

Innovative applications from plastic CU

Material Safety Data Sheet

Date: 26.02.2005

Change: -----

1. Data on material and supplier

1.1. Trade name AmargICE, plates HMW PE 500, PE 500 WAX

1.2. Data on suppliers AMARGO

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2. Composition / Information on Ingredients

2.1. chemical nature Polyethylene or olefins - copolymer
stabilizers, additives

CAS number 9002-88-4

2.2. Dangerous Ingredients No

3. Hazard classification

3.1. Critical threat to man and environment Lack

4. First-aid

4.1. General Tips Material is not classified as a dangerous preparation

4.2. Breathing In case of inhalation of fumes of molten signing material: Move the affected person to fresh air, position him in semi-upright, loosen clothing and heat. In case of problems with breathing transport the injured person to a point first aid or hospital in order to provide medical care.

- 4.3. Contact with skin Any contact with the skin where there are chips melt, or the place of burns should be quickly cooled with cold water. Attach to the wound with sterile cloth, and move the injured person to the point of first aid or hospital to provide medical care. Note: Do not detach the molten material from the wound.
- 4.4. Contact with eyes Wash the eyes for at least 15 minutes under running water without closing eyelids.

5th Fire-fighting measures

- 5.1. Rating The product is moderately flammable
- 5.2. Suitable extinguishing media Forming a layer of heavy foam or water
- 5.3. Dry powder Only in the early stages of a fire
- 5.4. Inappropriate extinguishing agents Water stream
- 5.5. Substances that may be emitted during a fire CO, CO₂ and soot
- 5.6. Special hazards Be careful, because the solid material can burn. Elements of solid molded or burn slowly, producing a low smoke density and decreasing the flames, but are emitted carbon monoxide and irritants of organic substances containing oxygen.
- 5.7. Special fire equipment A fire in a confined space should only be approached with an independent breathing apparatus with positive pressure and full protective clothing, ie a protective coat, helmet with face shield, gloves, rubber boots.
- 5.8. Supplement measures Avoid the manufacture of fine particles of the product and static electricity.

6. Accidental release procedures

- 6.1. Personal precautions in all premises of the work adequate sanitary facilities should be available with mild soap and for cleaning hands. For washing hands, you should never use solvents. Smoking, eating and drinking in the area of the work and storage should be prohibited. The ventilation system should be installed in a place where:
- there is the process of melting material

- grinding or machining of solids is being held,

- any high temperature processes (eg, sealing) are carried out.

6.2. Environmental measures

Removing this material poses no toxicological and / or organic risk. Material should not be discharged into the channels or to the natural waters.

6.3. Methods of cleaning up

Place in containers for re-use or disposal.

6.4. Complementary measures

It is recommended to use protective mask during grinding.

7. Handling and storage of the substance

7.1. The procedure

it should be used during handling and transport pneumatic product: fire protection and explosion. Avoid the accumulation of fine material (<0.125 mm), especially when the product is transported pneumatically. This product contains flammable polymers. Please use appropriate fire security.

8. Exposure control and individual protection measures

8.1 Technical equipment

Components of parameters allow control of the workplace safety of personal protective equipment and general hygiene measures

8.1. Technical Equipment

Additional information on the distribution of technical equipment (see paragraph 7)

8.2. Components of the parameters enabling inspection of job

Lack

8.3. Personal Protective Equipment

Lack

8.4. General Safety and hygiene measures

While working with granulated dust usually does not cause problems with breathing.

8.5. Respiratory Protection

Provide appropriate exhaust ventilation at the place where there are facilities. The product gas is strongly overheated. Avoid inhalation.

8.6. Hand protection

Working with hot melting, heat-resistant gloves should be used.

8.7. Eye Protection

Working with hot smelting, use heat-resistant face shield.

8.8. Skin and body protection

Wearing, high boots and / or full protective clothing is not necessary here and is subject to

the decision of the person implementing the process.

9. Physical and chemical properties

9.1. Form

constant (at 20 ° C)

9.1.1. Format

a solid sheet

9.1.2. Colour

Natural color, variable, depending on shade

9.1.3. Smell

generally inodorous

9.2. Safety characteristics

9.2.1. Changes in physical appearance

Boiling point

not concerns

Melting point

50-140

9.2.2. Lower explosion limit

20 g/m³

9.2.3. Upper explosion limit

about 2000 g/m³

9.2.4. Flash-point

> 360 ° C

9.2.5. Density (at 23 ° C) (DIN 53479)

0,90-0,97 g/cm³

9.2.6. Bulk Density (DIN 53 466)

350-650 kg/m³

9.2.7. Solubility in water

insoluble

10. Stability and reactivity

10.1. Conditions to be avoided

under normal conditions decomposition of unstable products is not possible
Decomposition occurs only at extreme temperatures (above the decomposition temperature).

10.2. Materials to be avoided

There are no incompatible materials.

10.3. Thermal decomposition

> 390 ° C

10.4. Hazardous reactions

The risk of dust explosions Avoid the accumulation of fine material, especially when the product is transported pneumatically. Class: ST1

10.5. Hazardous Decomposition Products

Monomers, inflammatory gases / vapors

11. Toxicological Information

11.1. Additional Information

According to our experience and information available to us the product is not harmful to health provided that proper handling and processing in specified recommendations.

12. Ecological Information

12.1. Additional Information

This product has not been subjected to tests. Because of its consistency and low solubility in water bioavailability is not possible.

13. Disposal

13.1. Product

Look for the possibility of recycling. The product should be disposed of by dropping in a landfill or incineration in accordance with local regulations.

13.2.

Contaminated packaging should be flushed as far as possible, and then transferred to the recycling after careful purifying.

14. Transport information

In the transport rules is not classified as dangerous product.

15. Regulatory information

15.1. Marking complying with EEC Directives

Not subject to labeling.

15.2. National Provisions

16. Additional information

The information contained in this document are consistent with the best of our knowledge and therefore not guarantee certain properties. Recipients of our product must take responsibility for compliance with applicable laws and regulations. This Material Safety Data Sheet has been provided by AMARGO Poland, in accordance with Directive 91/155/EEC. For additional information or an emergency

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Date: 26.02.2005

Signature:.....