

# SALPRO™

## 2500

### SAFETY DATA SHEET

VERSION/REVISION: 03

DATE OF ISSUE: 4/26/2022

#### 01 PRODUCT INFORMATION

##### GHS Product Identifier

SALPRO™ 2500

##### REACH Registration number

This product is a mix. REACH number see **section 3**.

##### Use recommendations and restrictions of the chemical product:

Non nutritional additive. Bacteriostatic, preservative.

##### Supplier's information (name, address, telephone, etc.)

- Neophos S.A
- Av. Cabildo 642, Piso 5, Oficina 504, (C1426AAT) Buenos Aires, Argentina.
- Telephone: +54 11-4776-0244
- E-mail: [info@neophos.com.ar](mailto:info@neophos.com.ar)

##### Contact number in case of emergencies

Centro Nacional de Intoxicaciones Hospital Nacional "Prof. Alejandro Posadas" (National Center of Intoxications National Hospital "Prof. Alejandro Posadas"): 0-800-333-0160  
Av. Presidente Illia y Marconi Zip Code 1684 - El Palomar

Centro de Emergencias Toxicológicas Hosp. Italiano de Buenos Aires (Toxicology Emergency Center, Italian Hospital of Buenos Aires): Phone: (+54 11)4959-0436 or 4959-0200 Int. 8285/9337 Gascón  
450 - Zip Code 1181 - Autonomous City of Buenos Aires.

- DEGESCH America, Inc.
- 153 Triangle Dr.
- P.O. Box 116
- Weyers Cave, VA 24486 USA
- Telephone: (540) 234-9281 / 800-330-2525
- Telefax: (540) 234-8225
- [www.degeschamerica.com](http://www.degeschamerica.com)
- [degesch@degeschamerica.com](mailto:degesch@degeschamerica.com)

##### Emergency telephone number

For human or animal emergencies: 1-800-308-4856 (Rocky Mountain Poison and Drug Center)

For all other chemical emergencies: 1-800-424-9300 (Chemtrec)

Emergency and Information - DEGESCH America, Inc.: (540) 234-9281 / 800-330-2525



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Incr. En SENASA 2019-16/A/I

## 02 HAZARD INFORMATION

### GHS classification of the substance or mixture and any national or regional information

This mix is not qualified as hazardous by the European Union legislation.

### GHS label elements

CE Reglamentation N° 1272/2008. This is not a hazardous mix according to the CE reglamentation N° 1272/2008. Abridged labelling (125 ≤ml). Not required

### Other hazards not registered in the classification

No other hazards known.

## 03 COMPOSITION / INFORMATION FROM INGREDIENTS

INGREDIENT NAME	HAZARDOUS INGREDIENTS (EC N°)	MIX OF CONC. (WT%)	CAS N°
Formic Acid	1272/2008	≥ 45% - < 55%	64-18-6
Propionic Acid	1272/2008	≥ 15% - < 18%	79-09-4
Sodium Formate	1272/2008	≥ 25% - < 35%	141-53-7

## 04 FIRST-AID MEASURES

### Description of necessary measures

- 1) Inhalation: Breathe in fresh air. Call the doctor immediately. In case of respiratory arrest: immediately start artificial respiration. Apply oxygen supply if necessary
- 2) Skin contact: Instantly take off all contaminated garments. Rinse skin with water/shower. Call a doctor immediately
- 3) Eye contact: Rinse the eyes with abundant water. Call ophthalmologist immediately. In case of wearing contact lenses, carefully remove them.
- 4) Ingestion: Drink water (2 glasses max.) avoid vomiting (stomach perforation risk) Contact a doctor immediately. Do not proceed to neutralization test.

### Most important symptoms and effects, both acute and delayed

- Risk of blindness
- Conjunctivitis, Dermatitis
- Irritation and corrosion. Coughing, respiratory insufficiency

### Indication of any immediate medical attention and special treatment needed

Provide the doctor with the label of the product.

## 05 FIREFIGHTING MEASURES

### Adequate / Inadequate extinguishing media

- Water, Carbone dioxide (COD2), foam, Dry chemical powder.
- There are no limitations of extinguishing agents for this substance/mix.

### Specific Risk

- Mixing with hazardous ingredients, carbon oxides.
- The vapors are denser than air and can expand along the floor.
- In case of fire, possible formation of combustion gases or acetic acid vapors.

### Special protective equipment and special precautions for fire-fighting equipment

- Special protective equipment.
- In case of fire, breath through a self-contained breathing apparatus.

### Other information

- Avoid the contamination of superficial and underground water by water that has been used for re extinguishing.
- Cool down previously used hazardous recipients spraying water.

## 06 ACCIDENTAL RELEASE MEASURES

### Methods and material for containment and cleaning up

- Cover the drains. Collect, unify and aspirate the release.
- Observe possible restrictions for materials (See **sections 7 and 10** for indications).
- Use absorbent and neutralizing materials to wipe up releases. Proceed to the disposal of residues

### Reference to other sections

- For instructions on waste treatment, see **section 13**.

## 07 HANDLING AND STORAGE

### Handling advises:

- Work under vapor extraction hood.
- Avoid the inhalation of the substance / mix. Avoid the generation of vapors / aerosols.
- Follow label indications.

### Safe storage conditions (included any incompatibilities):

- Keep away from open flames, hot surfaces and sources of fire.
- Take precautionary measures against electric shocks.

#### Technical requirements for recipients:

- Avoid metallic recipients.

#### Storage conditions:

- Possible decomposing with formation of gaseous products, especially after long storage periods.
- Close the recipient avoiding depressurization (e.g., with safety valve). Keep dry.
- Keep the recipient in a properly ventilated space, away from heat and sources of fire.
- Keep the recipient in an enclosed area only accessible to qualified personnel. Protected from light.

## 08 EXPOSURE CONTROLS / PERSONAL PROTECTION

#### Control parameters

Formic Acid (64-18-6)

The threshold limit value is 10 ppm as a short-term exposure limit, complying with ACGIH.

The legal permissible exposure limit is 5 ppm averaged for an 8-hour work shift, complying with OSHA.

#### Appropriate engineering controls:

Technical measures and observation of appropriate working methods takes precedence over the use of personal protective equipment.

See **section 7**.

#### Personal protective measures:

Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled.

The protective equipment supplier must clarify the stability of the protective means against chemical substances.

#### Personal hygiene measures:

Replace contaminated clothing. Wash hands at the end of work.

- Eye/face protective gear:

Safety goggles should be tightly against the contour of the face.

- Hand protective gear:

Submersion: Glove material: Polychloroprene/Glove thickness: 0.65 mm

Splashes: Glove material: Natural latex/Glove thickness: 0.6 mm

The indicated heavy duty gloves must meet the required specifications of the 89/686/ECC directive with its resulting standard EN374.

- Respiratory protective gear:

Necessary in presence of vapors/ aerosols.

The maintenance, cleaning and technical testing of the respiratory protection equipment must be guaranteed in accordance with the instructions provided by the manufacturer.

Recommended filter type: E-(P3) Filter.

## 09 CHEMICAL CHARACTERISTICS

### Appearance

Physical state: Liquid.

Color: Colorless.

Odor: Pungent.

Odor Threshold: No information available.

pH: 2-3

Melting point / freezing point: -15 C°

Initial point and boiling range: +105 C°

Ignition temperature: 528°C Formic acid / 485°C Propionic acid

Evaporation rate: No information available.

Flammability (solid, gas): No information available.

Higher/lower flammability limit: No information available.

Lower explosion limit: 12% (V) Formic acid / 2% (V) Propionic acid.

Upper explosion limit: 38% (V) Formic acid / 12% (V) Propionic acid.

Vapor pressure: 0.4 kPa

Vapor density: No information available.

Relative density: Approx. 1.2 - 1.25 gr / cm<sup>3</sup>

Solubility in water: Soluble.

Partition coefficient n-octanol / water: No applicable for mixture.

Decomposition temperature: No information available.

Explosive properties: Not classified as explosive.

Oxidizing properties: None

## 10 STABILITY AND REACTIVITY

### Reactivity

- Reactions with bases present danger of exothermic reactions.
- Steam/ water mixes show explosive reactions when intensely heated

### Chemical stability

- The product is chemically stable under normal storage conditions (at room temperature).

### Possibility of hazardous reactions

- During storage and handling, according to the regulations, no dangerous reactions are presented.

### Possible violent reactions

- Oxidizing agents, Reducing agents, Phosphorus trichloride, Alkalis.

**Danger of ignition or formation of inflammable gases or vapors with:**

- Metals, Iron, Zinc, Magnesium, Lead

**Conditions to avoid:**

- Heat
- Keep away from flames, sparks and sources of heat

**Hazardous decomposition products:**

- No hazardous decomposition products are presented, if storage and handling regulations are taken into account.

## 11 EXPOSURE CONTROL / PERSONAL PROTECTION

Symptoms related to physical, chemical and toxicological characteristics: Mixture.

Acute oral toxicity: Moderate after a minimum intake.

Acute toxicity by inhalation: Moderate after a short period of inhalation.

Acute dermal toxicity: Practically non-toxic after a single contact.

Skin irritation: Moderate irritation.

Eye irritation: Mixture causes severe eye irritation.

Sensitization: This information is not available.

Germ cell mutagenicity: This information is not available.

Carcinogenicity: This information is not available.

Reproductive toxicity: No data available.

Teratogenicity: This information is not available.

Specific toxicity in certain organs - single exposure: This information is not available.

Specific toxicity in certain organs - repeated exposure: This information is not available.

Inhalation hazard: Slightly toxic in short periods.

**Other indications:**

Handle with appropriate industrial hygiene precautions, and respect safety practices.

**Ingredients:**

Formic Acid

**Acute Oral toxicity:**

- LD50 Rat: 730 mg/kg, OECD Test guidelines 401

**Acute inhalation toxicity:**

- LC50 Rat: 7.85 mg/l; 4 h, vapor, OECD Test guidelines 403

**Acute dermal toxicity:**

- LD50 Rabbit: 500 mg/kg, OECD Test guidelines 402

Propionic acid

Acute Oral toxicity:

- LD50 Rat: 3455.1 mg/kg, OECD Test guidelines 401

Acute inhalation toxicity:

- LC50 Rat: >19.7 mg/l; 4 h, vapor, OECD Test guidelines 403

Acute dermal toxicity:

- LD50 Rat: 3,235 mg/kg, OECD Test guidelines 402

## 12 ECOTOXICOLOGICAL INFORMATION

Ecotoxicity: No information available.

Persistence and degradability: The constituent decompose easily.

Bioaccumulative potential: This product does not bioaccumulate in the environment.

Mobility in soil: The product is completely soluble in water.

Results of PBT and vPvB assessment: The substance (s) in the mixture do not meet the PBT or vPvB criteria according to Regulation (EC) no. 1907/2006, annex XIII.

The disposal of waste into the atmosphere must be avoided.

Other adverse effects:

Formic Acid

Toxicity to fish

- LC50 Leuciscus idus (Goldfish): 46 - 100 mg/l; 96 h (IUCLID)

Toxicity to daphnia and other aquatic invertebrates

- EC50 Daphnia magna (Water flea): 34.2 mg/l; 48 h (IUCLID)

Toxicity to algae

- IC50 Desmodesmus subspicatus (Green algae): 27 mg/l; 72 h (Literature)

Toxicity to bacteria

- EC10 activated sludge: 72 mg/l; 13 d.

Biodegradability

- 100%; 28 d; aerobic OECD TG 301 C o Easily biodegradable

Bioaccumulative potential

- Partition coefficient n-octanol/water log Pow: -2.1 (23°C)
- OECD Test guidelines 107

Propionic Acid

#### Toxicity to fish

- CL50 *Leuciscus idus* (Goldfish), static test: >10,000 mg/l; 96 h DIN 38412

#### Toxicity to daphnia and other aquatic invertebrates

- CE50 *Daphnia magna* (Water flea), static test: 500 mg/l; 48 h

#### Toxicity to algae

- IC50 *Desmodesmus subspicatus* (Green algae), static test: >500 mg/l; 72 h

#### Toxicity to bacteria

- EC10 activated sludge, static test: >100 mg/l; 13 min.

#### Biodegradability

- 74%; 30 d; aerobic (ECHA)
- Easily biodegradable

#### Bioaccumulative potential

- Partition coefficient n-octanol/water log Pow: 0.29 (experimentally)  
Bioaccumulation is not expected

## 13 INFORMATION REGARDING THE DISPOSAL OF THE PRODUCT

- Methods for waste treatment.
- It constitutes a hazardous waste.
- Waste must be disposed of in accordance with the waste directive 2008/98 / EC as well as with other local or national regulations. Keep the chemicals in their original containers.
- Do not mix with other waste. Handle dirty containers like the product itself.

## 14 INFORMATION REGARDING THE TRANSPORT OF THE PRODUCT

- Information related to transportation.
- Road transport (ADR / RID): Non-hazardous product according to the criteria of the transport regulations.
- Fluvial transport (DNA): Not relevant.
- Air transport (IATA): Non-hazardous product according to the criteria of the transport regulations. Maritime transport (IMDG): Non-hazardous product according to the criteria of the transport regulations.
- Bulk transport (conform Annex II MARPOL convention and the IBC regulation).

## 15 REGULATORY INFORMATION

Specific provisions on safety, health and the environment:

- Labelled according to GHS directives
- Storage class: 10-13
- Chemical Safety Assessment: For this product, a chemical safety assessment was not carried out.

## 16 OTHER INFORMATION

- Advice regarding training. It must provide workers with sufficient information and practical training.
- An explanation on abbreviations and acronyms used in safety data sheet. Abbreviations and acronyms used can be checked on [www.wikipedia.org](http://www.wikipedia.org)
- The information provided on this Safety Data Sheet is correct to the best of our knowledge and belief we have to date. The information given is intended only as a guide for safe handling, storage, processing, transport and disposal and is not to be considered as a warranty or quality specification. The information relates only to the specific product and cannot be used in combination with other products or processes.