

Safety Data Sheet according to 93/112/EG

Iroplast SB

1. Identification of the substance/preparation and name of the company/undertaking

Trade name: Iroplast SB (Sheet and foils)
 Manufacturer: Iroplastics Ges.m.b.H.
 Ort 57
 A-4843 Ampflwang
 Phone 0043-(0)7675-3550, Fax 0043-(0)7675-355014

Emergency information : Manufacturer / Supplier

2. Composition / information on ingredients

Chemical characterisation: Preparation of high impact polystyrene and colourants.
 Dangerous components: none

3. Hazards identification

Specific hazards: This product is not hazardous according to the EEC criteria. Breathable dusts formed during the mechanical processing of the product (e.g. drilling, sanding, sawing) should not be inhaled but have to be removed with proper ventilation. Follow appropriate health and safety regulations.
 Symptomes during processing: Above 200°C smoke/fumes can lead to irritation of the resperatory system.
 Molten product can cause burns.
 Physical-chemical hazards: Combustible.

4. First aid measures

General precautions: No special precautions required.
 Inhalation: After inhalation of decomposition products: Rest, fresh air, medical care.
 Skin contact: After contact with the molten product immediately cool with cold water.
 Eye contact: After eye contact with the molten polymer, irrigate immediately with cold water and transfer patient to hospital.
 Ingestion: Not applicable.
 Indications for the doctor: After inhalation of decomposition products symptomatic treatment (decontamination, vital functions), no known specific antidote.

5. Fire-fighting measures

Suitable extinguishing media: Water spray, carbon dioxide, foam.
 Unsuitable extinguishing media: None.
 Special hazards of the product, its decomposition products or generated fumes: In case of thermal degradation (e.g. in a fire or due to improper processing) unhealthy gases can be formed. In case of smoldering or incomplete burning the formation of toxic gases is possible. These gases mainly consist of CO or CO₂.

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Protection of firefighters: In case of fire wear positive-pressure self-contained breathing apparatus and protective fire fighting clothing.

Further informations: Fire category A (solid materials).
Residues and contaminated water have to be disposed of according to applicable regulations.

6. Accidental release measures:

Procedure for cleaning/removal: Sweep up, recover if possible or dispose of according to applicable regulations.

7. Handling and storage

Handling: Good ventilation at the processing equipment is required.
Dust generation should be avoided during cutting, grinding, sanding or other mechanical treatment of the product.
Overheating of the material can lead to gaseous decomposition products (see chapter 5).
Avoid inhalation of fumes and smoke.

Storage: Store in a cool, dry place.
Do not expose to direct sunlight.

Fire- and explosion prevention: Adhere to relevant regulations on dust explosion prevention during cutting and other mechanical treatment of the product (VDI-Guideline 3673, 2263 (Germany)).

8. Exposure controls and personal protection

Recommendations:
(for processing) - Styrol / CAS-Nr. 100-42-5 / EG-Nr. 601-026-00-0
MAK-value ; TRGS900 (Germany)

Personal safety equipment:
(to be used during processing) - Breathing protection if product dust is generated:
Wear dust mask.
- Eye protection: When there is a risk of sprays of molten material; facial protection equipment should be worn.
- Other: Created dust and fumes should not be inhaled but should be evacuated.

9. Physical and chemical properties

Appearance: Sheets and foils of varying thickness.

Colour: Varying with colouration.

Odour: little odour

Changes of state:

Softening point	70 °C	DIN 53460
Ignition temperature	> 400 °C	DIN 51794
Density (at 23 °C)	1,1 g/cm ³	DIN 53479
Solubility in water	Unsoluble	
Decomposition temp.	300 °C	

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10. Stability and reactivity

Chemical stability:	Toxic fumes and gases can be generated in case of thermal decomposition (e.g. fire or overheating due to improper processing).
Decomposition products:	No decomposition if used according to specifications.
Dangerous products of decomposition:	Carbon monoxide; monomers
Hazardous reactions:	None known.

11. Toxicological information

Acute toxicology:	Iroplast SB is not classified as a toxic material. No data available, unsoluble in water.
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12. Ecological information

Information on elimination:	No data available, unsoluble in water.
Behaviour in environmental compartment	In general not hazardous in water.
General notes:	At present there are no ecotoxicological assessments.

13. Disposal considerations

If the product can not be conversed or recycled due to contamination, it should be disposed of, according to the relevant local legislation, at approved landfills or by incineration under approved conditions. Waste material code No. 571 29; other cured plastics (Germany).

14. Transport information

This product is not classified as hazardous material according to the European transport regulations. Store the product dry.

15. Regulatory information

EEC classification:	This product does not require classification according to the criteria of the Commission of European Communities: Guideline 67/548/EWG and 88/379/EWG (according to the valid version at issue date of this Material Safety Data Sheet).
National regulations:	Is not submitted to the Gefahrstoffverordnung (hazardous goods legislation) (Germany).
Wassergefährdungsklasse: (hazard to water (Germany))	WGK 0 (Germany); in general not hazardous in water (classification by manufacturer).

16. Other information

Vertical lines in the right hand side indicate changes compared to the previous version.
The information herein is based on the best of our knowledge at the issue date of this Material Safety Data Sheet. No warranty is made about the properties of the product. The recipient of our product(s) is responsible for the respectation of the relevant legislations and regulations.