V.CLEAN 401

SAFETY DATA SHEET

1 – IDENTIFICATION

Product Identification:	**V.CLEAN 401**
Main application:	RO, Nanofiltration, Ultrafiltration Membranes cleaning Boiler, coooling, chiller… cleaning Remove innorganic scales, rusty, metal oxides… in water-used system
Manufacturer's information:	PROCIS CO., LTD Add: #C13, Vinachem living quarter, lane 34, Nghia Do road, Nghia Do ward, Hanoi Tel./fax: 024.3756.1695 Email: VClean.procis@gmail.com

2 – HAZARD IDENTIFICATION

GHS classification

Phisycal hazards:	Not classified	
Health hazards:	Skin irritation:	Class 3
	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
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)
Citric Acid	77-92-9	C6H8O7	≤ 20
Surfactant & additives	---	---	≤ 5
Water	7732-1-85	H2O	≥ 75

4 – FIRST-AID MEASURE

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:	Eye & skin irritation if long expose / contact
Notes to physician:	No

5 – FIRE FIGHTING MEASURE

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 COx gas.
Suitable extinguishing media:	Extinguish with foam, carbon dioxide, dry powder or water fog
Special fire fighting equipment/instructions:	None
Protective equipment and precautions for firefighters:	Use standard firefighting procedures and consider the hazards of other involved materials.

6 – ACCIDENTAL RELEASE MEASURE

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

Precautions for safe storage:	Store in a cool, dry place, away from high temperatures (> 40°C), direct sunlight, and alkaline environments. Keep in plastic containers. Do not store in containers made of corrosive materials such as iron, aluminum, or zinc.
Precautions for safe handling::	Wear appropriate protective glove, equipment and clothing during handling.

8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limit:	There are no specific limits regarding chemical exposure. Adequate ventilation is required. Areas where chemicals are stored and worked should have a water tap for eyewashing and sanitation in case of an accident.
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

Physical property	Clear liquid
Taste & odor	Characteristic
pH (product)	2.0 ± 0.5
Specific Gravity	1.08 ± 0.05
Freezing point	Crystilization ~ 5 ^{0}C, freeze ~ (-10) ^{0}C

Boiling point	103 ÷ 108 ^{0}C
Evaporation point	Not applicable
Flammability	None
Solubility	Soluble in water

10 – STABILITY AND REACTIVITY

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 acidic, corrosive to aluminum, zinc, and concrete; slowly corrosive to iron; and non-corrosive to copper, stainless steel, and plastics.

11 – TOXICOLOGY INFORMATION

Acute toxicity:

Product					
V.CLEAN 401	LD50	27,000	mg/kg	Rat	Oral

Information on likely routes of exposure:

Chronic:	None
Cancer:	None
Others:	None

12 – ECOLOGICAL INFORMATION

Product	
- V.CLEAN 401	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

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
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.