

# Ray tech

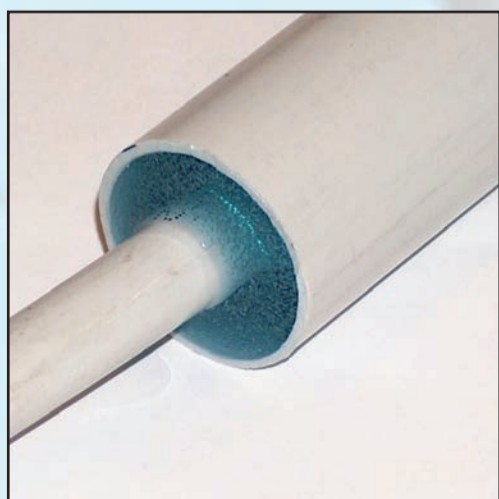
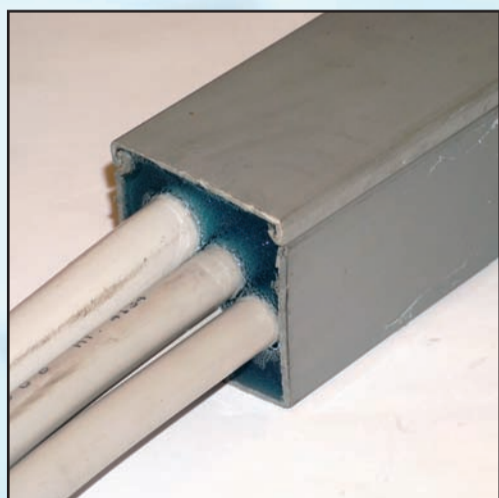
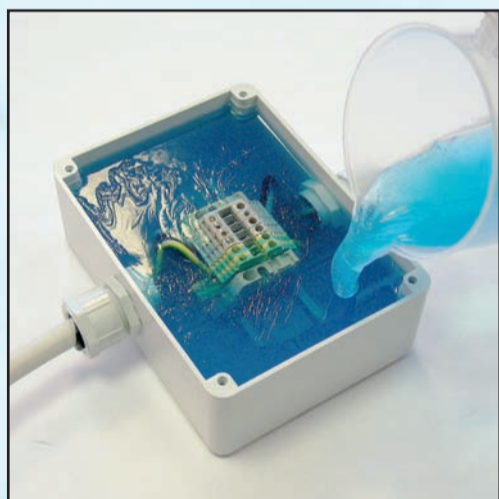
**THE NEW FRONTIER IN THE TECHNOLOGY  
OF INSULATING AND SEALING FLUID  
FROM TODAY ON AVAILABLE ALSO IN BOTTLE**

*New  
Technology*

## MAGIC GEL

*The right quantity for any need!*

**NON TOXIC - SAFE - RE-ENTERABLE - IP68  
NO SHELF LIFE**



*Suitable for installations up to 1kV and 120° C*

### **PACKAGE:**

2 bottles for a total of 1 lt of product, with small basin and mixing spoon.

### **INSTRUCTIONS:**

Pour the same quantity in the range of 1:1 of the 2 components in the small basin, then mix and pour. In about 4 minutes, at room temperature, the product becomes soft, and **within 10 minutes it cross links and is ready for use.**

# RAYTECH - MAGIC GEL FLUID

## MATERIAL SAFETY DATA SHEET

### 1. PRODUCT AND COMPANY IDENTIFICATION

Product identification: **Magic fluid and Magic joint**

Manufacturer identification: Raytech Srl – V.Fermi 11-13-17  
Settimo Milanese (MI) – Italia  
Tel. +39.02.33500147  
Fax +39.02.33500287

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

**Chemical characteristics:** product based on polyorganosiloxanes and inert fillers

**Hazardous components:** no hazardous components

### 3. HAZARD IDENTIFICATION

**Non-hazardous preparation according to EU criteria.**

### 4. FIRST AID MEASURES

Inhalation: no need of first aid.

Skin contact: no need of first aid; wash with soap and water

Eye contact: no need of first aid; rinse with water.

Ingestion: consult a doctor if necessary.

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### 5. FIRE- FIGHTING MEASURES

Extinguishing media: dry powder –CO<sub>2</sub> – foam - water spray

Combustion by-products: silica, CO<sub>2</sub>, traces of carbon components partially not burnt.

Protection for fire fighters: protective fire-fighting clothing and breathing protection.

## **6. ACCIDENTAL RELEASE MEASURES**

Personal protections: safety glasses.  
Collect the product and dispose the collected material according to the regulation. Prevent from dispersion in the ambient. Incinerate contaminated materials at an authorized installation.

## **7. HANDLING AND STORAGE**

Prevent contact with eyes, as with any foreign substance  
No particular recommendations for storage.

## **8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

See item 7.  
No protection required for handling the product; avoid contact with eyes.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance: low elastic modulus cross-linked product  
Colour: clear part A, blue part B; mixed product light blue  
Smell: without smell  
Flammability point: >200°C  
Auto-ignition temperature: >400°C  
Oxidation property: no oxidation according to EU criteria  
Solubility in water: insoluble

## **10. STABILITY AND REACTIVITY**

Stability: stable under normal working conditions.  
Contacts to be avoided: strong oxidizing agents  
Decomposition: vapours, CO and CO<sub>2</sub>.

## **11. TOXICOLOGICAL INFORMATION**

Eye contact: can cause a mild, temporary irritation.  
Skin contact: no adverse effects.  
Inhalation: no adverse effects.  
swallowing: no adverse effects.  
In the case of thermal decomposition vapours irritating for the eyes or respiratory apparatus can be released.

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## **12. ECOLOGICAL INFORMATION**

Use according to the good working practice, preventing dispersion in the ambient.

No adverse effect on bacteria.

Eco-toxicity: no adverse effects on aquatic organisms.

Bioaccumulation: no potential of bioaccumulation.

## **13. DISPOSAL CONSIDERATIONS**

Dispose at an approved site in accordance with local regulations

## **14. TRANSPORT INFORMATION**

Transport on road (ADR/RID): non hazardous

Transport by sea (IMDG): non hazardous

Transport by air (ICAO/IATA): non hazardous

## **15. REGULATORY INFORMATION**

No need of product labelling.

## **16. OTHER INFORMATION**

The data given here are based on current knowledge and experience  
They should not be construed as guaranteeing specific properties.

# Ray tech

**MAGIC FLUID – MAGIC JOINT  
INSULATING AND SEALING FLUID**

## DATA SHEET

*Insulating and sealing polymeric fluid with fast cross linking at room temperature. Specially designed with Health and Safety in mind and to eliminate detrimental effects on the water table in the environment when used in its Cable Jointing kit form. Ideal for the filling of enclosures, boxes, terminal blocks etc.. It is most suitable for anti-corrosion protection, insulating and sealing applications. The product is non-toxic and safe, and has a very high resistance to natural ageing.*

Property	Test method	Unit	Typical value
Appearance			Fluid
Colour			Blue transparent
Viscosity at 23°C	On mixed product		approx 1600 mPa.sec
Gel time			Approximately 5 mins
Hardness	Penetration cone ASTM D 217/C	1/10 mm	Approximately 200
Density		g/cc	Approximately 1
Thermal conductivity	DIN 52612	W/mK	Approximately 0,2
Flammability point	DIN 51376	°C	Greater than 200
Auto-ignition temperature	DIN 51376	°C	Greater than 400
Dielectric strength	DIN 53481	kV/mm	Greater than 20
Volume resistivity		Ω cm	Greater than 2 x 10 exp 15