

MSDS CARD AUTOMATICALLY TRANSLATED

MATERIAL SAFETY DATA SHEET

(In accordance with Regulation (EC) No. 2015/830)

Eldo-PP-MF20

Issued:

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1. IDENTIFICATION OF THE PREPARATION AND MANUFACTURER

1.1 Identification of the preparation

Trade name: Eldo PP-M20

Chemical name: polypropylene

: polypropylene - homopolymer (CAS 9003-07-0)

: polypropylene - ethylene-propylene copolymer (CAS 9010-79-1)

Registration number: not subject to registration in accordance with Council Regulation (EC) No 1907/2006

European Parliament (Chapter I, Article 2, paragraph 9).

1.2 Purpose

The substance has a wide range of applications, for example: plastic packaging, synthetic fibers, pipes, car parts and various elements in construction, sports equipment, farm home, hygiene, etc.

1.3 Manufacturer

Eldorado Plast sp z o. o. and Euro Plast sp Z o. o. alternately

REGON: 289805802

2. IDENTIFICATION OF HAZARDS

2.1 Classification of substances

Eldo PP-M20 brand polypropylene is not classified as a hazardous substance in accordance with

Regulation (EC) No. 1272/2008 [CLP].

2.2 Hazards to human health

Eldo PP-M20 does not show any acute or long-lasting effects under normal use conditions negative impact on human health.

Inhalation of its dust may cause irritation of the respiratory organs.

When molten, it may cause serious burns when in contact with skin and eyes.

If it is processed at high temperatures, its vapors may irritate the respiratory organs and Eyes.

Swallowing a small amount should not pose a risk.

2.3 Environmental hazards

Eldo PP-M20 does not pose a threat to the environment. It is a foreign substance in the natural environment and decomposes very slowly. Decomposition occurs under the influence of UV radiation. Is not water-soluble.

2.4 Other information

It is a flammable substance, but hardly ignitable. Toxic substances may be produced during combustion irritating.

Dust is explosive if the concentration of dust in air exceeds the lower explosion limit, it exists risk of explosion. The product may be charged electrostatically.

2.5 Other hazards

Undefined.

3. COMPOSITION AND INFORMATION ON INGREDIENTS

3.1 Chemical characteristics

Polypropylene homopolymer or ethylene-propylene copolymer in the form of granules with a waxy appearance.

3.2 Harmful substances contained in the product

Lack.

4. FIRST AID

4.1 General information

No special safety measures are required. If symptoms occur medical conditions or if in doubt, consult a doctor and show the label.

4.2 Inhalation

In case of inhalation of dust or irritating vapors, remove the injured person fresh air. If symptoms persist, contact your doctor.

4.3 Eye contact

If dust gets into your eyes, rinse your eyes with water or remove the dust as in the case ordinary mechanical impurities. If symptoms persist, contact your doctor.

4.4. Skin contact

Basically, it does not require first aid. Just follow the general rules hygiene rules. If you come into contact with a hot product, do not remove it from your skin rinse burns with plenty of cold water and consult a doctor.

4.5 Ingestion

If larger amounts are swallowed, consult a doctor.

5. MEASURES IN THE CASE OF FIRE

5.1. Appropriate extinguishing media

Small fire: dry extinguishing agents, CO₂, water - scattered currents or foam.

Large fire: water - scattered currents, water mist or foam.

5.2. Extinguishing media unsuitable from a safety point of view

Compact water current.

5.3. Special hazards in case of fire

Burning produces irritating gases and thick smoke. Possible formation of carbon oxides (CO i CO₂).

5.4. Particular explosion hazard

In equipment for transporting substances (e.g. filling or emptying silos, tanks, funnels, etc.) dust may be generated, and in the case of accumulation of larger amounts, it may result from induction static discharge may cause ignition or explosion, therefore such places should be equipped with appropriate static discharge discharge.

5.5 Firefighting safety equipment

Full protective clothing and oxygen mask.

5.6 Other data

In the event of a large fire, protect people, warehouses and anything nearby fire with a water curtain.

6. PROCEEDINGS IN THE CASE OF UNINTENTIONAL RELEASE

ENVIRONMENT

6.1 Individual precautions

Beware of spilled granules, they may cause slipping and falling. Don't stay where you are which dispersed the polymer dust to prevent inhalation. Protect your skin and eyes in front of the molten polymer.

6.2 Environmental precautions

Do not flush the spilled substance into the sewage system.

6.3 Recommended cleaning methods

Sweep up the spilled substance and place it in appropriate packaging (appropriate bags) or clean containers. Depending on the degree of contamination of the material, it can be designate it for recovery or disposal in accordance with the applicable regulations scope of waste.

7. HANDLING AND STORAGE

7.1. Handling the product

Observe all fire protection precautions (prohibited working with open flame, removing possible sources of ignition, smoking ban). To limit dust generation and static energy discharge. Take care not to handle the product release into the natural environment occurred.

7.2 Storage

Warehouses should meet fire safety requirements for buildings, and electrical devices comply with applicable regulations. Store the product in dry, airy and covered warehouse and protect against direct exposure sun rays. Recommended storage temperature: -20°C to + 40°C.

The distance of the product from the heat source should be at least 1 m. Make sure that no release into the environment occurred during storage.

7.3 Specific uses

Undefined.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1. Values of the maximum permissible concentrations

The permissible concentration of polyethylene dust in the air at the workplace is 5 mg.m⁻³

8.2 Exposure controls

Recommended method for determining the concentration of polypropylene dust in the air at the workplace:

gravimetry, dust measurement meter.

Occupational exposure control

Collective protection measures:

- in the case of dust, suction is effective,
- it is also recommended to install local exhaust ventilation above the processing equipment for removing vapors of melted polypropylene;

Personal protection:

Employees should have the following personal protective equipment (PPE) for eye protection at their disposal:

respiratory tract, skin, legs and hands:

Eyes - protective glasses,

Respiratory tract - a ventilation device for dust and vapor extraction is usually required, if ventilation is insufficient, use a respirator,

Leather - work clothes,

Legs - full shoes with anti-slip sole,

Hands - protective gloves made of para-aramid/carbon fabric with heat insulation minimum up to 270°C + leather cuff protecting the forearm. For example

We suggest five-finger gloves from KCL, type "Karbo TECT with leather cuff", with thermal insulation up to 350 °C.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. General information

- appearance: solid;
- color: colorless;
- odor: odorless.

9.2. Important health, safety and environmental information

- pH value: not determined
- boiling point /°C/: not determined
- flash point /°C/: 350 -370
- flammability class: C1
- lower explosion limit (dust) /g.m-3/: 32
- oxidative properties: none
- vapor pressure at 20°C: not determined
- density /kg.m3/: 900-910
- solubility in water at 20°C /g.l-1/: insoluble
- n-octanol/water partition coefficient: not determined
- viscosity at 20°C /mPa.s/: not given for a given temperature
- vapor density: not determined
- evaporation rate: not determined

9.3. Other informations

- melting point (granules) /°C/: 133-165
- ignition temperature of granules /°C/: 370-390
- polymer dust ignition temperature /°C/: 350
- minimum initial ignition energy /J/: 0.08
- calorific value / MJ.kg-1 /: 45
- density /kg.m-3/: 470-600

10. STABILITY AND REACTIVITY

10.1 Conditions to avoid

At room temperature, the substance is in a solid state.

Temperatures above 300°C, sources of ignition and static energy should be avoided.

10.2. Materials to avoid

Chlorine, fluorine and other strong oxidants.

10.3 Harmful decomposition products

At high temperature, in the presence of air or oxygen, decomposition occurs and CO, CO₂ is formed.

11. TOXICOLOGICAL INFORMATION

11.1 Strongly harmful to health

According to currently available professional knowledge, the preparation is not considered to be dangerous to humans and has no negative impact on human health.

Strong toxicity to animals

LD₅₀ intraperitoneally – rat >110,000 mg.kg⁻¹

LD₅₀ intravenously – rat > 99,000 mg.kg⁻¹

11.2. Sensitivity

Not demonstrated.

11.3. Repeated dose toxicity

Undefined.

11.4. CMR effects (carcinogenic, mutagenic and reproductive toxicity)

CMR activity has not been demonstrated.

12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity

Undefined.

12.2 Mobility

Undefined.

12.3 Persistence and biodegradation

The substance does not pose a threat to the environment. In the natural environment it is a substance

alien and decomposes very slowly. Decomposition occurs under the influence of UV radiation. Is not

soluble in water.

12.4 Bioaccumulation potential

Undefined.

12.5 PBT Assessment Results

Undefined.

12.6 Other negative influences

In accordance with the Act of the National Council of the Slovak Republic No. 364/2004 Coll. Act on water product no

has been classified as a harmful or dangerous substance.

13. DISPOSAL CONSIDERATIONS

13.1 Recommended method of disposal

If a substance - polymer granulate - is accidentally spilled, it should be ensure that the product does not enter the sewage system, as it may cause mechanical damage clogging. Ensure mechanical collection and transport for further processing, recycling or to liquidation in accordance with legal regulations. Otherwise, use in accordance with regulations waste law.

13.2 Recommended method of disposal

Energy rating R 1, material rating R 3.

13.3. Waste law

Polypropylene waste in accordance with the regulation of the Ministry of Environmental Protection no

CLXXXV/2012 on the waste index, has the classification:

European Union:

European waste catalog and hazardous waste lists (EC)

Decision of the EEA Joint Committee No 98/2008

14. TRANSPORT INFORMATION

14.1 Transport classification

The substance is not classified as dangerous under transport regulations.

14.2 Special precautions during transport

Undefined.

15. INFORMATION REGARDING LEGAL PROVISIONS

15.1 Chemical safety assessment

Undefined.

15.2 Packaging labeling

Not specified (material in accordance with Government Decree No. 98/2001 (VI.15.) regarding conditions for carrying out activities related to hazardous waste and the directive 67/548/EGK is not considered dangerous)

15.3 Other laws, regulations and directives relating to substances

European Union:

Regulation (EC) No 1907/2006 of the European Parliament on registration, evaluation, granting authorizations and restrictions on chemicals (REACH) and in the case establishing the European Chemicals Agency,

XXV. Act of the Republic of Hungary of 2000 on chemical safety

XLIII. Act of the Republic of Hungary of 2000 on waste management and amendments and additions to other acts, as they were later formulated.

Regulation No. 44/2000 (XII.27.) of the Ministry of Health on the handling of materials and dangerous products and detailed procedural provisions.

16. OTHER INFORMATION

Access to information:

In accordance with paragraph 35 of Council Regulation (EC) No 1907/2006 of the European Parliament

the employer is obliged to provide access to information from the safety data sheet to everyone employees who use this product or are exposed to it in the course of their work and employee representatives.

Declaration: the safety data sheet has been prepared in accordance with a Council Regulation

(EC) No 1907/2006 of the European Parliament. Contains the data necessary to ensure health and safety and environmental protection. This data does not they replace the quality specifications and cannot be considered as a guarantee of suitability and the possibility of using this product in a specific application. Data exchanged are consistent with the current state of knowledge and experience as well as legal provisions national. The recipient is responsible for compliance with applicable local regulations.

