

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 24.04.2015

Revision: 14.02.2013

1 Identification of the substance/mixture and of the company/undertaking

- **Product identifier**
- **Trade name:** PULRON 101 Series
- **Relevant identified uses of the substance or mixture and uses advised against no info.**
- **Application of the substance / the preparation no info.**
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
 Elastron Kimya A.Ş.
 Gebze Organize Sanayi Bolgesi (GOSB)
 Tembelova Alanı 3300 Sokak No:3322
 GEBZE-KOCAELI
 TURKEY
 elastron@elastron.com
- **Further information obtainable from:** Product safety department
- **Emergency telephone number:** During normal opening times: +90 262 643 00 01

2 Hazards identification

- **Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**
 The product is not classified according to the CLP regulation.
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC** Not applicable.
- **Information concerning particular hazards for human and environment:**
 The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
- **Classification system:**
 The classification is according to the latest editions of the EU-lists, and extended by company and literature data.
- **Additional information:**
 Precautions should be taken to prevent the formation of dust in concentrations above flammable, explosive or occupational exposure limits.
- **Label elements**
- **Labelling according to EU guidelines:**
 Observe the general safety regulations when handling chemicals.
 The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (German GefStoffV).
- **Additional information:** Void
- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients

- **Chemical characterization:** Mixtures
- **Description:** The blend of polyolefins, pigments and additives.
- **Dangerous components:** Void
- **Additional information:** For the wording of the listed risk phrases refer to section 16.

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4 First aid measures

- **Description of first aid measures**
- **General information:** No special measures required.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**
After contact with the molten product, cool rapidly with cold water.
Wash with soap and water.
- **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:** use water spray, foam, dry chemical or CO₂
- **For safety reasons unsuitable extinguishing agents:**
High pressure systems such as inert gas should not be recommended.
- **Special hazards arising from the substance or mixture**
In case of fire, the following can be released: CO, CO₂, ketones, aldehydes and organic products of decomposition.
- **Advice for firefighters**
- **Protective equipment:** Mouth respiratory protective device.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Ensure adequate ventilation
Avoid formation of dust.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Avoid formation of dust. Contain and collect spillage with a vacuum cleaner.
- **Reference to other sections**
No dangerous substances are released.
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

- **Handling:**
- **Precautions for safe handling**
Keep away from heat and direct sunlight.
Ensure good ventilation/exhaustion at the workplace.
Open and handle receptacle with care.
- **Information about fire - and explosion protection:** No special measures required.

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- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
Store in a dry well-ventilated place away from sources of heat, ignition and direct sunlight
Containers that are opened must be carefully resealed and kept upright to prevent leakage.
Smoking is not allowed.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical facilities:**
The powder in air should be treated as a dust as recommended in HSE Publication EH40. Thus the "Time Weighted Average 8 hours" should be kept below 10 mg/m³ of total inhalable dust or 4 mg/m³ of respirable dust.
- **Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**
- **Additional information:** The lists valid during the making were used as basis.
- **Exposure controls**
Avoid the inhalation of dust. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.
- **Personal protective equipment:**
- **General protective and hygienic measures:**
The usual precautionary measures are to be adhered to when handling chemicals.
- **Respiratory protection:** Suitable respiratory protective device recommended.
- **Protection of hands:** During processing heat resistant gloves should be worn.
- **Material of gloves**
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** If very dusty wear tight fitting safety goggles.
- **Body protection:** The skin should be covered to avoid burns from hot metal before and after coating.

9 Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**

Form:	Powder
Colour:	According to product specification
- **Odour:** Waxy
- **Odour threshold:** Not determined.
- **pH-value:** Not applicable.
- **Change in condition**

Melting point/Melting range:	90-120 °C (DSC)
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Boiling point/Boiling range:	Undetermined.
· Flash point:	Not applicable.
· Flammability (solid, gaseous):	Only flammable at high temperatures (above 300 °C)
· Ignition temperature:	
Decomposition temperature:	Not determined.
· Self-igniting:	Product is not selfigniting.
· Danger of explosion:	Product does not present an explosion hazard. Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
· Explosion limits:	
Lower:	140 g/m ³
Upper:	Not determined.
· Vapour pressure:	Not applicable.
· Density at 20 °C:	0.94 g/cm ³
· Relative density	Not determined.
· Vapour density	Not applicable.
· Evaporation rate	Not applicable.
· Solubility in / Miscibility with water:	Insoluble.
· Partition coefficient (n-octanol/water):	Not determined.
· Viscosity:	
Dynamic:	Not applicable.
Kinematic:	Not applicable.
· Solvent content:	
Organic solvents:	0.0 %
VOC (EC)	0.00 %
Solids content:	100.0 %
· Other information	No further relevant information available.

10 Stability and reactivity

- **Reactivity** Strong oxidising agents are materials to avoid.
- **Possibility of hazardous reactions** Strong oxidising agents are materials to avoid.
- **Conditions to avoid** Avoid prolonged exposure to temperatures in excess of 300 °C
- **Hazardous decomposition products:** No hazardous decomposition products known.

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** May cause irritation. Molten polymer will cause burns.
- **on the eye:** Irritating effect.
- **Sensitization:** No sensitizing effects known.

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· Additional toxicological information:

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

Processing fumes may cause irritation.

12 Ecological information

· Toxicity

· Aquatic toxicity: No further relevant information available.

· Persistence and degradability No further relevant information available.

· Behaviour in environmental systems:

· Bioaccumulative potential No further relevant information available.

· Mobility in soil No further relevant information available.

· Additional ecological information:

· General notes: Not known to be hazardous to water.

· Results of PBT and vPvB assessment

· PBT: Not applicable.

· vPvB: Not applicable.

· Other adverse effects No further relevant information available.

13 Disposal considerations

· Uncleaned packaging:

· Recommendation: Disposal must be made according to official regulations.

14 Transport information

· Transport/Additional information: Not dangerous according to the above specifications.
not dangerous according to transport regulation

15 Regulatory information

· Safety, health and environmental regulations/legislation specific for the substance or mixture

· Labelling according to EU guidelines:

· Safety phrases:

Wear suitable protective clothing, gloves and eye/face protection.

Do not breathe dust.

Take precautionary measures against static discharges.

In case of insufficient ventilation, wear suitable respiratory equipment.

· Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Department issuing MSDS: Product safety department

· Contact: Ms Dilek Ergül Regulatory Affairs

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· Abbreviations and acronyms:

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

VOC: Volatile Organic Compounds (USA, EU)

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