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1. IDENTIFICATION**Product:** ORANGE SEALANT BA RAL 2012**Code:** 052LJ470**Last revision:** 11/07/2025**Recommended Use:** Water-based paint for industrial use.**Company:** REALFIX Industry and Trade of Paints and Varnishes Ltd.**Address:** Rua Ana Paula Guarda, 165, Mauá**ZIP Code** 83413-570 Colombo – PR**Phone/Fax:** +55 41 3661-1850**Emergency Phone:** +55 41 3661-1861**Email:** vendas@realfix.com.br**2. HAZARD IDENTIFICATION****Chemical Product Hazard Classification**

Acute Toxicity – Oral – Category 5

Skin Corrosion/Irritation – Category 2

Serious Eye Damage/Eye Irritation – Category 2A

Specific Target Organ Toxicity – Single Exposure – Category 3

Aspiration Hazard – Category 1

Hazardous to the Aquatic Environment - Acute – Category 1

Hazardous to the Aquatic Environment - Chronic – Category 1

Carcinogenicity – Category 1B

Reproductive Toxicity – Category 1A

Classification System Used

ABNT-NBR 14725-2023 Standard

Globally Harmonized System for the Classification and Labeling of Chemicals, UN.

Appropriate Elements for Labeling - Hazard Pictograms**Warning Word**

Danger.

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Danger Phrases

Flammable Liquids and Vapors.
May be harmful if swallowed.
Causes skin irritation.
Causes serious eye irritation.
May cause cancer.
May cause drowsiness or dizziness.
May affect fertility or the unborn child
May cause respiratory irritation.
May be fatal if swallowed and enters airways.
Very toxic to aquatic life with long-lasting effects.

Precautionary Phrases**Prevention**

Obtain specific instructions before use.
Do not handle the product before reading and understanding all safety precautions.
Keep away from heat, sparks, open flames, and hot surfaces.
Do not smoke. Wash carefully after handling.
Wear protective gloves, protective clothing, eye protection, and face protection.
Avoid inhaling dust, fumes, gases, mists, vapors, and aerosol
Avoid release into the environment.

Emergencies

If you feel unwell, contact a poison control center or doctor.
In case of contact with eyes, rinse cautiously for several minutes.
If wearing contact lenses, remove them if easy to do. Continue rinsing.
Do not induce vomiting.
In case of skin (or hair) contact:
Immediately remove contaminated clothing, rinse contaminated skin, and shower.
If exposed or suspected of exposure, get medical advice/attention.
In case of inhalation:
Remove person to fresh air and keep comfortable for breathing.
If swallowed: Immediately contact a poison control center.

Storage

Store in a well-ventilated place and keep in a cool place.
Store locked up.
Store in a well-ventilated place and keep the container tightly closed.

Disposal

Dispose of contents and container in accordance with applicable local regulations.

3. COMPOSITION AND INFORMATION ON INGREDIENTS

Product Type: Mixture

Ingredients or Impurities that Contribute to the Hazard

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4. FIRST AID MEASURES**Inhalation**

Remove to fresh air, keep the patient warm and at rest. If breathing is irregular or stops, administer artificial respiration. Never give anything by mouth to an unconscious person; if the victim is unconscious, place them in the recovery position and call a doctor.

Skin Contact

Remove contaminated clothing. Wash the affected area thoroughly with soap and water or use an appropriate skin wash. **DO NOT** use organic solvents. Seek immediate medical attention.

Eye Contact

Wash with clean running water for at least 15 minutes with the eyelid inverted, checking eye movement in all directions. Seek an ophthalmologist.

Ingestion

Seek medical attention, providing detailed information about the product's composition. **Do not induce vomiting.**

Description of the Main Symptoms and Effects

Throat irritation may occur with prolonged exposure to the fumes.

Notes for the Doctor

The need for gastric emptying, especially in children, should be considered in cases of large quantities or when solvents are combined with other toxic products, such as heavy metals. Gastric lavage should be preceded by intubation. Gastric decontamination is indicated in cases of ingestion of dried paint.

5. FIRE FIGHTING MEASURES**Means of Extinction**

Dry chemical powder, foam, CO₂; use water only in mist form and primarily for cooling purposes.

Specific Hazards

Water mist can be used to cool containers in case of fire. Keep containers closed when not in use.

Firefighting Team Protection Measures

The area should be evacuated and the fire fought from a distance, using appropriate protective equipment and clothing, cooling containers that are on fire and moving away those that have not been affected.

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6. CONTROL MEASURES FOR SPILLS OR LEAKS**Personal Precautions**

- **Personnel not part of the emergency services:** notify the security team.
- **Personnel who are part of the emergency service:** use personal protective equipment, isolate and keep the area ventilated, prohibit access to uninvolved persons, remove any source of ignition.

Environmental Precautions

In case of spillage of significant quantities of the product, remove the spilled liquid with inert absorbent material (sand, vermiculite, etc.). Prevent the product from coming into contact with soil, rivers, and lakes.

Methods and Materials for Containment and Cleanup

Remove the pooled product and transfer it to an emergency tank. Store the product in a properly identified (labeled) and sealed emergency container for later recycling or disposal.

7. HANDLING AND STORAGE**Handling****Prevention of Worker Exposure**

Handle the product in a well-ventilated area and with appropriate personal protective equipment. Do not throw or drop containers containing the product. Close the container tightly when not in use. After using the product, wash your hands thoroughly before eating, smoking, or using the toilet.

Guidelines for Safe Handling

Avoid contact with skin, mucous membranes, and eyes.
Handle in a cool, well-ventilated area.
Do not reuse the packaging.
Do not smoke, eat, or drink in the product handling area.

Storage**Appropriate Technical Measures**

Keep containers tightly closed and protected from intense heat. Do not store near food. Keep out of reach of children.

Storage Conditions

Suitable storage conditions are covered, cool, dry, and well-ventilated areas. Avoid drains or other forms of runoff in the storage area that could carry any spilled product into sewers and/or waterways.
Medidas Técnicas Apropriadas

8. EXPOSURE CONTROL AND PERSONAL PROTECTION**Control Parameters**

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Occupational Exposure Limit**Engineering Control Measures**

Provide adequate ventilation. When reasonably feasible, this should be achieved through local exhaust ventilation. If this is not sufficient to keep particle and/or solvent vapor concentrations below occupational exposure limits, respiratory protection should be used.

Personal Protection Measures**Eye/Face Protection**

Wear appropriate safety glasses.

Skin/Body Protection

Cotton or cotton/synthetic coveralls or dust coats are usually recommended; contact of the product with the skin should be avoided.

Hand Protection

When hand exposure occurs, use appropriate gloves. Protective creams can help protect exposed areas of skin, but are not substitutes for personal protective equipment.

Respiratory Protection

Select the appropriate respirator with a chemical filter for protection against organic vapors, according to working conditions and contaminant concentrations, to ensure the oxygen necessary for worker protection. When using respiratory protection, it is advisable to maintain a formal respiratory protection program, including pre-employment and periodic medical examinations, individual physical tests, environmental monitoring, respirator maintenance, and an appropriate place to store the equipment.

Thermal Hazards

Not available

Special Care

Installation of an appropriate exhaust system to prevent the emission and subsequent inhalation of solvent vapors.

Work areas must be adequately equipped with safety devices (emergency showers and eyewash stations).

Contaminated clothing must be separated from regular clothing and washed before being used again.

Keep personal protective equipment clean, well-maintained, and properly sanitized.

9. PHYSICAL AND CHEMICAL PROPERTIES

- **Physical State:** Fluid Liquid

- **Color:** Orange

- **Odor:** Characteristic

- **pH:** Not Available

- **Melting Point:** Not Available

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- **Boiling Point:** Not Available
- **Boiling Range:** Not Available
- **Flash Point:** Not Available
- **Evaporation Rate:** Not Available
- **Flammability:** Not Available
- **Lower Flammability Limit:** Not Available
- **Upper Flammability Limit:** Not Available
- **Vapor Pressure:** Not Available
- **Vapor Density:** Not Available
- **Relative Density:** 0.936 g/cm³ (25 °C)
- **n-octanol/water Partition Coefficient:** Not Available
- **Auto-ignition Temperature:** Not Available
- **Decomposition Temperature:** Not Available
- **Viscosity:** Not Available

10. STABILITY AND REACTIVITY

Reactivity and Stability

The product is stable if handled and stored under the appropriate and indicated conditions.

Dangerous Reactions

None when the product is processed, applied, and stored correctly.

Conditions to be Avoided

Contact with ignition sources and heat, high temperatures, and contact with oxidizing agents.

Incompatible Materials

Strong acids and bases, oxidizing materials.

Hazardous Decomposition Products

Decomposition through thermal oxidation can produce carbon monoxide, carbon dioxide, and nitrogen oxides.

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11. TOXICOLOGICAL INFORMATION**Skin Corrosion or Irritation**

Acute: moderate irritation.

Chronic: prolonged contact may cause dermatitis with dry skin.

Serious eye injury or eye irritation.

Acute: Splashing accidents may result in severe eye irritation.

Chronic: There are no reports available on toxicity caused by the product.

Respiratory or Skin Sensitization

Acute: May cause skin sensitization, headache, nausea, dizziness, drowsiness.

Chronic: Liver damage reported in xylene abusers.

Mutagenicity in Germ Cells

Not available

Carcinogenicity

Unclassified.

Reproductive Toxicity

The product is not expected to be toxic to reproduction.

Specific Target Organ Toxicity – Single Exposure

It may cause respiratory irritation.

Specific Target Organ Toxicity – Repeated Exposure

It can cause liver and kidney disorders.

Aspiration Hazard

Aspiration of the product into the lungs can cause chemical pneumonia or pulmonary edema, both upon ingestion and vomiting.

12. ECOLOGICAL INFORMATION**Ecotoxicity**

Harmful to fauna and flora.

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Persistence or Degradability

Non-degradable product.

Bioaccumulative Potential

Moderate bioaccumulation potential is expected for aquatic organisms.

Mobility on the Ground

It has moderate mobility.

13. CONSIDERATIONS ON FINAL DESTINATION**Recommended Methods for Final Disposal**

This product can be co-processed or incinerated in accordance with current local legislation. Waste that is no longer used must be disposed of in accordance with current local legislation. The packaging should not be reused and must be disposed of properly, in accordance with current local legislation.

14. TRANSPORT INFORMATION**Danger to the Environment**

As per item 12.

15. REGULATORY INFORMATION**Specific Regulations for Safety, Health and Environment**

- Decree 2,657, of July 3, 1998, concerning Safety in the Use of Chemical Products at Work.
- Ordinance No. 3214 of the Ministry of Labor and its Regulatory Standard N-15, Annexes 11 and 12 (tolerance limits).
- Regulatory Standard NR 7 - Occupational Health Medical Control Program (biological indicators).
- Regulatory Standard No. 26, of the Ministry of Labor.
- Regulatory Standard No. 20, of the Ministry of Labor.
- Law No. 8078, of September 11, 1990 (Consumer Protection Code).
- Resolution No. 420, of February 12, 2004, of the National Land Transport Agency – ANTT (Regulation of the Land Transport of Hazardous Products).
- IMDG (International Maritime Dangerous Goods) Code, 1998 (Classification of Dangerous Goods for Maritime Transport).

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- IATA (International Aerial Transport Association) Dangerous Goods Regulations, 41st ed. (Classification of dangerous goods for air transport).
- Risk and safety information as written on the label: Product harmful to health.

16. OTHER INFORMATION

Important Information

This product should be used by trained professionals over eighteen years of age. The information contained in this Safety Data Sheet is based on literature research and specific legislation. For this reason, the accuracy of the data contained herein is not guaranteed expressly or implicitly by the products. The consumer of this product is responsible for observing existing laws and regulations.

Bibliographic References

- ABNT NBR 14725-2
- ABNT NBR 14725-3
- ABNT NBR 14725-4
- NR-26

Subtitles

- CAS: Chemical Abstracts Service
- LC50 - Lethal concentration with 50% mortality
- LD50 - Lethal dose with 50% mortality
- ND: Not Available
- TLV: Threshold Limit Value
- TWA: Time Weighted Average
- STEL: Short Term Exposure Limit
- CF4: Krebs viscosity unit