



SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 (REACH) Article 31, Annex II as amended.

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier:

Product name: WONDER GEL
Synonyms, Trade Names: WONDER GEL
WONDER JOINT
WONDER GEL INVISIBLE
MONOGEL

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Identified uses: Isolation of electrical or electronic material.
Uses advised against: None known.

1.3 Details of the supplier of the safety data sheet:

Manufacturer: RAYTECH S.r.l.
Via Enrico Fermi 11, 13, 17
20019 Settimo Milanese (MI) - ITALIA

Telephone: +39 (02) 33500147
Fax: +39 (02) 33500287
e-mail: info@raytech.it
Supplier: RAYTECH S.r.l.
Via Enrico Fermi 11, 13, 17
I-20019 Settimo Milanese (MI)
tel +39 (02) 33500147
fax: +39 (02) 33500287

1.4 Emergency telephone number: +39 (02) 33500147

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture:

The product has not been classified as hazardous according to the legislation in force.

Hazard summary:

Physical Hazards: No specific recommendations.

Health Hazards:

Inhalation: No specific symptoms noted.

Eye contact: No specific symptoms noted.

Skin Contact: No specific symptoms noted.

Ingestion: No specific symptoms noted.

Other Health Effects: No other information noted.

Environmental hazards: Not regarded as dangerous for the environment.

2.2 Label Elements: The product does not need to be labeled in accordance with EC directives or respective national laws.

2.3 Other hazards: No data available.

SECTION 3: Composition/information on ingredients

3.2 Mixtures:

General information: Mixture of Polyorganosiloxanes.

SECTION 4: First aid measures

General: Get medical attention if symptoms occur. Contaminated clothing to be placed in closed container until disposal or decontamination.

4.1 Description of first aid measures:

Inhalation: Not relevant.

Eye contact: In the event of contact with the eyes, rinse thoroughly with clean water. Continue to rinse for at least 15 minutes.

Skin Contact: Remove contaminated clothing and shoes. Wash with soap and water.

Ingestion: Do not induce vomiting. Rinse mouth thoroughly.

4.2 Most important symptoms and effects, both acute and delayed:

None known.

4.3 Indication of any immediate medical attention and special treatment needed:

Hazards: No specific recommendations.

Treatment: No specific recommendations.

SECTION 5: Firefighting measures

General Fire Hazards: No specific recommendations.

5.1 Extinguishing media:

Suitable extinguishing media: Extinguish with foam, carbon dioxide or dry powder. Water spray.

Unsuitable extinguishing media: None known.

5.2 Special hazards arising from the substance or mixture: Combustible. For further information, refer to Section 10: "Stability and Reactivity".

5.3 Advice for firefighters:

Special fire fighting procedures: Water spray should be used to cool containers.

Special protective equipment for fire-fighters: Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures: Use personal protective equipment. See Section 8 of the MSDS for Personal Protective Equipment.

6.2 Environmental Precautions: Collect spillage. Do not discharge into drains, water courses or onto the ground.

6.3 Methods and material for containment and cleaning up: Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Container must be kept tightly closed. Absorb with sand or other inert absorbent. To clean the floor and all objects contaminated by this material, use an appropriate solvent.(cf. : § 9) Flush area with plenty of water. Incinerate in suitable combustion chamber.

Notification Procedures: Caution: Contaminated surfaces may be slippery. For waste disposal, see section 13 of the MSDS.

SECTION 7: Handling and storage:

7.1 Precautions for safe handling: Use mechanical ventilation in case of handling which causes formation of vapors. Do not mix with Incompatible materials. For further information, refer to Section 10: "Stability and Reactivity". Read and follow manufacturer's recommendations.

7.2 Conditions for safe storage, including any incompatibilities: No special storage precautions noted. Material is stable under normal conditions. Avoid contact with oxidizing agents. Suitable containers: polyethylene. Plastic lined steel drum.

7.3 Specific end use(s): No specific recommendations.

SECTION 8: Exposure controls/personal protection

8.1 Control Parameters:

Occupational Exposure Limits:

None of the components have assigned exposure limits.

8.2 Exposure controls:

Appropriate engineering controls: No special precautions.

Individual protection measures, such as personal protective equipment

General information: No specific precautions.

Eye/face protection: Safety Glasses

Skin protection:

Hand Protection: Use protective gloves made of: Nitrile. Polyvinyl chloride (PVC). Rubber or plastic.

Other: No skin protection is ordinarily required under normal conditions of use. In accordance with good industrial hygiene practices, precautions should be taken to avoid skin contact.

Respiratory Protection: No specific precautions.
Hygiene measures: Provide eyewash station and safety shower.

Environmental Controls: No data available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties:

Appearance:

Physical State: Liquid
Form: Viscous.
Color: WONDER GEL & WONDER FLUID: green
WONDER GEL INVISIBLE: colourless

Odor: Odorless
Odor Threshold: No data available.
pH: Not applicable
Freezing point: No data available.
Boiling Point: No data available.
Flash Point: > 200 °C (Closed cup according to method ASTM D-56.)
Evaporation Rate: No data available.
Flammability (solid, gas): No data available.
Flammability Limit - Upper (%)–: No data available.
Flammability Limit - Lower (%)–: No data available.
Vapor pressure: < 0,1 hPa (20 °C)
Vapor density (air=1): No data available.
Relative density: 0,96 (20 °C)
Solubility(ies):
Solubility in Water: Practically Insoluble
Solubility (other):
Diethylether.: Miscible (in all proportions).
Chlorinated solvents.: Miscible (in all proportions).
Aromatic hydrocarbons.: Miscible (in all proportions).
Aliphatic hydrocarbons.: Miscible (in all proportions).
Acetone.: Very slightly soluble.
Ethanol.: Very slightly soluble.
Partition coefficient (n-octanol/water): No data available.
Autoignition Temperature: > 400 °C
Decomposition Temperature: > 200 °C
Viscosity: 700 mm2/s (20 °C)
Explosive properties: No data available.
Oxidizing properties: According to the data on the components Not considered as oxidizing. (evaluation by structure-activity relationship)

SECTION 10: Stability and reactivity

10.1 Reactivity: Not relevant.
10.2 Chemical Stability: Material is stable under normal conditions.
10.3 Possibility of Hazardous Reactions: This product may generate hydrogen gas.
10.4 Conditions to Avoid: No other information noted.
10.5 Incompatible Materials: Strong oxidizing agents.

10.6 Hazardous Decomposition Products: Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors. Amorphous silica.

SECTION 11: Toxicological information

Information on likely routes of exposure

Inhalation: No effects expected (assessment based on ingredients).
Ingestion: No effects expected (assessment based on ingredients).
Skin Contact: No effects expected (assessment based on ingredients).
Eye contact: No effects expected (assessment based on ingredients).

11.1 Information on toxicological effects:

Tossicità acuta:

Oral:

Product: No effects expected (assessment based on ingredients).

Dermal:

Product: No effects expected (assessment based on ingredients).

Inhalation:

Product: No effects expected (assessment based on ingredients).

Repeated Dose Toxicity:

Product: No effects expected (assessment based on ingredients).

Skin Corrosion/Irritation:

Product: No effects expected (assessment based on ingredients).

Serious Eye Damage/Eye Irritation:

Product: No effects expected (assessment based on ingredients).

Respiratory or Skin Sensitization:

Product: No effects expected (assessment based on ingredients).

Germ Cell Mutagenicity:

In vitro:

Product: No effects expected (assessment based on ingredients).

In vivo:

Product: No effects expected (assessment based on ingredients).

Carcinogenicity:

Product: No effects expected (assessment based on ingredients).

Reproductive Toxicity:

Product: No effects expected (assessment based on ingredients).

Reproductive Toxicity (Fertility):

Product: No effects expected (assessment based on ingredients).

Developmental Toxicity (Teratogenicity):

Product: No effects expected (assessment based on ingredients).

Specific Target Organ Toxicity - Single Exposure:

Product: No effects expected (assessment based on ingredients).

Specific Target Organ Toxicity - Repeated Exposure:

Product:

Aspiration Hazard:

Product:

Other Adverse Effects: None known.

SECTION 12: Ecological information

12.1 Toxicity:

Acute toxicity:

Fish:

Product: No effects expected (assessment based on ingredients).

Aquatic Invertebrates:

Product: No effects expected (assessment based on ingredients).

Chronic Toxicity:

Fish:

Product: No effects expected (assessment based on ingredients).

Aquatic Invertebrates:

Product: No effects expected (assessment based on ingredients).

Toxicity to Aquatic Plants:

Product: No effects expected (assessment based on ingredients).

12.2 Persistence and Degradability:

Biodegradation:

Product: Not applicable

BOD/COD Ratio:

Product: No data available.

12.3 Bioaccumulative Potential:

Product: No data available.

12.4 Mobility in Soil: No data available.
12.5 Results of PBT and vPvB assessment: None Reported
12.6 Other Adverse Effects: None known.

SECTION 13: Disposal considerations

13.1 Waste treatment methods:

General information: The user's attention is drawn to the possible existence of local regulations regarding disposal.

Disposal methods: Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. Incinerate in suitable combustion chamber.
 Contaminated packages should be as empty as possible. Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. Recycle following cleaning or dispose of at an authorised site.

European Waste Codes: Data available upon request.

SECTION 14: Transport information

This material is not subject to transport regulations.

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

National Regulations:

15.2 Chemical safety assessment: No data available.

SECTION 16: Other information

Revision Information: Not relevant.

Key abbreviations or acronyms used: No data available.

Key literature references and sources for data: No data available.

Wording of the R-phrases and H-statements in section 2 and 3: None

Training information: No data available.

Inventory Status

Australia AICS:	On or in compliance with the inventory
Canada DSL Inventory List:	On or in compliance with the inventory
EU EINECS List:	On or in compliance with the inventory
Japan (ENCS) List:	Not in compliance with the inventory.
China Inv. Existing Chemical Substances:	On or in compliance with the inventory
Korea Existing Chemicals Inv. (KECI):	On or in compliance with the inventory
Philippines PICCS:	On or in compliance with the inventory
US TSCA Inventory:	On or in compliance with the inventory
New Zealand Inventory of Chemicals:	On or in compliance with the inventory

Disclaimer:

The information given is based on data available for the material, the components of the material, and similar materials. The information is believed to be correct. It is given in good faith. This information should be used to make an independent determination of the methods to safeguard workers and the environment.