



SAFETY DATA SHEET

(Under Directiva 91/155/CEE)



Trade Name: **RAL 9016**

Rev.: **1** Date of review: 26/06/2020

1. IDENTIFICATION OF THE PRODUCT AND THE MANUFACTURER

Product Name: RAL 9016

Company name: Mediterránea de Pinturas Plásticas.

Address: C/ Padre Eduardo Jover, 37. Albalat dels Sorells (Valencia)

Telephone: 961.49.58.22

Fax: 961.48.00.02

Emergency phone of Instituto Nacional de Toxicología 915.62.04.20

2. COMPOSITION/ COMPONENTS INFORMATION

This product is a preparation. The product does not contain substances classified as dangerous or health risk at concentrations that should be taken into account in accordance with the EEC directive. The main components of the product are: (water, pigments, fillers, emulsion).

COMPONENT	Nº CAS	NºEINECS
Water	7732-18-5	2317912
Dioxide of titanium (TiO ₂)	13463-67-7	236-675-5
Calcium carbonate (CaCO ₃)	1317-65-3	207-439
Talcum powder (Mg ₃ Si ₄ O ₁₀ (OH) ₂)	14807-96-9	238-877-9
Texanol (C ₁₂ H ₂₄ O ₃)	25265-77-4	-
Styrene acrylic copolymer		
in aqueous emulsion	Not dangerous	Not required

Other components: water and stabilizers-additives (dispersant, preserving, anti-foaming, thickener, alkali, coalescing) are found in formula in less proportion of 1 %.

3. HAZARDS IDENTIFICATION:

According to the current state of our knowledge, the product manipulated correctly does not have dangerous effects on a human being. Observe the usual precautions in the handling of chemicals. Specific hazards: product not classified as "hazardous preparation" according to criteria of the CE. Chemical and physical hazards: No particular risk of fire or explosion.

Toxicological Hazards –symptoms:-

Inhalation: - Occasionally the vapors or "fogs" of the product can cause respiratory irritation, dizziness or headache in very high concentrations.

Eyes: Slight temporary irritation.

Skin: Non-corrosive but can produce a slight irritation. This product can be adhered to the skin. Repeated exposure may cause skin dryness.

Ingestion: No known.

General informations: Do not to eat, drink, or smoke while manipulating the product.

4. FIRST AID

Ingestion:

If the affected person is not unconscious, rinse the mouth with water and drink maximum 500 ml of water without induce vomiting (only first aid staff can do it). In case of spontaneous vomiting let the vomit flow freely to avoid the risk of suffocation. Require urgent medical assistance. Keep the affected at rest (immobile and warm).

Inhalation:

Move the affected people outdoors, keeping them immobile and warm, until recovery. Provide medical care in case of important exposure or persistence of the symptoms.

Contact with skin:

Remove contaminated clothing. Clean with absorbent paper or cloth towels. Wash skin with soap and water. Consult a physician if irritation persists.

Contact with eyes:

Wash the eyes immediately with water for 15 minutes keeping the eyelids separated. Remove contact lenses. In case of prolonged irritation, consult an ophthalmologist

General measures:

In case of doubt or when the symptoms or inconveniences persist, look for medical care.



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5. FIRE FIGHTING MEASURES

Extinction Measures:

For big fires apply alcohol resistant foams or universal-type.

For small fires use pulverized water, CO₂ or dry chemical powder (especially indicated for a fire related to electrical equipment, because of its property of non conductivity).

Unsuitable extinguishing Measures:

It is not appropriate to apply the stream of water directly since it can increase the intensity of the fire and disperse the product.

Special Measures:

Cool with pulverized water the containers exposed to heat (in the event of a fire next to them).

The fire will produce a dense black smoke that contains toxic gases, so that it will be necessary to avoid exposure to fumes and vapors from the heating or burning the product; therefore it is advisable to place yourself with your back to the wind.

Do not allow contaminated water (or products of extinction) to filter to the drainage, soil or surface waters.

Fire Protection Equipment:

Use appropriate protective equipment (fire resistant) and if necessary, autonomous respiration equipment.

Unusual fire or Explosion Hazards

Thermal decomposition or combustion can release toxic substances and hazardous to health (CO, CO₂, smoke and others)

The product can splatter above 100 ° C.

Possible increase in pressure of the hermetically sealed containers.

Not inflammable, but may burn if exposed to a continuous source of heat.

6. MEASURES IN CASE OF ACCIDENTAL SPILLAGE

Personal Precaution:

Do not act without adequate protective equipment to avoid contact with skin, eyes and clothing:

- + Gloves and waterproof boots.
- + Protection/safety glasses.
- + Facial mask

Avoid prolonged contact with the product and contaminated clothing

Stop the spill. Put the damaged packaging in a vertical position to stop the spillage.

Ensure adequate ventilation. Avoid breathing vapors

The floor can be slippery, be careful not to fall down.

Use the security measures of paragraphs 7 and 8.

Environment Precaution:

Avoid spillage into sewers and water pipes, absorbing the spill with inert material.

In case of important dispersion, canalise the product with mechanical barriers to contain the spillage.

Spills or discharges unauthorized in waterways shall be reported immediately to the competent authority.

Decontamination and cleanup:

Recovery: Try to recover the maximum product quantity avoiding its dispersion with mechanical barriers and depositing it in a suitable container (provided with closing) for its later recycling, or elimination in accordance with the local regulation.

Neutralization: Clean the not recoverable product using an absorbent, inert and not combustible material (like for example dry soil, sand, ashes, vermiculita, diatomeas ground...), avoiding its dispersion with mechanical barriers and depositing them in containers adapted for its later elimination.

Cleaning / decontamination: wash the contaminated area with plenty of water and detergent

Avoid the use of solvents.

Dry residue may be cleaned to the high-pressure water

Elimination: Elimination of residues as the local regulation (see paragraph 13).

Elimination of solid matters in an authorized installation (authorized dump).



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7. HANDLING AND STORAGE

HANDLING:

General Precautions

- Respect the general precautions for chemical products.
- Use appropriate protective equipment to avoid contact with eyes and skin.
- Wash thoroughly after handling
- Use with adequate ventilation. Avoid inhalation of vapor and the fogs that occur during application.
- No eating, drinking or smoking in the workplace.
- For personal protection see section 8

Technical measures

- Do not use tools that may produce sparks. Take precautions against electrostatic discharge.
- Respect the general rules of safety and industrial hygiene.
- Do not mix with incompatible materials (section 10)
- Respect the conditions of employment.
- Clean the containers, equipment and dirty tools immediately after being used.
- Never use pressure to empty the containers, containers are not resistant to the pressure.

Instructions

- The material is slippery
- A (mechanical) general room ventilation should be sufficient.

STORAGE:

Technical measures

- Once opened the packings, they have to carefully close and place them vertically to avoid spills.
- Store according to local regulations.

Storage conditions

- It is stable for at least 6 months under normal conditions.

To guarantee the quality and the properties of the product:

- Maintain the packings tightly closed in dry, fresh and drafty place.
- Avoid extreme temperatures (store between 5 and 35 °C).
- Avoid solar exposures and heat sources.
- Avoid prolonged storage of diluted product and/or badly washed or badly closed due to the possibility of development of a bacterial contamination.

Incompatible materials

- Products that react with the water.
- Keep away from oxidizing agents and strongly acidic or alkaline materials.

Materials for packing

- Water-resistant materials (steel packings with interior revetment, plastic or polyethylene containers).
- Contraindicated: Non-water-resistant materials.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Workplace Hygiene Practices

- Respect general rules of safety and industrial hygiene
- Observe the usual precautions in the handling of chemical products.
- Don't drink, nor eat or smoke during handling.
- Change clothing in case of contamination.
- This prepared is classified as non-hazardous. However, usual precautions should be taken to avoid contact with the skin, eyes and respiratory tract.
- Wash hands before breaks and immediately after handling the product.
- The absence of hygienic measurements can cause occasionally the appearance of dermatitis or cutaneous eruptions.
- Ensure adequate ventilation, especially in the case of closed premises. In the majority of cases it is sufficient that there is a good natural ventilation, and if not as we will provide ventilation by extraction. In the case that concentrations would not be maintained particles and vapors of solvents below the limit of exposure during the work, wear proper respiratory equipment.



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Personal Safety Equipment

Breathing Protection

Normally it is not necessary. Avoid to breathe steams, especially to high temperatures or in case of presence of "fogs" to avoid its inhalation.

In case of insufficient ventilation use suitable equipment of ventilation.

When you exceed the limit of exposure use respiratory equipment suitable and approved.

Hands and Skin Protection

The use of gloves of rubber (waterproof) and appropriate protective clothing is suitable for prolonged or repeated handling.

With preventive character the presence of emergency showers is suitable.

Eye Protection

Use safety goggles that they are validated against the splashing of liquids.

With preventive character the presence of eyewash is suitable in the work areas.

9. PHYSICAL AND CHEMICAL PROPERTIES

Aspect:	Viscous liquid.
Smell:	Characterisitic.
Flash point:	Not Applicable.
Specific Weight:	1.527 ± 0.05 g/cc a 25°C
pH:	7 - 10.
% solids:	Aprox. 64%
Thinness:	6,0 ± 0.5 Hg
Viscosity Krebs:	112UK ± 10UK a 25°C.
Solubility in water:	Miscible (in any proportion).

10. STABILITY AND REACTIVITY

Stability:

The product is stable under normal conditions of packaging and storage.

The causes of instability are the low and high temperatures and heat sources.

Dangerous reactions:

Conditions to avoid: Exposure to flames. Electric Shock.

Exposure to high temperatures are causes of instability and can be produced by the detachment of toxic gases

Materials to avoid: Products that react with the water.

With strong acids, strong bases and oxidizing agents would be exothermic reactions.

Decomposition Products:

By combustion or thermal decomposition releases / forms oxides of carbon (CO and CO₂) and other gases or toxic vapors (as basicantes). CO is very toxic by inhalation; CO₂ in sufficient concentrations, can behave as an asphyxiant gas. The overexposure of the combustion products can lead to irritation of the respiratory tract.

11. TOXICOLOGY

Oral and dermal toxicity: There is no specific information, but for analogy, the product does not consider that I presented particular risks for INGESTION. The repeated or long contact can result in dermatitis and to that is absorbed through the skin.

Exhibition to the steams / inhalations: No data available.

Local effects (skin and eyes): In case of repeated or prolonged contact may cause slight irritation of the skin. Splashes cause light and transient irritation of mucous membranes eye. There are no other available toxicological information.

12. ENVIRONMENTAL INFORMATION

Risks to the environment (ecotoxicity)

It prevents the correct lighting of aquatic ecosystems.

It can have negative effects on the aquatic life. Therefore it is necessary to avoid the soil pollution, sewerages and surface waters.

In large amounts can cause long-term negative effects to the environment as per contact destroys the life of the lower body, and makes it difficult for the superiors.

There is no more data available.



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13. DISPOSAL CONSIDERATIONS

Abide by the regulations, must be treated in special form of agreement with the local legislation.

Residues of the product::

Prohibitions: Do not directly pull the waste down the drain. It must be subjected to a physical-chemical treatment before it was removed.

Destruction / elimination: They must be destroyed in authorized centers, preferably by recognized managing companies in accordance with the current residues regulations.

For small quantities it is recommended to dry the product and to incinerate in an authorized(expert) center unless the legislation indicates another different thing.

Aqueous effluents can be treated by ultrafiltration. Separate and eliminate the solid particles in an authorized center.

The residues must not be spilled to the sewerage and water conductions.

Dirty packings:

Take into consideration recycling and if it is not possible to dispose of them complying with the regulations

Decontamination/cleaning: Clean with water

Treat the wash waters as it has been indicated previously in the residues paragraph

Destruction / elimination: The packing must be treated according to the current legislation.

Other information:

The contaminated residues can have a greenish color and rot

14. TRANSPORT INFORMATION

This product is not classified as hazardous for transport.

Terrestrial routes:

Train / road (RID / ADR): It has not been included within the list.

This product is not subject to ADR regulations

Seaway (OMI / IMDG): This product is not subject to IMO/MARPOL regulations

Airway (OACI / IATA): This product is not subject to ICAO regulations.

It is not classified according to European regulations and the directive community 94/55/EC on the transport of harmful or dangerous goods

15. REGULATORY INFORMATION

- Classification of the CE

There is no regulatory information (not dangerous) according to the Board 67/548/CE, (88/379/CE) and (93/112/CEE).

- Symbols and Pictographs: Not applicable.
Phrases R: Not applicable.
Phrases R: Not applicable.

Therefore does not require labelling in accordance with European Directives.

National Regulation:

In accordance with the regulation of dangerous preparations R. D. 1078/93, the prepared is classified as non-hazardous.

LISTS OF CHEMICALS

The components of this product can appear in the lists of EINECS (European Inventory of Existing Chemical Substances), as it is reflected in the section 2.

- OTHER DISPOSITIONS, LIMITATIONS AND PROHIBITIVE DECREES:

EU limit value for this product (**cat A/c**): 75 g/l (2007) – 40 g/l (2010)

Max content COV: **39** g/l.

16. OTHER INFORMATION

The information contained in this safety data sheet has been done according to our latest knowledge. This has been obtained from the manufacturers of raw materials safety data sheets.

This safety data sheet complements the technical data for the use of our product, but does not replace it. The information on this data sheet in any case represents guarantee of technical specifications and the recommendations of the product, which is described in the relevant data sheet. We recommend to the users to realize the corresponding tests before the use of the product in applications different from those for which they have been developed, because they can cause problems. However, this information is not absolute guarantee of a suitable use of the product since the conditions of use are beyond our control. As a result, corresponds to the user, under his sole responsibility, decide whether this information is satisfactory, complete and appropriate for a particular use. Then, it is a responsibility of the receiver of the product to determine the conditions of sure use, bearing in mind all the applicable legal dispositions.

Users must comply with the legal provisions and regulations in force, and in particular those relating to safety and hygiene, storage and transport of goods.

Any chemical can be handled in sure conditions, if its physical and chemical properties are known and there are used the security measures and suitable safety clothing

The correct use of the product must not offer any danger for the health and the safety.