the product).

Incompatible materials to avoid:

Strong acids and oxidizing agents.

Hazardous decomposition products:

Thermal decomposition: NA. Decomposition temperature: NA. Temperature exceeding 500 °C: NA. Thermal decomposition giving toxic and corrosive products: Carbon monoxide, Ammonia, Amino derivatives. Formation of toxic products through combustion: Carbon oxides, Hydrogen cyanide (hydrocyanic acid), (traces).

11.TOXICOLOGICAL INFORMATION

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All available and relevant data on this product and/or the components quoted in section 3 and/or the analogue substances/metabolites have been taken into account for the hazard assessment.

Information on toxicological effects:

Inhalation: Inhalation of vapours due to thermal decomposition:, Risk of irritation of respiratory system, Toxic effects cannot be excluded.

Information on toxicological effects:

Ingestion: Polymer: According to its composition, this product should not be harmful in normal conditions of use

Information on toxicological effects:

Dermal: Polymer : According to its composition, this product should not be harmful in normal conditions of use.

Local effects (Corrosion / Irritation / Serious eye damage):

Skin contact: Polymer: According to its composition, can be considered as: Slightly or not irritating to skin .
Contact with the product, when handled at high temperatures, can cause serious burns. At high temperature, products of thermal decomposition can be irritating to skin.

Local effects (Corrosion / Irritation / Serious eye damage):

Eye contact: Polymer: According to its composition, can be considered as: Slightly or not irritating to eyes .
Contact with the product, when handled at high temperatures, can cause serious burns. At high temperature, products of thermal decomposition can be irritating to eyes.

Respiratory or skin sensitization:

Inhalation: No data available. Skin contact: According to its composition, can be considered as: Not a skin sensitizer .

CMR effects:

Mutagenicity: Contains no ingredient listed as a mutagen. Carcinogenicity: No data available. Reproductive toxicity: Polymer: According to its composition, this product should not be harmful in normal conditions of use.
Foetal development: Polymer: According to its composition, this product should not be harmful in normal conditions of use.

Specific target organ toxicity:

Single exposure: Inhalation: Dust inhalation: Risk of irritation of respiratory system. Repeated exposure: According to its composition, this product should not be harmful in normal Conditions of use.

13.ECOLOGICAL INFORMATION

Acute toxicity

Fish: No data available. Aquatic invertebrates: No data available. Aquatic plants: No data available.
Microorganisms: No data available.

Persistence and degradability

Biodegradation (In water): Inert polymer, not biodegradable on the basis of its structure

Bioaccumulative potential

No data available.

Mobility in soil - Distribution among environmental compartments:

No data available.

Results of PBT and vPvB assessment:

This information is not required.

Other adverse effects:

Unknown.

14.DISPOSAL CONSIDERATIONS

Waste treatment methods:

Do not dump into sewers or waterways. Waste and empty containers must be handled and eliminated according to current, local/national legislation. Follow the provisions of Directive 2008/98/EC regarding waste management.

15. TRANSPORT INFORMATION

Transport Information:

Not classified as dangerous in the meaning of transport regulations.

16. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the mixture:

The product is not affected by the Regulation (EC) No 1005/2009 of the European Parliament and of the Council of 16 September 2009 on substances that deplete the ozone layer. The product is not affected by Directive 2012/18/EU (SEVESO III). The product is not affected by Regulation (EU) No 528/2012 concerning the making available on the market and use of biocidal products. The product is not affected by the procedure established Regulation (EU) No 649/2012, concerning the export and import of dangerous chemicals.

17. OTHER INFORMATION

Classification (Regulation (EC) No. 1272/2008):

This mixture is not dangerous according to 1272/2008/EC.

Full text of R and H phrases referred to section 3:

This document applies to the product "IN STATE" in keeping with the specification provided by Protechnic. In case of combination or a mixing, make sure that any new hazard can appear. The information noted on that data sheet are given in good faith and based on our last knowledge, referring to the concerned product, on the date of edition. Nevertheless some of this information are in reviewing. User attention has to be drawn on the risks that would have been caused by an unsuitable use of the product. This data sheet must only be used or reproduced for prevention or safety purposes. The enumeration of the legislative regular and administrative texts cannot be considered as exhaustive. The recipient of the product has to refer himself to all official texts concerning using, detention and handling of the product for which he is the only responsible. The users must inform other people of the risks they can run with getting in touch with the product (stocking, containers cleaning, and various interventions) by showing them this safety data sheet.