

Safety Data Sheet



1. Identification

Product Information: 00716900

Family: 509

Product Name: KLASS ETCHING PRIMER ACTIVATOR 716

Recommended Use: Activator

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

GHS Classification

Eye Dam. 1, Flam. Liq. 3, Skin Irrit. 2, STOT SE 3 NE, STOT SE 3 RTI

Symbol(s) of Product



Signal Word

Danger

GHS HAZARD STATEMENTS

| | | |
|--|------|------------------------------------|
| Flammable Liquid, category 3 | H226 | Flammable liquid and vapour. |
| Skin Irritation, category 2 | H315 | Causes skin irritation. |
| Serious Eye Damage, category 1 | H318 | Causes serious eye damage. |
| STOT, single exposure, category 3, RTI | H335 | May cause respiratory irritation. |
| STOT, single exposure, category 3, NE | H336 | May cause drowsiness or dizziness. |

GHS LABEL PRECAUTIONARY STATEMENTS

| | |
|----------------|--|
| P210 | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| P261 | Avoid breathing dust/fume/gas/mist/vapours/spray. |
| P264 | Wash skin thoroughly after handling. |
| P271 | Use only outdoors or in a well-ventilated area. |
| 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]. |

P304+P340
P305+P351+P338

IF INHALED: Remove person to fresh air and keep comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a POISON CENTER or doctor/physician.
Specific treatment (see FIRST AIDS on this sheet).
If skin irritation occurs: 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 container tightly closed.
Store in a well-ventilated place. Keep cool.
Store locked up.
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.

P310
P321
P332+P313
P362+P364
P370+P378
P403+P233
P403+P235
P405
P501

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 |
|---------------------------|-----------|--------|-------------------|------------------------------|
| 2-Methyl-1-propanol | 78-83-1 | 40-50 | GHS02-GHS05-GHS07 | H226-303-313-315-318-335-336 |
| Isopropyl Alcohol | 67-63-0 | 40-50 | GHS02-GHS07 | H225-319-336 |
| Phosphoric acid inhibited | 7664-38-2 | 2.5-10 | GHS05 | H303-313-314 |

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> |
|---------------------------|----------------------|-----------------------|---------------------|-------------------------|
| 2-Methyl-1-propanol | 50 ppm | N.E. | 100 ppm | N.E. |
| Isopropyl Alcohol | 400 | 500 ppm | 400 ppm | N.E. |
| Phosphoric acid inhibited | 1 mg/m ³ | 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: 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: | Alcoholic | Odor Threshold, ppb: | Not Established |
| Density, g/ml: | 0.825 | pH: | N.A. |
| Freeze Point, °C: | No Information | Viscosity, cP: | No Information |
| Solubility in Water: | Sí | Partition Coefficient, n-octanol/water: | No Information |
| Decomposition temperature, °C | No Information | | |
| Boiling Range, °C: | 80 - 100 | Explosive Limits, %: | 11.0 - 16.7 |
| Combustibility: | Sin Información | Flash Point, °C: | 26 |
| Evaporation Rate: | No Information | Auto-Ignition Temperature, °C | No Information |
| Vapor Density: | No Information | 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: No Information

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

| <u>CAS-No.</u> | <u>Chemical Name</u> | <u>Oral LD50</u> | <u>Dermal LD50 (mg/kg)</u> | <u>Vapor LC50</u> |
|----------------|---------------------------|------------------|----------------------------|-------------------|
| 78-83-1 | 2-Methyl-1-propanol | 3350 | 2460 | 24.6 |
| 67-63-0 | Isopropyl Alcohol | 5045 | 12800 | 16000 |
| 7664-38-2 | Phosphoric acid inhibited | 2600 | >2740 | >20 |

N.I. = No Information

Toxicidad Dermal del producto: 5,031.76 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: 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: | III |
| 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: | III |
| Shipping Name: | Paint or material related to paint |

15. Regulatory Information

No information available

16. Other Information

Revision Date: 14/7/2025 **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 | No | Target Organ | N/A |
|--------|---|--------------|---|------------|---|---------------------|---|----------------|----|--------------|-----|

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.
 H303 May be harmful if swallowed.
 H313 May be harmful in contact with skin.
 H314 Causes severe skin burns and eye damage.
 H315 Causes skin irritation.
 H318 Causes serious eye damage.
 H319 Causes serious eye irritation.
 H335 May cause respiratory irritation.
 H336 May cause drowsiness or dizziness.

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

GHS02



GHS05



GHS07



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