

Safety Data Sheet



1. Identification

Product Information: 11711900

Family: 518

Product Name: FONDO LIJABLE TRANSPARENTE

Recommended Use: Painting / Coating

Supplied by/Manufacturer: SUR QUIMICA S.A.
Calle 38, contiguo al Cementerio La Uruca.
San José, Costa Rica, Centroamérica
Tel Información: (506) 2211-3700,
Fax: (506) 2256-0690

Emergency Telephone: CHEMTREC: 1-800-424-9300 (within the U.S. & Canada)
INTERNATIONAL: (506) 2211-3911

Safety Data Sheet Coordinator: sds@gruposur.com

2. Hazards Identification

GHS Classification

Flam. Liq. 1, Repr. 1A, Skin Irrit. 2

Symbol(s) of Product



Signal Word

Danger

GHS HAZARD STATEMENTS

| | | |
|------------------------------------|------|---|
| Flammable Liquid, category 1 | H224 | Extremely flammable liquid and vapour. |
| Skin Irritation, category 2 | H315 | Causes skin irritation. |
| Reproductive Toxicity, category 1A | H360 | May damage fertility or the unborn child. |

GHS LABEL PRECAUTIONARY STATEMENTS

| | |
|----------------|--|
| P201 | Obtain special instructions before use. |
| P210 | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| P233 | Keep container tightly closed. |
| P264 | Wash skin thoroughly after handling. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P302+P352 | IF ON SKIN: Wash with plenty of soap and water. |
| P303+P361+P353 | IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. |
| P308+P313 | IF exposed or concerned: Get medical advice/attention. |
| P321 | Specific treatment (see FIRST AIDS on this sheet). |

| | |
|-----------|---|
| P332+P313 | If skin irritation occurs: Get medical advice/attention. |
| P362+P364 | Take off contaminated clothing and wash it before reuse. |
| P370+P378 | In case of fire: Use materials indicated in Section 5 to extinguish. |
| P403+P235 | Store in a well-ventilated place. Keep cool. |
| P405 | Store locked up. |
| P501 | Remove the contents / container according to the General Regulation for the Classification and Management of Hazardous Waste No. 41527-S-MINAE (Applies to Costa Rica). Dispose of contents/container in accordance with local/regional/national/international regulations. |

GHS ADDITIONAL INFORMATION

H371 Contains one or more Category 2 Specific Organ Toxicants at greater than 1.0%. A Safety Data Sheet shall be available for the mixture upon request.

GHS SDS PRECAUTIONARY STATEMENTS

| | |
|------|--|
| P240 | Ground and bond container and receiving equipment. |
| P241 | Use explosion-proof [electrical/ventilating/lighting/...] equipment. |
| P242 | Use non-sparking tools. |
| P243 | Take action to prevent static discharges. |

3. Composition/Information on Ingredients

| <u>Chemical Name</u> | <u>CAS-No.</u> | <u>Wt. %</u> | <u>GHS Symbols</u> | <u>GHS Statements</u> |
|---------------------------------|----------------|--------------|--------------------|----------------------------------|
| Xilene | 1330-20-7 | 20-30 | GHS07 | H315 |
| Toluene | 108-88-3 | 2.5-10 | GHS02-GHS07-GHS08 | H225-304-315-319-332-336-361-371 |
| Metyl Ehyl Ketone | 78-93-3 | 2.5-10 | GHS02-GHS07 | H225-315-320-335-336 |
| 1-methyl-2-methoxyethyl acetate | 108-65-6 | 2.5-10 | GHS02 | H226 |
| N-Methyl-2-pyrrolidone | 872-50-4 | 0.1-1.0 | GHS07 -GHS08 | H315-319-335-360 |
| Carboxilato de zinc | 136-53-8 | 0.1-1.0 | GHS07 -GHS08 | H319-361 |

The text for GHS Hazard Statements shown above (if any) is given in the "Other information" Section.

4. First-aid Measures

FIRST AID - INHALATION: Artificial respiration and/or oxygen may be necessary. Keep the victim calm. Ensure that medical personnel are aware of the materials involved and take precautions to protect themselves. Oxygen or artificial respiration if needed. If inhaled, remove to fresh air. Give oxygen if necessary. Consult a physician if symptoms persist or exposure is severe.

FIRST AID - SKIN CONTACT: Seek medical advice. In case of skin contact, wash immediately with plenty of water for at least 20 minutes. In case of contact, wash skin immediately with soap and water. In case of contact, immediately flush skin with plenty of water while removing contaminated clothing and shoes. In case of burns, immediately wash skin with cold water. Seek medical advice. Do not remove clothes stick to the skin. Seek medical advice.

FIRST AID - EYE CONTACT: In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

FIRST AID - INGESTION: If ingested, do not induce vomiting. If conscious, drink 8-10 oz. of water promptly. Call a physician immediately.

5. Fire-fighting Measures

UNUSUAL FIRE AND EXPLOSION HAZARDS: Heating may cause an explosion. Flammable liquid. Vapors can form an ignitable mixture with air. Vapors can flow along surfaces to a distant ignition source and flash back. Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks). When heated, emits highly irritating and noxious vapors.

SPECIAL FIREFIGHTING PROCEDURES: Do not use a solid water stream as it may scatter and spread fire. Move containers from fire area if you can do it without risk. All these products have a very low flash point: Use of water spray when fighting fire may be inefficient. Use a self-contained breathing apparatus with full facepiece operated in pressure-demand or other positive pressure mode. Flammable. Cool fire-exposed containers using water spray. For massive fire, use unmanned hose holders or monitor nozzles; if this is impossible, withdraw from area and let fire burn.

EXTINGUISHING MEDIA: Carbon Dioxide, Dry Chemical, Foam, Water Fog

6. Accidental Release Measures

ENVIRONMENTAL MEASURES: Do not allow to enter drains, sewers, or sewers. Inform the authorities in the event of a leak in natural water courses or in the sewage system.

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Keep unauthorized personnel away. Stay upwind, uphill and/or upstream. Water spray can reduce vapours, but may not prevent ignition in enclosed spaces. Ventilate closed spaces before entering. All equipment used when handling the product must be grounded. Use clean, non-sparking tools to collect absorbed material. Do not touch or walk through spilled material. Stop leak if you can do it without risk. Prevent entry into waterways, sewers, basements or confined areas. Use water spray to reduce vapors or divert vapor cloud drift. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Dike to prevent entering any sewer or waterway. Transfer liquid to a holding container. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).

7. Handling and Storage



HANDLING: Do not cut, drill, grind, weld, or perform similar operations on or near empty containers. Vapors are heavier than air and may travel a long distance and accumulate in low lying areas. Ignition and/or flash back may occur. Never use air pressure for transferring product. Use only in well-ventilated areas. Handle in accordance with good industrial hygiene and safety practice. Keep away from open flames, hot surfaces and sources of ignition. Keep out of reach of children. Take precautionary measures against static discharges. Hazardous residue may remain in emptied container. Do not reuse empty containers without commercial cleaning or reconditioning.

STORAGE: Keep in a dry, cool and well-ventilated place. Once used, the container should be closed and keep in a well ventilated area and in vertical position to prevent losses. Keep containers closed when not in use.

8. Exposure Controls/Personal Protection

Ingredients with Occupational Exposure Limits

| <u>Chemical Name</u> | <u>ACGIH TLV-TWA</u> | <u>ACGIH-TLV STEL</u> | <u>OSHA PEL-TWA</u> | <u>OSHA PEL-CEILING</u> |
|---------------------------------|----------------------|-----------------------|---------------------|-------------------------|
| Xilene | 20 ppm 8h | 150 ppm 15 min | 100 ppm 8h | N.E. |
| Toluene | 20 ppm | N.E. | 200 ppm | N.E. |
| Metyl Ehyl Ketone | N.E. | N.E. | 200 ppm | N.E. |
| 1-methyl-2-methoxiethyl acetate | 50 mg/L | 100 mg/L | N.E. | N.E. |
| N-Methyl-2-pyrrolidone | N.E. | N.E. | N.E. | N.E. |
| Carboxilato de zinc | N.E. | N.E. | N.E. | N.E. |

Further Advice: MEL = Maximum Exposure Limit OES = Occupational Exposure Standard SUP = Supplier's Recommendation
Sk = Skin Sensitizer N.E. = Not Established

Personal Protection



RESPIRATORY PROTECTION: In case of insufficient ventilation, wear suitable respiratory equipment.



SKIN PROTECTION: Wear nitrile or neoprene gloves. Gloves should be inspected before use. Use the correct technique to remove the gloves (without touching the exterior surface) to prevent skin contact with the product.



EYE PROTECTION: Wear chemical goggles and faceshield (if not wearing a full facepiece respirator). Wear approved eye protection according to applicable governmental regulations.



OTHER PROTECTIVE EQUIPMENT: When required, according to the concentration of the product, wear chemical protective clothing with limited thermal protection.



HYGIENIC PRACTICES: 022 <undefined>Wash hands and face before breaks and immediately after handling the product. Contaminated clothing should be changed and washed before reuse. Eating, drinking and smoking in immediate work area should be prohibited.

9. Physical and Chemical Properties

| | | | |
|--------------------------------------|-----------------|--|-----------------|
| Appearance: | Liquid | Physical State: | Liquid |
| Odor: | Characteristic | Odor Threshold, ppb: | Not Established |
| Density, g/ml: | 0.937 | pH: | N.A. |
| Freeze Point, °C: | No Information | Viscosity, cP: | |
| Solubility in Water: | No | Partition Coefficient, n-octanol/water: | No Information |
| Decomposition temperature, °C | No Information | | |
| Boiling Range, °C: | 0 - 0 | Explosive Limits, %: | 0.0 - 99.0 |
| Combustibility: | Sin Información | Flash Point, °C: | 20 |
| Evaporation Rate: | | Auto-Ignition Temperature, °C | No Information |
| Vapor Density: | | Vapor Pressure, mmHg: | No Information |

(See "Other information" Section for abbreviation legend)

10. Stability and Reactivity

STABILITY: Stable under recommended storage conditions.

CONDITIONS TO AVOID: Keep away from sources of ignition: heat, flame and sparks.

INCOMPATIBILITY: Oxidizing agents, strong acids and strong bases. Keep away from strong oxidizing agents, heat and open flames.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition can lead to release of irritating gases and vapors.

11. Toxicological Information



Practical Experiences

INFORMATION ON TOXICOLOGICAL EFFECTS

Acute Toxicity: It contains toluene. Inhalation of large amounts of Toluene for short periods of time adversely affects the nervous system, the kidneys, the liver and the heart. The adverse effects that occur depend on the time and amount or concentration in the exposure; These may include muscle tremors, tingling in the fingers, severe headaches, seizures, drowsiness, absence of sensations and loss of consciousness. Some effects are reversible such as fatigue, headache, loss of manual ability and narcosis and therefore disappear once the exposure is over.

Skin corrosion/irritation: Direct contact can cause irritation, inflammation and skin burns. Inflammation of the skin is characterized by itching, scaling, redness or occasional blistering. It could be dangerous if it's absorbed for the skin.

Serious eye damage/eye irritation: May cause moderate eye irritation. May cause moderate corneal injury. Vapor may cause eye irritation experienced as mild discomfort and redness. Vapor may cause lacrimation (tears).

Respiratory or skin sensitisation: No Information

Germ cell mutagenicity: No Information

Carcinogenicity: No Information

Reproductive toxicity: Contains toluene: Prolonged or repeated exposure at high concentrations causes disorders in the development of fetuses in pregnant women.

Specific target organ toxicity - single exposure: No Information

Specific target organ toxicity - repeated exposure: Contains toluene: The main effects, both acute and chronic, due to an exposure of Toluene correspond to disorders in the central nervous system; Depending on the person exposed, excitement may occur, Euphoria, irritability, rapid changes in mood, seizures, coma or death. Contains toluene. Acute exposure produces effects in the

system central nervous system (headache, dizziness, intoxication) and eye irritation.

Aspiration hazard: No Information

Acute Toxicity Values

The acute effects of this product have not been tested. Data on individual components are tabulated below

| <u>CAS-No.</u> | <u>Chemical Name</u> | <u>Oral LD50</u> | <u>Dermal LD50 (mg/kg)</u> | <u>Vapor LC50</u> |
|----------------|---------------------------------|------------------|----------------------------|-------------------|
| 1330-20-7 | Xilene | 4300 | >4200 | 30 |
| 108-88-3 | Toluene | 5580 | 12196 | 20 |
| 78-93-3 | Metyl Ehyl Ketone | 2737 | 6780 | 32 |
| 108-65-6 | 1-methyl-2-methoxiethyl acetate | 8532 | >2000 | >20 |

N.I. = No Information

Toxicidad Dermal del producto: 11,187.50 mg/kg

12. Ecological Information

Toxicity: No Information

Persistence and Degradability: No Information

Bioaccumulative potential: No Information

Mobility in the soil: No Information

Other adverse effects: No Information

13. Disposal Information

DISPOSAL METHOD: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. Prevent entry into waterways, sewers, basements or confined areas.

14. Transport Information

SPECIAL TRANSPORT PRECAUTIONS: No Information

Sea Transport

| | |
|---|------------------------------------|
| UN Number: | 1263 |
| IMDG/GGVSee Class: | 3 |
| Packing Group: | II |
| Shipping Name: | Paint or material related to paint |
| Marine Pollutant: | No Information |
| Shipping Hazard(Marine Pollutant): | No Information |

Air Transport

| | |
|-------------------------|------------------------------------|
| UN Number: | 1263 |
| ICAO/IATA Class: | 3 |
| Packing Group: | II |
| Shipping Name: | Paint or material related to paint |

15. Regulatory Information

No information available

16. Other Information

Revision Date: 4/6/2019 **Supersedes Date:** New MSDS
Reason for revision: No Information
Datasheet produced by: SUR Química S.A.

Hazardous Material Information System: HMIS

| | | | | | | | | | | | |
|--------|---|--------------|---|------------|---|---------------------|---|----------------|----|--------------|---------------------|
| Health | 2 | Flammability | 3 | Reactivity | 0 | Personal Protection | G | Chronic Hazard | Sí | Target Organ | S REPRO DUCTI |
|--------|---|--------------|---|------------|---|---------------------|---|----------------|----|--------------|---------------------|

National Fire Protection Association: NFPA

| | | | | | | | |
|--------------|---|--------|---|------------|---|-----------------|-----|
| Flammability | 3 | Health | 2 | Reactivity | 0 | Special Hazards | N/A |
|--------------|---|--------|---|------------|---|-----------------|-----|

Text for GHS Hazard Statements shown in Section 3 describing each ingredient:

| | |
|------|--|
| H225 | Highly flammable liquid and vapour. |
| H226 | Flammable liquid and vapour. |
| H304 | May be fatal if swallowed and enters airways. |
| H315 | Causes skin irritation. |
| H319 | Causes serious eye irritation. |
| H320 | Causes eye irritation |
| H332 | Harmful if inhaled. |
| H335 | May cause respiratory irritation. |
| H336 | May cause drowsiness or dizziness. |
| H360 | May damage fertility or the unborn child. |
| H361 | Suspected of damaging fertility or the unborn child. |
| H371 | May cause damage to organs. |

Icons for GHS Pictograms shown in Section 3 describing each ingredient:

GHS02



GHS07



GHS08



Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

The information contained in this safety sheet has been prepared for SUR QUIMICA S.A. based on the data provided by suppliers and manufacturers of the raw materials involved. This document is intended to be a guide for safe use according to use. The user receiving this information must be properly trained and be able to use his independent judgment to determine its applicability in particular uses. This safety data sheet (SDS) does not in any way exempt the user from knowing and complying with the good practices and rules of use applicable to their activity. The user must assume full responsibility to know and take precautions related to the use of the product. The exposure scenario is subject to revision and changes. The user must ensure that they have the latest version of the FDS. The updated versions are available on the website www.gruposur.com