# V.CLEAN 411

## SAFETY DATA SHEET

### 1 – IDENTIFICATION

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| Product Identification: | **V.CLEAN 411** |
| Main application: | RO, Nanofiltration, Ultrafiltration Membranes cleaning<br>Boiler, coooling, chiller… cleaning<br>Remove organic scales, rusty, silica colloidals… in water-used system |
| Manufacturer's information: | PROCIS CO., LTD<br>Add: #C13, Vinachem living quarter, lane 34, Nghia Do road, Nghia Do ward, Hanoi<br>Tel./fax: 024.3756.1695<br>Email: VClean.procis@gmail.com |

### 2 – HAZARD IDENTIFICATION

**GHS classification**

| | | |
|---|---|---|
| Phisycal hazards: | Not classified | |
| Health hazards: | Skin irritation: | Class 2 |
| | Eyes iritation: | Class 2 |
| | Respiratory sensitivity: | Not classified |
| Environmental hazards: | Not classified | |

**GHS label elements, including precautionary statements**

Pictograms:



Signal word: WARNING

Hazard statements:
Skin & Eyes Irritation
Hazardous upon contact with eyes (causing irritation).
Mildly hazardous upon contact with skin (causing irritation to sensitive skin) and upon ingestion.
The degree of danger depends on the duration of contact.
Prolonged contact with eyes may cause keratitis.
Prolonged contact with skin may cause swelling and blistering.
Ingestion of large amounts may cause shock and be dangerous to the digestive system

Prevention: Work outdoors or in a well-ventilated area. Do not inhale smoke, dust, gases, mists, vapors, or sprays of the product. Wear a respirator, (rubber) gloves, safety glasses, and face protection when handling the product. Wash your hands thoroughly after work. Do not remove contaminated clothing from the work area after use.

### 3 – COMPOSITION, INFORMATION ON INGREDIENTS

Substances or mixture: water-based liquid mixture

| Chemical name | # CAS | Chemical formular | Concentration (% w) |
|---|---|---|---|
| Na-EDTA | 139-33-3 | C10H14N2Na2O8 | ≤ 15 |
| STPP | 7758-29-4 | Na5P3O10 | ≤ 5 |
| Surfactant & additives | --- | --- | ≤ 5 |
| Water | 7732-1-85 | H2O | ≥ 75 |

## 4 – FIRST-AID MEASURE

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| Eye contact: | Immediately flush eyes with plenty of water for at least 15 minutes. Continue rinsing. Get medical attention if irritation develops and persists. |
| Skin contact: | Wash off with soap and water. Get medical attention if irritation develops and persists. |
| Ingestion: | Do not attempt to induce vomiting without a doctor's instruction. Seek medical advice. |
| Inhallation: | Move to a well-ventilated area and administer artificial respiration or oxygen if breathing is difficult. Seek medical advice. |
| Typical symptoms: | Skin irritation and blistering, eye burns. |
| Notes to physician: | None |

## 5 – FIRE FIGHTING MEASURE

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| Fire and explosion characteristics: | It does not spontaneously ignite and will not catch fire upon contact with a heat source. |
| Specific hazards arising from the chemical: | At high temperatures (during a fire), some components may decompose, producing NOx & COx gas. |
| Suitable extinguishing media: | No special regulations |
| Special fire fighting equipment/instructions: | None |
| Protective equipment and precautions for firefighters: | Use standard firefighting procedures. |

## 6 – ACCIDENTAL RELEASE MEASURE

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| Small Spills: | Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly with water to remove residual contamination |
| Large Spills: | Isolate the spilled area, attempt to recover the product into wastewater containers for disposal, and clean the spilled area with water. The recovered product should not be reused. |
| Environmental precautions: | Avoid spills and leaks to prevent contamination of water. Do not discharge directly into drains or onto the ground. Notify authorities if spills cannot be controlled. |
| Personal precautions: | Wear appropriate protective equipment and clothing during clean-up. |

## 7 – HANDLING AND STORAGE

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| Precautions for safe storage: | Store in a cool, dry place, away from high temperatures (> 35°C), direct sunlight, and acidic environments. Keep in an alkali-resistant plastic container. |
| Precautions for safe handling:: | Wear appropriate protective glove, equipment and clothing during handling. |

## 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

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| Exposure limit: | There are no specific limits regarding chemical exposure. |
| Appropriate engineering control measures: | Chemical safety glasses. Protective clothing, respirator, gloves, and rubber boots. |
| Personal hygiene: | Do not eat, drink, or smoke while working with chemicals. Use only according to safety and hygiene regulations. Always maintain good personal hygiene. Wash work clothes and protective gear to remove contaminants. Provide eyewash stations and showers at the workplace. |

## 9 – PHYSICAL AND CHEMICAL PROPERTIES

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|---|---|
| Physical property | Clear to pale yellow liquid |

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|---|---|
| Odor | None |
| pH (product) | 12.0 ± 0.5 |
| Specific Gravity | 1.15 ± 0.05 |
| Freezing point | Not applicable |
| Boiling point | Not applicable |
| Evaporation point | Not applicable |
| Flammability | None |
| Solubility | Soluble in water |

## 10 – STABILITY AND REACTIVITY

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|---|---|
| Stability: | The product is highly stable under proper storage conditions. The average shelf life is 2 years from the date of manufacture.. |
| Reactivity: | It is slightly alkalinity. |

## 11 – TOXICOLOGY INFORMATION

**Acute toxicity:**

| Product | | | | | |
|---|---|---|---|---|---|
| V.CLEAN 411 | LD50 | 10,000 | mg/kg | Rat | Oral |

**Information on likely routes of exposure:**

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|---|---|
| Chronic: | None |
| Cancer: | None |
| Others: | None |

## 12 – ECOLOGICAL INFORMATION

| Product | |
|---|---|
| - V.CLEAN 411 | The product is not classified as environmentally hazardous |
| Ecological impact: | The product decomposes in an aquatic environment. |
| BOD/COD index: | No information |
| Biodegradability: | No information |

## 13 – DISPOSAL CONSIDERATION

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| Disposal: | Do not discharge directly into sewers; treat it as wastewater contaminated with organic acids. |
| Special precautions: | The waste should be processed in authorized solid waste treatment facilities, and reuse should be permitted. |

## 14 – TRANSPORTATION

Classify by the Circular 04-2012-TT-BCT: Eye & skin irritation subatance

UN. Number: Not applicable. Non-dangerous liquid.

Pictograms:



WARNING – Eye & Skin Irritation

## 15 – REGULATORY INFORMATION

In Vietnam: Not regulated

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|---|---|
| Montreal Protocol: | Not regulated |
| Rotterdam Convention: | Not regulated |
| Stockholm Convention: | Not regulated |

## 16 – OTHER INFORMATION

| | |
|---|---|
| Special warning: | None |
| Reference: | None |
| Release date: | Version 3 - June / 2025 |
| Issued by: | PROCIS CO., LTD |

Note: The information above is considered accurate based on our information and understanding at the time of publication. Users should conduct their own research and use the product according to the instructions.