

SAFETY DATA SHEET

DATE: 27/04/2026

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 INTENSASAFE PERACET**

Code: 539-33400

Kind: Cleaner

Brand: NIT

II. CLASSIFICATION

Class

Class 5.1	Oxidizing liquids	May intensify fire
Class 5.2	Organic Peroxide	Heating may cause a fire.
Class 8	Corrosive	Causes severe skin burns and eye damage.
Class 9	Miscellaneous	Hygiene product ecotoxic / mild to moderate irritant.

III. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Hazardous components</u>	<u>No CAS</u>	<u>% P/P</u>
Glacial acetic acid	64-19-7	20-30
Peracetic acid	79-21-0	10-20
Hydrogen peroxide	7722-84-1	2.5-10
Phosphonic acid	13598-36-2	<0.1

IV. HEALTH RISK

General Emergency Summary: Heating may cause a fire. Causes severe skin burns and eye damage. Harmful if swallowed. Toxic if inhaled. May be harmful in case of contact with skin. Very toxic for aquatic organisms. Harmful to aquatic organisms with long-lasting harmful effects.

Ingestion: May cause burns to the mouth and gastrointestinal system. May be harmful if swallowed.

Dermal contact: Direct contact with the skin can cause severe burns.

Inhalation: Toxic by inhalation. Inhalation may cause irritation of the respiratory tract (nose, mouth, mucous membranes).

Eye Contact: Direct contact with eyes can cause severe burns. If not removed immediately it can cause permanent eye damage. Mists and vapors may cause moderate to severe eye irritation. Risk of serious eye damage.

Primary routes of entry: Skin contact, Ingestion, Eye contact.

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. Do not induce vomiting. Call a doctor immediately.

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.

Dermal Contact: Seek medical advice. In case of contact with the substance, immediately rinse with plenty of water for at least 20 minutes. Contaminated clothing can be a fire hazard when dried. Remove material from skin immediately. Avoid spreading the material on unaffected skin. Contaminated clothing can be a fire hazard when dried. Wash skin immediately with soap and water. Remove and isolate contaminated clothing and footwear. In case of burns, immediately cool the affected skin for as long as possible with cold water. Seek medical advice. Do not remove clothing that is stick to the skin.

Eye contact: If the material falls into the eyes, rinse immediately with plenty of water for 20 minutes. Seek medical attention if irritation persists.

VI. FIRE AND EXPLOSION HAZARDS

Flashpoint (°C): 93

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

Recommended extinguishing agents: Carbon dioxide, Chemical powder, Fog, foam

Explosion and Fire Hazards: Runoff to sewer may create fire or explosion hazard. This material increases the risk of fire and may aid combustion. Heating may cause a fire. May re-ignite itself after fire is extinguished. Hazardous decomposition may occur.

Firefighting procedure: Do not use a solid water stream as it may scatter and spread fire. Evacuate personnel to safe areas. In the event of fire and/or explosion do not breathe fumes. In the event of fire, cool tanks with water spray. In the event of fire, wear self-contained breathing apparatus. 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.

Dangerous combustion products: Carbon monoxide and dioxide.

VII. ACCIDENTAL RELEASE MEASURES

In case of spill or leak: Absorb with moist, non-combustible inert material. Use clean, non-sparking tools and place the material in loosely capped containers covered with plastic for later disposal. Contact the proper local authorities. DO NOT CLEAN OR DISPOSE, EXCEPT UNDER THE SUPERVISION OF A SPECIALIST. Cover with dry sodium carbonate. Flush into sewer with plenty of water. Flush with water. Keep combustible materials (wood, paper, oil, etc.) away from spilled material. Do not touch damaged containers or spilled material, unless you are wearing appropriate protective clothing. Prevent entry into waterways, sewers, basements or confined areas. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). not allow to enter drains, sewers, or sewers.

Waste Disposal: Do not dispose of waste into surface water or storm sewer system. If it cannot be recycled, dispose of it according to local regulations.

VIII. HANDLING AND STORAGE

Storage temperature: Store at temperatures NOT higher than 25°C

Handling instructions: Handle in accordance with good industrial hygiene and safety practice. Keep away from open flames, hot surfaces and sources of ignition. To avoid the risk of formation of shock-sensitive crystals or loss of stability, it is important to store the product within the recommended temperature range. Temperature control may be required. Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store at temperatures not exceeding 25 °C/77 °F. Eliminate all ignition sources. Separate from reducing agents and combustible materials. Keep away from rust, iron and copper. Keep container tightly closed and sealed until ready for use. Prevent product contamination. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use. 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: Store separately. Store in accordance with local regulations. Store in a segregated and approved area. Store in the original container protected from direct light and sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 11) and food and drinks. Eliminate all ignition sources. Separated from reducing agents and combustible materials. Keep away from rust, iron and copper. Keep container tightly closed and sealed until ready to use. Prevent product contamination. Containers that have been opened should be carefully resealed and kept upright to prevent leaks. Do not store in unlabeled containers. Use appropriate containment to avoid environmental damage and contamination. See Section 11 for incompatible materials before handling or use. Keep container tightly closed. Keep in a dry, cool and well-ventilated place. Once the product has been used, the container must be carefully resealed and kept in a vertical position to avoid leaks.

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.

IX. PHYSICAL AND CHEMICAL PROPERTIES

Color: yellowish

Appearance: Liquid

Odor: characteristic

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

Vapor density (air = 1.0): >1.0

Water solubility: Soluble

Density, lowest value depending on color, (g/mL): 1.027

pH: 2-3.5

Flashpoint (° C): 93

Decomposition temperature (° C): 55

XI. STABILITY AND REACTIVITY

Stability: Stable under recommended storage conditions. Protect from contamination. Contact with incompatible substances can cause decomposition at or below SADT. Heat, flames and sparks. Avoid confinement.

Risk of dangerous polymerization: No

Incompatibility: Accelerators, strong acids and bases, heavy metals and heavy metal salts, reducing agents Reactive or incompatible with the following materials: combustible materials, reducing materials, copper, iron, rust. Keep away from strong oxidizing agents, heat and open flames.

Thermal decomposition products: Irritant, caustic, flammable, noxious/toxic gases and vapours can develop in the case of fire and decomposition Thermal decomposition can lead to release of 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>Name</u>	<u>No CAS</u>	<u>Oral LD50</u>	<u>Vapor LC 50</u>	<u>Dermal LD 50</u> <u>(mg/kg)</u>
Peracetic acid	79-21-0	1000	5	1500
Phosphonic acid	13598-36-2	>5000	>20	>5000

Dermal toxicity of the product 2386.95 mg/kg

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: ORGANIC PEROXIDE TYPE D, LIQUID (PEROXYACETIC ACID, TIPE D)

UN number: 3105

Class: 5.2 (8)

Packing group: II

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): 33400-900

HMIS (Hazardous Material Information System)

Health: 3 – Serious

Flammability: 2 –Flammable

Reactivity: 4 – Highly reactive

Personal protection: H

NFPA (National Fire Protection Association)

Health: 3 – Serious

Flammability: 2 –Flammable

Reactivity: 4 – Highly reactive

Personal protection: OX

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.