

SAFETY DATA SHEET

ISSUE DATE: 17/09/2024

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: NIT INTENSACLEAN INDUSTRIAL ACINIT

Code: 539-33330-900

Kind: Acid cleaner

Brand: NIT

II. CLASSIFICATION

Class

Class 8 Corrosive

Causes severe skin burns and eye damage. It can irritate the respiratory tract.

III. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Componentes Peligrosos</u>	<u>No CAS</u>	<u>% P/P</u>
Phosphoric acid	7664-38-2	20-30
Phosphorous acid	13598-36-2	<0.1

IV. HEALTH RISK

General Emergency Summary: Causes severe skin burns and eye damage. May irritate respiratory tract.

Ingestion: Ingestion may cause burns to the gastrointestinal tract.

Skin Contact: Causes burns and skin irritation. Symptoms include redness, itching, and pain.

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

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

Primary Routes of Entry: Skin Contact, Ingestion, Eye Contact, Inhalation

V. FIRST AID MEASURES

Ingestion: If swallowed, DO NOT induce vomiting. Never give anything to an unconscious person. Rinse mouth with water. Consult a physician.

Inhalation: Give artificial respiration if victim is not breathing. Move victim to fresh air. Consult a doctor.

Skin contact: immediately flush eyes with running water for at least 20 minutes. Wash skin immediately with soap and water. Remove and isolate contaminated clothing and shoes. In case of burns, immediately cool affected skin for as long as possible with cold water. Consult a physician. Do not remove clothing that is stuck to the skin.

Eye contact: Immediately flush eyes with running water for at least 20 minutes. Consult a doctor.

VI. FIRE AND EXPLOSION HAZARDS

Flashpoint (°C): Non flammable **Method:** N.D.

Flammable limits in % volume: LEL: N.D.; LSE: N.D.

Recommended extinguishing agents: Fog

Explosion and fire hazards: Special precautions are not required. No special protective measures against fire are required. 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.

Hazardous combustion products: Carbon oxides and nitrogen oxides.

VII. ACCIDENTAL RELEASE MEASURES

Environmental precautions: Do not allow to enter soil, storm drains or natural waterways. Inform the appropriate authorities if any leak occurs into natural waterways or the sewer system.

Methods and materials for containment and cleaning up spills: Keep unauthorized personnel away. Stay upwind, at high altitude and/or upstream. Ventilate enclosed spaces before entering. All equipment used when handling the product must be electrically grounded. Use clean, spark-proof tools to pick up absorbed material. Do not touch or walk through spilled material. Stop leak if it can be done without risk. Prevent entry into waterways, sewers, basements or confined areas. A vapor-suppressing foam may be used to reduce vapors. Absorb with dry earth, sand or other absorbent material.

VIII. HANDLING AND STORAGE

Storage temperature: Store between 20-30 °C

Precautions for safe handling: Handle with appropriate industrial hygiene precautions and observe safety practices. Keep away from open flames, hot surfaces and sources of ignition. Keep out of reach of children. Take precautions against electrostatic discharge. Containers, even those that have been emptied, may contain hazardous residues and/or vapors. Do not reuse empty containers without commercial cleaning or reconditioning.

Safe storage conditions: Keep in a dry, cool, well-ventilated place. After use, the container must be carefully resealed and kept upright to prevent leakage. Keep the container closed when not in use.

IX. PERSONAL PROTECTION

Respiratory Protection: In case of insufficient ventilation, it is recommended to consult with an occupational health specialist for the most suitable respirator according to the level of exposure.

Skin Protection: It is recommended to handle with chemically resistant nitrile or neoprene gloves. Gloves should be inspected before use. Use the correct glove removal technique (without touching the outer surface of the glove) to avoid skin contact with this product.

Eye Protection: Safety glasses with side shields and/or face shield are recommended. Use eye protection equipment tested and approved according to applicable government standards.

Other Protective Equipment: Protect skin from possible splashes. Use clothing that covers the body.

Hygienic Practices: Wash hands and face before breaks and immediately after handling the product. Contaminated clothing should be changed and washed before reuse. Do not eat, drink or smoke in the immediate work area.

IX. PHYSICAL AND CHEMICAL PROPERTIES

Color: colorless

Appearance: Liquid

Odor: Characteristic smell

% Volatiles (p/p): N.D.

Vapor density (air = 1.0): >1.0

Water solubility: Soluble

Density, lowest value depending on color, (g/mL): 1.16

pH: N.D

Flashpoint (° C):: N.D

V.O.C. (g/L): N.D.

XI. STABILITY AND REACTIVITY

Stability: Stable under normal conditions

Risk of dangerous polymerization: No

Incompatibility: Avoid direct contact with the substance. Incompatible with strong bases, alcohols, hydrides, halides, alkaline metals and compounds, amines, metals, halogens and halogenated compounds, ammonia, alcohols, non-metallic oxides, carbides, organic solvents, hydroxides, nitrogen compounds. Keep away from strong oxidising agents, high temperatures, ignition sources, contact with incompatible materials.

Thermal decomposition products: Thermal decomposition may release irritating gases and vapours. Decomposes by reaction with strong acids. The product attacks various metals forming explosive and flammable gases. In contact with common metals, the product releases hydrogen, a flammable gas, and may form an explosive mixture with air. The product reacts violently with bases. The substance polymerises violently under the influence of epoxide and azo compounds. When mixed with nitrogen it may be explosive. Forms flammable gas with sulfites, mercaptans, cyanides and aldehydes.

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.

Componente Peligroso	No CAS	Oral LD50 (mg/kg)
Phosphoric acid	7664-38-2	2600
Phosphorous acid	13598-36-2	>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 n.o.s (phosphoric acid)

UN number: 1760

Class: 8

Packing group: III

XVI. REGULATORY INFORMATION

National regulation: No Information.

Other regulations: No Information.

XVI. OTRA INFORMACION

Products included in this safety data sheet (identified by their code): 33331-900

HMIS (Hazardous Material Information System)

Health: 3 – Serious

Flammability: 0 – Non Flammable

Reactivity: 0 – No danger

Personal protection: B

NFPA (National Fire Protection Association)

Health: 3 – Serious

Flammability: 0 – Non Flammable

Reactivity: 0 – No danger

Personal protection: N/A

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.