1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

1.1 Product and Trade name: **DINALON® Ref.: A2V25 DI**

POLYAMIDE 66 UNREINFORCED (ALL COLOURS)

1.2 Uses: Polyamide 66 unreinforced, for injection or extrusion.

1.3 Producer / Supplier: REPOL, S.L.

Políg. Industrial “El Mijares”

12550 ALMASSORA, CASTELLÓN, ESPAÑA

Tel.: (34) 964 56 02 83

Fax.: (34) 964 56 39 01

1.4 Emergency information:

REPOL, S.L.: Tel. +34 / 964 56 05 25  Fax. +34 / 964 56 39 01

INSTITUTO NACIONAL DE TOXICOLOGÍA: +34 91 562 04 20

2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical characterisation:

<table>
<thead>
<tr>
<th>Chemical</th>
<th>CAS-No</th>
<th>%</th>
<th>Symbols and phrases</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polyamide 66</td>
<td>32131-17-2</td>
<td>&gt;50</td>
<td>...</td>
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<tr>
<td>Additives</td>
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3. HAZARDS IDENTIFICATION

Health risks: None.

Specific hazards: None.

4. FIRST AID MEASURES

**Eye contact:** In case of eye contact with molten material, rinse thoroughly for 5-15 minutes with cold flowing water and consult a doctor.

**Skin contact:** Molten resin will cause thermal burns. If contact with molten resin occurs the affected area should be flushed with plenty of water. Do not peel polymer from skin. Prompt medical attention is advised for burns.

**Inhalation:** Move to fresh air in case of accidental inhalation of fumes from overheating or combustion. Drink water to clear throat, and blow nose to remove dust. Irritation of the upper respiratory tract, coughing, and congestion may occur.

**Ingestion:** Not applicable.

**General advice:** Show this data sheet to the doctor.
5. FIRE-FIGHTING MEASURES

5.1 Suitable fire extinguishing media: Water, foam, dry powder, CO₂. Follow usual procedures for chemical fires.

5.2 Media to avoid: None.

5.3 Specific fire hazards: Polyamide can burn if exposed to flame. Molten polymer generates small amounts of volatile degradation products (off-gases). Combustion products will be comprised of compounds of carbon, hydrogen, and oxygen. The exact composition will depend on the conditions of combustion.

5.4 Fire-fighting equipment: Fire-fighters should wear full-face, self contained breathing apparatus and impervious protective clothing. Fire-fighters should avoid inhaling any combustion products.

5.5 Specific methods: None.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions: Wear personal protection equipment.

6.2 Clean-up procedures: Wastes are not hazardous as defined by the Resource Conservation and Recovery Act (RCRA; 40 CFR 261). Comply with state and local regulations for disposal of these products. If you are unsure of the regulations, contact your local Public Health Department, or the local office of the Environmental Protection Agency (EPA).

6.3 Environmental protection measures: Keep away from drainage systems, surface water and underground water. Cover drainage if necessary. Sweep up small spills and put into an appropriate container.

7. HANDLING AND STORAGE

7.1 Handling procedures: Customary personal hygiene measures, such as washing hands after working with these products are recommended. Provide appropriate exhaust ventilation at machinery and at places where dust can be generated. Keep away from ignition sources. Do not smoke. Prevent static electricity.

7.2 Storage procedures: To be stored in a cool and dry place. Use vapour tight packaging material (hygroscopic).
8. EXPOSURE CONTROL / PERSONAL PROTECTION

8.1 Exposure limits:

(Particulates Not Otherwise Classified. Respirable fraction)

VLA-ED = 3 mg/m³; (a) ; INSHT (1999)

8.2 Exposure controls:

8.2.1 Personal protection:

8.2.1.1 Respiratory protection: Use an approved full face respirator to protect against dust and / or fumes.

8.2.1.2 Hand protection: Leather or cotton gloves should be worn to prevent skin contact and irritation.

8.2.1.3 Eye protection: Wear safety glasses with side shields.

8.2.1.4 Skin protection: Wear gloves and loose-fitting, long-sleeved clothing.

8.2.1.5 Environmental exposure controls: No special cautions are needed.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 General product information

Appearance: Solid. Translucent or opaque pellets with colour indicated in product description.

Odour: None.

9.2 Relevant information regarding to health, safety and environment.

pH: Not applicable.
Boiling point / interval: Not applicable.
Flash point: >400°C
Flammability (solid/gas): Not proved.
Explosive properties: Not applicable.
Comburent properties: Not applicable.
Vapor pressure: Not applicable.
Relative density (at 20°C): 1.05-1.20 g/cm³
Solubility:
  • In water: Insoluble.
  • In solvents: Soluble in some specific acids.
Viscosity: Not determined.
Vapor density: Not applicable.
Evaporation speed: Not applicable.

9.3 Further data

Decomposition temperature: About 350°C
Melting point / interval: >250°C
10. STABILITY AND REACTIVITY

10.1 Conditions to avoid: Temperatures above 340ºC. Keep away from flames, heat surfaces and ignition sources.

10.2 Materials to avoid: Strong acids and oxidising agents.

10.3 Hazardous decomposition products: Combustion or thermal degradation could release irritating gases and vapours (water, CO/CO₂ mixtures, Nitrogen oxides, HCN, NH₃...)

11. TOXICOLOGICAL INFORMATION

During injection or extrusion little quantities of some substances can be released: water, CO₂, CO, ketones, acids and traces of aldehyds. Values under exposure limits on 8.1 can be maintained by providing a good ventilation.

- Acute oral toxicity: Not determined.
- Inhalation/ingestion: Not determined.
- Eye irritation: Resin pellets, as other inert materials, are mechanically irritants for eyes.
- Skin irritation: Not irritant.
- Skin sensitivity: Not sensitizing.

12. ECOLOGICAL INFORMATION

12.1 Mobility: Not water soluble. No underground mobility. Decomposition products are water soluble and mobile.

12.2 Eco-toxicological effects: The product is insoluble in water as polymer and therefore harmless.

12.3 Persistence and degradability: Hardly biodegradable. The product is considered as difficult to eliminate by biological processes or treatments. Can be separated mechanically or by decantation in waste treatment stations. Nevertheless, soluble decomposition products are biodegradable.

12.4 Bioaccumulation potential: No data available.

12.5 Other hazardous effects: Not expected due to its composition.

13. DISPOSAL CONSIDERATIONS

13.1 Waste residues: Product can be recycled. After recovering, all the product of the same type can be melted again and transformed into moulded parts.

13.2 Containers: Contaminated packaging material must be treated in the same way that the product. The clean packaging material must be submitted to the waste management system (reusing, recycling); can be recycled or disposed as common residues.

14. TRANSPORT INFORMATION

Not classified as dangerous in the meaning of transport regulations. (ADR, RID, ADNR, IMDG, UN, ICAO/IATA-DGR).
15. REGULATORY INFORMATION

EEC - regulations: The product is not classified according to EC- regulations 67/548/ECE and 88/379/EEG. No special labelling instructions required.

16. FURTHER INFORMATION

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Polígono Industrial Mijares
12550 Almassora
Castellón

The information herein is presented in good faith and believed to be accurate as of the effective date given. However, no warranty, expressed or implied, is given. It is the buyer's responsibility to ensure that its activities comply with Federal, State or provincial and local laws.