

## SAFETY DATA SHEET

ISSUE DATE: 29/03/2023

### I. IDENTIFICATION

**Supplied by/Manufacturer:** **SURQUIMICA S.A.**  
Calle 38, contiguo al cementerio La Uruca  
San José, Costa Rica, Centro América

Tel Information: (506) 2211-3800  
Fax: (506) 2257-2028

**Emergency telephone:**  
**CHEMTREC: 1-800-424-9300 (USA)**  
**703-527-3887**

**SURQUIMICA S.A.: (506) 2211-3911**

**Product name:** LIMPIADOR DE FRAGUA

**Code:** 505-00310-900

**Kind:** Cleaner

**Brand:** KLASS

### II. CLASSIFICATION

**Class**

Class 8      Corrosive      Produces severe burns or irritation

### III. COMPOSITION/INFORMATION ON INGREDIENTS

<b><u>Hazardous components</u></b>	<b><u>No CAS</u></b>	<b><u>% P/P</u></b>	<b><u>TLV/ppm</u></b>
Polyethylene glycol tridecyl ether phosphate	9046-01-9	1.0-2.5	-
Hydrochloric acid	7647-01-0	2.5-10	-

### IV. HEALTH RISK

**General Emergency Summary:** CORROSIVE. Causes severe eye irritation. Causes skin and tract irritation respiratory.

**Ingestion:** Causes irritation of the gastrointestinal tract. Symptoms may include nausea, vomiting and diarrhea. Extremely high oral doses may cause gastrointestinal upset. In cases of severe ingestion calcium deficiency in the blood may occur.

**Dermal contact:** Causes skin irritation. Symptoms include redness, itching and pain.

**Inhalation:** Causes irritation of the respiratory tract with symptoms such as cough, shortness of breath.

**Eye Contact:** Causes severe irritation by direct contact with the eyes.

**Primary routes of entry:** Skin contact, Ingestion, Eye contact, Inhalation

## V. FIRST AID MEASURES

**Ingestion:** Nothing should ever be given by mouth to an unconscious person. Wash your mouth with water and then drink plenty of water.

**Inhalation:** Move the affected person to fresh air. Seek medical attention.

**Dermal Contact:** Wash immediately with soap and plenty of water.

**Eye Contact:** If material gets into eyes, flush immediately with water for 15 minutes. Consult a doctor.

## VI. FIRE AND EXPLOSION HAZARDS

**Flashpoint (°C):** >100 **Method:** N.D.

<b>Flammable</b>	<b>limits</b>	<b>in</b>	<b>%</b>	<b>volume:</b>	<b>LEL:</b>	<b>N.D.;</b>	<b>LSE:</b>
N.D.							

**Recommended extinguishing agents:** Fog, Carbon dioxide, Foam, Chemical dust

**Explosion and Fire Hazards:** No special precautions required. No measures are required special protection against fire The product does not burn or spread flame.

**Firefighting procedure:** In case of fire, protect yourself with self-contained breathing apparatus. In case of fire, cool the tanks with water spray.

**Dangerous combustion products:** Carbon Oxide, Nitrogen Oxide

## VII. ACCIDENTAL RELEASE MEASURES

**In case of spill or leak:** Form a dam to prevent entry into any sewer or waterway. Transfer the liquid to a holding container.

**Waste disposal:** Do not dispose of waste into surface water or storm sewer system. If recycling is not possible, dispose of in accordance with local regulations.

## VIII. HANDLING AND STORAGE

**Storage temperature:** Store at temperatures 20-30°C

**Handling instructions:** Keep out of reach of children. No advice required special handling. Avoid contact with eyes, skin and clothing. Do not repackaged spilled material.

**Storage:** Store in a dry place. Keep container tightly closed.

## IX. PERSONAL PROTECTION

**Ventilation:** Provide adequate ventilation.

**Respiratory Protection:** Respiratory personal protective equipment is not normally required.

**Skin protection:** Use nitrile or PVC gloves.

**Eye protection:** If there is a risk of splashing, the use of protective glasses with side shields is recommended.

The placement of a safety shower and eyewash station in the work area should be evaluated by an Occupational Health specialist.

## X. PHYSICAL AND CHEMICAL PROPERTIES

**Color:** colorless      **Density (g/mL):** 1.024  
**Appearance:** liquid  
**Odor:** characteristic      **pH:** 2.0  
**% Volatiles (p/p):** N.D.      **Flashpoint ( ° C ):** 100  
**Vapor density (air = 1.0):** >1.0      **V.O.C. (g/L):** N.D.  
**Water solubility:** Soluble

## XI. STABILITY AND REACTIVITY

**Stability:** Stable under recommended storage and handling conditions.

**Hazardous Polymerization Hazard:** Polymerization will not occur.

**Incompatibility:** avoid bases and alkaline compounds.

**Decomposition Products:** Thermal decomposition may release irritating gases and vapors.

## XII. TOXICOLOGICAL INFORMATION

There is no data for the product as such, the criteria issued are according to the data reported by the manufacturers of the raw materials.

<u>Hazardous components</u>	<u>No CAS</u>	<u>Oral LD50(mg/kg)</u>
Polyethylene glycol tridecyl ether phosphate	9046-01-9	>5000

## XIII. ECOLOGICAL INFORMATION

There are no eco-toxic studies on the final product. Because there is no data on how it can act on the ecology, it is recommended to avoid entering surface and/or groundwater.

## XIV. DISPOSAL INFORMATION

**Disposal:** Do not discharge into surface water or sanitary sewage system. If it cannot be recycled, dispose of it according to local regulations.

## XV. TRANSPORT INFORMATION

**Shipping name:** Corrosive liquid

**UN number:** 1760

**Class:** 8

**Packing group:** III

## **XVI. REGULATORY INFORMATION**

**National regulation:** No Information.

**Other regulations:** No Information.

## **XVII. OTHER INFORMATION**

**Products included in this safety data sheet (identified by their code):** 505-00310-900

**HMIS** (Hazardous Material Information System)

**Health:** 2 – Moderate  
**Flammability:** 0 –Non Flammable  
**Reactivity:** 0 – No danger  
**Personal protection:** B

**NFPA** (National Fire Protection Association)

**Health:** 2 – Moderate  
**Flammability:** 0 –Non Flammable  
**Reactivity:** 0 – No danger  
**Special:** : \_\_Snfpa\_\_

The HMIS and NFPA values imply interpretations of the data, which may vary from company to company, and are intended to allow quick and general identification of the magnitude of the specific hazard. In order to handle this product safely, all the information contained in this safety data sheet must be taken into account.

Note: The recipient should try to have this safety data sheet sent to any transporter or eventual user of our product. The information offered in this safety data sheet is based on data provided by our suppliers and data determined in our plant, even though we have considered to be reliable with the information, the product is sold to be used for a defined purpose. SURQUIMICA S.A. assumes no responsibility to the purchaser of this product or to any second or third person for damages caused by its use.