

Material safety data sheet

1. IDENTIFICATION OF THE SUBSTANCE AND COMPANY

Product Name: Policril

Manufacturer: IRPEN SAU. Gran Via Cortes Catalana, 814. 08013 Barcelona

Telephone: +34 93 244 99 60. FAX: +34 93 231 91 09

2. COMPOSITION/INGREDIENTS

Chemical name of the substance: Polymethyl methacrylate (Cast)

Case nr.: 9011-14-7

Dangerous ingredients: none

3. HAZARDS IDENTIFICATION

The product is not a hazardous material. There can be thermal decomposition into inflammable and irritating products, mainly methyl methacrylate, if temperature reaches more than 250° C. Do not overpass 200 °C when thermoconforming.

4. FIRST AID MEASURES

Inhalation: Remove source of contamination and move victim to fresh air. If trouble persists, contact physician.

Skin Contact: In case of skin contact with the fluid polymer, wash thoroughly with cold water, if irritation persists, seek medical attention.

Eye Contact: Flush eyes with plenty of water. If irritation persists, seek medical attention.

Ingestion: Do not induce vomiting. Contact physician.

5. FIRE FIGHTING MEASURES

Extinguishing Media: Dry Chemical, Carbon Dioxide and Foam.

Specific risk: Over 250 °C, there may be thermal decomposition into flammable and irritating product: methyl methacrylate. Toxic chemicals like CO and CO₂ are produced when combusting.

Fire-Fighting Equipment: Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus with a full face piece operated in pressure demand or positive-pressure mode.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: do not inhale the dust or the vapors.

Environmental protection: none.

Cleaning: clean the area mechanically.

7. HANDLING AND STORAGE

Handling, precautions and recommendations: Where dust is created, proper ventilation should be foreseen. Handle sheets with care, avoiding getting hit. Avoid the creation of dust. Broken edges may produce cuts. Pay attention to static discharges.

Storage and packaging: Store in clean, dry place and out of reach of heat sources. No special packaging is needed.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Technical measures: Following aspects must be foreseen: proper ventilation and vacuuming of dust and vapors that may arise when transforming the sheets.

Control parameters: In case of fire, vapors of methyl methacrylate may be produced due to thermal decomposition.

Exposure limits: Methyl Methacrylate. TWA: 50 ppm=210 mg/m³

Personal protection:

- Breathing protection: Anti-dust mask if necessary
- Eye protection: safety glasses
- Hand protection: gloves

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state (20 °C): solid

Shape: sheets

Color: transparent

Odour: odourless

Decomposition temperature: >250 °C

Flammable temperature: >250 °C

Autoflammable temperature: 430 °C

Density: 1.19 gr/cm³

Water solubility: insoluble

Solubility in other solvents: soluble in chlorate solvents, aromatic solvents, aldehyde and acetones, acetic esters.

10. STABILITY AND REACTIVITY

Hazardous reactions: none

Hazardous Decomposition Products: Avoid temperatures over 250 °C, thermal decomposition produces methyl methacrylate.

11. TOXICOLOGICAL INFORMATION

Correct use: Practically non harmful inhalation. Practically non harmful ingestion. Practically non harmful in touch with skin.

Local effects:

- Inhalation: Thermal decomposition products can irritate respiratory tract
- Skin contact: Manipulation of the hot product can produce burns
- Eye contact: Thermal decomposition products can irritate the eyes

12. ECOLOGICAL INFORMATION

Persistence and degradability: Water insoluble product. Chemically inert. Non biodegradable

13. DISPOSAL CONSIDERATIONS

Product elimination: Waste that cannot be recycled should be eliminated according to local dispositions

14. TRANSPORT INFORMATION

Dangerousness: Not dangerous goods for transport

15. REGULATORY INFORMATION

Dangerous substances: Not classified as dangerous

16. ADDITIONAL INFORMATION

Disclaimer: The information contained in this MSDS is considered accurate as of the version date. However, no warranty is expressed or implied regarding the accuracy of the data. Since the use of this product is not within the control of Irpen Sau, it is the user's obligation to determine the suitability of the product for its intended application and assumes all risk and liability for its safe use.



-- GRUPO IRPEN --

BARCELONA
irpenbarcelona@irpen.es
Tel. 93 244 99 55

MADRID
irpenmadrid@irpen.es
Tel. 91 878 14 45

VALENCIA
irpenvalencia@irpen.es
Tel. 96 150 85 98

MÁLAGA
irpenmalaga@irpen.es
Tel. 95 234 75 08

SEVILLA
irpensevilla@irpen.es
Tel. 95 443 22 01

VIGO
irpenvigo@irpen.es
Tel. 98 637 80 24

PALMA
irpenpalma@irpen.es
Tel. 97 143 25 99

BILBAO
irpenbilbao@irpen.es
Tel. 94 449 72 04

ZARAGOZA
irpenzaragoza@irpen.es
Tel. 97 650 45 71

CANARIAS
irpencanarias@irpen.es
Tel. 92 826 99 92

LYON
irpen.fr@irpen.fr
Tel. 33 472 47 02 11

RENNES
christophebousel@irpen.fr
Tel. 33 299 83 43 17

BIRMINGHAM
sales@irpen.co.uk
Tel. 44 121 556 55 34

MANCHESTER
salesman@irpen.co.uk
Tel. 44 161 343 55 43

902 44 99 55 - www.irpen.es - irpen@irpen.es

Gran Via de les Corts Catalanes 814 - Tel. 93 244 99 55 - Fax. 93 232 09 17 - 08013 Barcelona