



Safety Sheet

Rev.0: 01.03.2019

* 1 Identification of the product and of the company/enterprise

- **Product identifier**
- **Commercial denomination:** FORLENE
HIGH DENSITY POLYETHYLENE (HDPE)
- **Chemical denomination:** HIGH DENSITY POLYETHYLENE
- **Uses of the substance/ Mixture:** Production of various final applications in plastic material.
- **Information of the supplier of the form of safety data:**
- **Address and contact of the Company/ Enterprise:** Forever Plast S.p.A.
via IV novembre 58c Lograto (BS) 25030
Phone number +39 0309780044

* 2 Identification of the dangers

- **Classification of product**
- **Classification according to the regulations 88/379/CEE, 92/32/CEE, 93/112/CEE and the legislative decree 52/97** the product is not classified as dangerous.
- **Risks to humans and environment:** The product is not a risk for the human health when it is subject to storage and processing. The product is not dangerous according to the European Union's standards.
The product is stable in the normal condition of manipulations and storage.
There is no risks for the environment.

* 3 Composition/information about the ingredients

- **Chemical composition:**
Substances· HDPE: FORLENE
HIGH DENSITY POLYETHYLENE (HDPE)

* 4 First aid procedures

- **Description of the first aid procedures**
- **General indications:** It does not need specifications measures.
- **Inhalation:** Powders and vapors released by thermal activities: take away the patient from the contaminated area; call the doctor.
- **Skin contact:** In case of contact with melted materials, cool down the contaminated part with cold water and call the doctor. Don't remove the product which is solidified on the skin. Treat like scalding.
- **Eye contact:** Wash with running water for a couple of minutes keeping the eyelids open.



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· **Ingestion:** If necessary call the doctor.

* 5 Fire-fighting procedures

· **Means of extinguisher**

· **Suitable means of extinguisher:** Water, Waterspray, foam, chemical powder, carbon dioxide.

· **Specials dangers deriving of the substance or mixture:** The product, in case of fire, burns and release smoke compound of water, carbon dioxide, carbon monoxide (to decrease of the air/oxygen available) and others combustion's products.

· **Recommendations for the employees to extinction of the fires.**

· **Specifications protective materials:** Use proper individual protective equipment (breathing apparatus, helmet, eye protection, suit, gloves and fireproof boots).

· **Further indications:** The product is combustible.

Cool down the close containers to the flames with spray waters.

* 6 Proceedings in case of accidental release

· **Personal precautions, devices of protections and procedure in case of emergency:** Don't walk on the granule, risk of slipping.

· **Precautions of the surrounding:** Don't contaminate the sewage with the product.

· **Methods and materials for circumscription and decontamination :** Pick up with the mechanical means available. Reuse if possible, or dispose according to the regulations (see section 13)

· **Reference to other sections:** For information about reuse see section 13.

No dangerous substances are released.

* 7 Handling and storage

· **Handling:**

· **Precautions for a safe handling:** The formation of dust must be avoided during handling and transportation, particularly during unloading. If there is a formation of dust, it must be eliminated.

During the processing of the product, avoid inhalation of fumes or vapors, ventilate the working place, and if necessary use an efficient aspiration system.

Information for the protection against explosions and fires: Avoid dispersion of dust in the air to reduce the risk of fire or explosion.

· **Conditions for a safe storage, including eventual incompatibility.**

· **Storage:**

· **Requirements of the storage and containers:** The silos have to be grounded to prevent formation of static electricity.

· **Further information about condition of storage:** In the warehouse and working place, keep walking floor cleaned to prevent risk of slipping.



The storage must be done following the rules to avoid risks due to instability or rupture of packaging units (octabins, big bags). The storage of overlapped big bags can be a danger for the staff working in the warehouse.

* 8 Exposure controls/ Personal protection

· **Additional information about the design of technical facilities:** No further data, see point 7.

General Protection and hygienic during work: During work under warm conditions, especially at high temperatures, can be release of traces of monomers and other volatile substances.

The working place must be provided with adequate system of ventilation or fume collection, that can be generated during processing.

- **Respiratory protection:** During the normal handling it is sufficient to have a mask with dust filter to use if the circumstances require it.
- **Protective gloves:** Gloves must be resistant to chemicals. Limit duration of the constructive material: checking the manufacture's information.
- **Material of gloves:** The selection of suitable gloves does not only depend on the material, but also form other marks of quality and varies from manufacturer to manufacturer.
- **Time of gloves' permeation:** Ask to the manufacturer the time of permeation must be respected.
- **Eye protection:** sunglasses.
- **Safety suit:** Normal dressing for work .

* 9 Chemical and physical features

· **Information about the important chemical and physical features.**

- **Generals indication**
- **Appearance:**
- **Form:** Granule
- **Dimension:** Diameter: 6mm, Height:1.5mm
- **Smell:** Soft smell of detergent
- **Melting point:** >120°C
- **Danger to explosion:** The product is not explosive.
- **Density at 20°C:** 0,94-0,97 g/cm³
- **Solubility in the water:** Insoluble.

* 10 Stability and reactivity

- **Reactivity**
- **Chemical stability**
- **Decomposition thermal/ conditions to avoid:** Respect the temperatures of recommend processing to avoid the formation of gas or toxic vapors.



Prolonged exposure at temperatures above 250°C can produce the degradation of the resin.

- **Possibility of dangers reaction:** There are no known dangers reaction.
- **Incompatible materials:** Oxidising substances
- **Dangers product of degradation:** There are not known dangers product of degradation.

* 11 Toxicological information

· Information of toxicological effects

· First irritations:

· **On the skin:** No irritations.

· **To the eyes:** The dust generated from the product can irritate the eyes.

· **Further toxicological effects:** On the base of our experience and available information the product is not dangerous to the health if it is treated correct and used normally.

· **Effect CMR (carcinogen, mutagenicity and toxicity)** No dangerous effects.

* 12 Ecological information

· Toxicity

· **Water Toxicity:** The product is not polluting and is not toxic in the water, because it is insoluble.

· **Persistence and degradability:** The product is not considered as ecotoxic.

Further indications: The product is a polymer and not biodegradable.

* 13 Considerations of disposal

· Methods for treatment of the trash

· **Advice:** The disposal of the production trash, can be done through processes of regeneration and recycle.

* 14 Information of the transport

· **Transport/further indications:** The product is not classified as dangerous for the transport according to the regulations: ADR/RID, IMO, IATA.

* 15 Regulatory Information

EU Directives



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Regulation (CE) n. 2037/2000: none.
Regulation (CE) n. 850/2004: none.
Regulation (CE) n. 689/2008: none.
Regulation (CE) n. 1907/2006, REACH attachments XIV: none.
Regulation (CE) n. 1907/2006 attachments XVII: none.
Directive 2004/37/CE: none.
Directive 92/85/CEE: none.
Directive 96/82/CE: none.
REGULATION (CE) N. 166/2006 attachments II: none.

* 16 Other Information

All the information written above are based on our knowledge; They refer only to the product above and also to the requisites of securities, and this is not warranty of particular quality.