

# Safety Data Sheet



## 1. Identification

**Product Information:** 31455700

**Family:** 509

**Product Name:** GOFRADO 31.4

**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 INTERNATIONAL: (506) 2211-3911

**Safety Data Sheet Coordinator:** sds@gruposur.com

## 2. Hazards Identification

### GHS Classification

Aquatic Chronic 3, Eye Irrit. 2A, Flam. Liq. 3, Skin Irrit. 2, Skin Sens. 1

### Symbol(s) of Product



### Signal Word

Warning

### GHS HAZARD STATEMENTS

Flammable Liquid, category 3	H226	Flammable liquid and vapour.
Skin Irritation, category 2	H315	Causes skin irritation.
Skin Sensitizer, category 1	H317	May cause an allergic skin reaction.
Eye Irritation, category 2A	H319	Causes serious eye irritation.
Hazardous to the aquatic environment, Chronic, category 3	H412	Harmful to aquatic life with long lasting effects.

### GHS LABEL PRECAUTIONARY STATEMENTS

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233	Keep container tightly closed.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash skin thoroughly after handling.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
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].
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321	Specific treatment (see FIRST AID on this sheet).

P332+P313  
 P333+P313  
 P337+P313  
 P362+P364  
 P370+P378  
 P403+P235  
 P501

If skin irritation occurs: Get medical advice/attention.  
 If skin irritation or rash occurs: Get medical advice/attention.  
 If eye irritation persists: Get medical advice/attention.  
 Take off contaminated clothing and wash it before reuse.  
 In case of fire: Use materials indicated in Section 5 to extinguish.  
 Store in a well-ventilated place. Keep cool.  
 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 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

Chemical Name	CAS-No.	Wt. %	GHS Symbols	GHS Statements
Xilene	1330-20-7	10-20	GHS07	H303-313-315
Diglycidyl ether of Bisphenol	25068-38-6	10-20	GHS07-GHS09	H317-319-411
Methyl Isobutyl Ketone	108-10-1	2.5-10	GHS02-GHS07	H225-303-319-332-335
Aromatic Petroleum Hidrocarbon	64742-95-6	2.5-10	GHS02-GHS07-GHS08-GHS09	H226-303-304-317-335-336-411
1-methyl-2-methoxiethyl acetate	108-65-6	1.0-2.5	GHS02	H226-313
2-Methyl-1-propanol	78-83-1	1.0-2.5	GHS02-GHS05-GHS07	H226-303-313-315-318-335-336
n-Butyl Acetate	123-86-4	1.0-2.5	GHS02-GHS07	H225-315-320-332-336-402
Toluene	108-88-3	0.1-1.0	GHS02-GHS07-GHS08	H225-304-315-319-332-336-361-371

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:** In case of skin contact, wash immediately with plenty of water for at least 20 minutes. Persistent skin irritation may be treated with topical applications of anaesthetic ointments. Wash off immediately with plenty of water for at least 15 minutes. 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:** Flush eye(s) immediately with plenty of water. 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).

**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 kept 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.
Diglycidyl ether of Bisphenol	N.E.	N.E.	N.E.	N.E.
Methyl Isobutyl Ketone	100	416 mg/m <sup>3</sup>	208 mg/m <sup>3</sup> 8 h	N.E.
Aromatic Petroleum Hydrocarbon	25	N.E.	N.E.	N.E.
1-methyl-2-methoxyethyl acetate	50 mg/L	100 mg/L	N.E.	N.E.
2-Methyl-1-propanol	50 ppm	N.E.	100 ppm	N.E.
n-Butyl Acetate	150 ppm	N.E.	N.E.	N.E.
Toluene	20 ppm	N.E.	200 ppm	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:** 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. Wear rubber gloves.



**EYE PROTECTION:** Safety glasses with side-shields to prevent possible splashing of the product.



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



**HYGIENIC PRACTICES:** 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:	Aromatic	Odor Threshold, ppb:	Not Established
Density, g/ml:	1.452	pH:	N.A.
Freeze Point, °C:	No Information	Viscosity, cP:	No Information
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:	31
Evaporation Rate:	No Information	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:** No Information

**Skin corrosion/irritation:** No Information

**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:** No Information

**Specific target organ toxicity - single exposure:** No Information

**Specific target organ toxicity - repeated exposure:** No Information

**Aspiration hazard:** No Information

### Acute Toxicity Values

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

CAS-No.	Chemical Name	Oral LD50	Dermal LD50 (mg/kg)	Vapor LC50
1330-20-7	Xilene	4300	>4200	30
25068-38-6	Diglycidyl ether of Bisphenol	13600	>5000	>20
108-10-1	Methyl Isobutyl Ketone	2080	16000	16.4
64742-95-6	Aromatic Petroleum Hidrocarbon	>3492	>5000	>20
108-65-6	1-methyl-2-methoxyethyl acetate	8532	>2000	>20
78-83-1	2-Methyl-1-propanol	3350	2460	24.6
123-86-4	n-Butyl Acetate	10760	>14000	>20
108-88-3	Toluene	5580	12196	20

N.I. = No Information

Toxicidad Dermal del producto: 19,989.76 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: 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: III  
 Shipping Name: Paint or material related to paint  
 Marine Pollutant: No  
 Shipping Hazard(Marine Pollutant): No Information

**Air Transport**

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

**15. Regulatory Information**

No information available

**16. Other Information**

Revision Date: 1/9/2023 Supersedes Date: 1/9/2023

Reason for revision: Product Composition Changed  
 Substance and/or Product Properties Changed in Section(s):  
 01 - Product Information  
 09 - Physical & Chemical Information  
 11 - Toxicological Information  
 Statement(s) Changed

Datasheet produced by: SUR Química S.A.

**Hazardous Material Information System: HMIS**

Health	2	Flammability	3	Reactivity	0	Personal Protection	G	Chronic Hazard	No	Target Organ	N/A
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**National Fire Protection Association: NFPA**

Flammability	3	Health	2	Reactivity	0	Special Hazards	N/A
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**Text for GHS Hazard Statements shown in Section 3 describing each ingredient:**

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H303	May be harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H313	May be harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H320	Causes eye irritation
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H361	Suspected of damaging fertility or the unborn child.
H371	May cause damage to organs.
H402	Harmful to aquatic life.
H411	Toxic to aquatic life with long lasting effects.

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

GHS02	
GHS05	
GHS07	
GHS08	
GHS09	

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](http://www.gruposur.com)