



LDPE Sheet - Natural Safety Sheet

1. Substance/Preparation

Product Name: Polyethylene Synthetic Resin

2. Composition/Indications to Components

Chemical Characteristics: Polyethylene, high density
CAS Number: 9002-88-4
Additional Information: Can contain additives.

2. Possible Dangers

Information pertaining to particular dangers for man and environment.

The molten product adheres to the skin and causes burns.
Spilled material may present a slipping hazard.

Classification System

This product is, according to EEC directives 1999/45, 67/548, 76/769 and following amendments, not classified as hazardous.

3. First Aid Measures

General Comment: At room temperature the product is neither an irritant nor gives off any hazardous vapours. The measures listed below apply to critical situations.

After Inhalation: In case of excessive inhalation of fumes move the person to fresh air. Call for medical help.

After Skin Contact: After contact with the molten product, cool rapidly with cold water. Do not pull solidified product away from the skin. Seek medical advice immediately.

After Eye Contact: Rinse opened eye for several minutes under running water. If irritation persists, seek medical advice.

After Swallowing: No specific measures have to be taken if the product is swallowed.

5. Fire Fighting Measures

Suitable Fire Fighting Appliance: Water haze, foam, chemical powder.

Unsuitable Extinguishing Agents: Water jet.

Protective Equipment: Use a mask with universal filter. Use self-contained breathing apparatus within confined rooms.

6. Measures in Case of Unintended Release

Person Related Measures: Particular danger of slipping on leaked/spilled product.

Environmental Protection Measures: Not applicable

Measures for Cleaning/Collecting: Recycle product or dispose properly.



7. Handling & Storage

Handling:	No special requirements necessary, if handled at room temperature. Avoid spilling the product, as this might cause falls. When bringing the material to processing temperatures gases may develop forming: Ethylene and alkenes of higher molecular weight. Traces of formaldehyde and acrylaldehyde, traces of acids (formic acid, acetic acid). Provide appropriate ventilation for such processing conditions. Take precautionary measures against explosion risks, as all types of polymers may develop dust during transporting or grinding of granules. Prevent formation of dust.
Storage:	Take precautionary measures to prevent the formation of static electricity. Ground equipment electrically. Open flames prohibited.

8. Limitation of Exposition

General protective & hygienic measures:	Do not eat, drink or smoke while working.
Breathing Equipment:	Use breathing protection in case of insufficient ventilation.
Protection of hands:	Heat resistant gloves.

9. Physical & Chemical Characteristics

Phenotype

Phenotype / Form:	Pellets
Colour:	Neutral, various colours.
Odour:	Nearly odourless.

Change of State

Melting point/melting range:	50-140°C
Flash Point:	Not applicable.
Density:	0.90 – 0.97 g/cm ³
Solubility in Water:	Insoluble.

10. Stability & Reactivity

Thermal Decomposition / conditions to be avoided:

The product is stable when handled and stored under normal conditions. Decomposes over 360°C.

Dangerous Reactions:

No dangerous reactions known.

Dangerous Products of Decomposition:

No hazardous decomposition products known at room temperature.



11. Toxic Information

On the skin:	No irritant effect.
On the eye:	No irritant effect.
Sensitization:	No sensitizing effect known.
Additional Information:	When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

12. Ecological Information

No biodegradation, no solubility in water, no effects being harmful to the environment must be expected.

Mobility and bioaccumulation potential:	Floats on water.
Accumulation:	There is no bioaccumulation.
General Notes:	The product is not toxic, small particles can have physical effects on water and soil organisms.

13. Waste Disposal Information

Reuse or recycle if possible. Disposal through controlled incineration or authorised waste dump.

European waste catalogue:	07 02 13
Recommendation:	Disposal must be done according to official regulations.

14. Transport Information

According to national and international guidelines, which regulate the road, rail, air and sea transport, this product is classified as not dangerous.