

Safety Data Sheet



1. Identification

Product Information: 53457900

Family: 557

Product Name: ACIDO CLORHIDRICO AC 457

Recommended Use: Additive

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

Skin Corr. 1, STOT SE 3 RTI

Symbol(s) of Product



Signal Word

Danger

GHS HAZARD STATEMENTS

| | | |
|--|------|--|
| STOT, single exposure, category 3, RTI | H335 | May cause respiratory irritation. |
| Skin Corrosion, category 1 | H314 | Causes severe skin burns and eye damage. |

GHS LABEL PRECAUTIONARY STATEMENTS

| | |
|----------------|--|
| P260 | Do not breathe 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. |
| P301+P330+P331 | IF SWALLOWED: rinse mouth. Do NOT induce vomiting. |
| P303+P361+P353 | IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. |
| P304+P340 | IF INHALED: Remove person to fresh air and keep comfortable for breathing. |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P310 | Immediately call a POISON CENTER or doctor/physician. |
| P403+P233 | Store in a well-ventilated place. Keep container tightly closed. |
| 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 SDS PRECAUTIONARY STATEMENTS

P363

Wash contaminated clothing before reuse.

3. Composition/Information on Ingredients

| <u>Chemical Name</u> | <u>CAS-No.</u> | <u>Wt. %</u> | <u>GHS Symbols</u> | <u>GHS Statements</u> |
|----------------------|----------------|--------------|--------------------|-----------------------|
| hydrochloric acid | 7647-01-0 | 30-40 | GHS05-GHS07 | H290-314-335 |

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: Not flammable. No special fire-fighting procedures are required.

SPECIAL FIREFIGHTING PROCEDURES: Not combustible. Non-combustible substances do not ignite on their own.

EXTINGUISHING MEDIA: None Known

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. 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.

7. Handling and Storage

HANDLING: 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> |
|----------------------|----------------------|-----------------------|---------------------|-------------------------|
| hydrochloric acid | N.D. | 2ppm | 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: | Without smell | Odor Threshold, ppb: | No Information |
| Density, g/ml: | 1.160 | pH: | No Information |
| Freeze Point, °C: | No Information | Viscosity, cP: | 23 - 46 cps |
| Solubility in Water: | Sí | Partition Coefficient, n-octanol/water: | No Information |
| Decomposition temperature, °C | No Information | | |
| Boiling Range, °C: | 0 - 0 | Explosive Limits, %: | 0.0 - 0.0 |
| Combustibility: | Sin Información | Flash Point, °C: | 100 |
| 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: Avoid contact with skin.

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> |
|----------------|----------------------|------------------|----------------------------|-------------------|
|----------------|----------------------|------------------|----------------------------|-------------------|

No hazardous items exist

N.I. = No Information

Toxicidad Dermal del producto: 0.00 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: | 1987 |
| IMDG/GGVSee Class: | 8 |
| Packing Group: | III |
| Shipping Name: | ACIDO CLORHIDRICO |
| Marine Pollutant: | No |

Shipping Hazard(Marine Pollutant): No Information

Air Transport

UN Number: 1987
 ICAO/IATA Class: 8
 Packing Group: III
 Shipping Name: ACIDO CLORHIDRICO

15. Regulatory Information

No information available

16. Other Information

Revision Date: 13/12/2024 Supersedes Date: 30/4/2024

Reason for revision: Substance and/or Product Properties Changed in Section(s):
 01 - Product Information
 03 - Composition/Information on Ingredients

Datasheet produced by: SUR Química S.A.

Hazardous Material Information System: HMIS

| | | | | | | | | | | | |
|--------|---|--------------|---|------------|---|---------------------|---|----------------|----|--------------|-----|
| Health | 3 | Flammability | 1 | Reactivity | 1 | Personal Protection | H | Chronic Hazard | No | Target Organ | N/A |
|--------|---|--------------|---|------------|---|---------------------|---|----------------|----|--------------|-----|

National Fire Protection Association: NFPA

| | | | | | | | |
|--------------|---|--------|---|------------|---|-----------------|-----|
| Flammability | 1 | Health | 3 | Reactivity | 1 | Special Hazards | N/A |
|--------------|---|--------|---|------------|---|-----------------|-----|

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

H290 May be corrosive to metals.
 H314 Causes severe skin burns and eye damage.
 H335 May cause respiratory irritation.

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

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