



Safety Data Sheet

1 – PRODUCT IDENTIFICATION

PRODUCT NAME:.....**4895**
PRODUCT NUMBER:4895
DESCRIPTION:Cooling Water Treatment
OTHER MEANS OF IDENTIFICATION:Colorless liquid with mild odor.
RECOMMENDED USE:All proper and legal purposes.
RESTRICTIONS ON USE:Use only as directed.

COMPANY:..... CHEMTRON CORPORATION
3500 Harry S. Truman Blvd
St. Charles, MO 63301
636-940-5445 (Mon-Fri., 8:00-4:00)
www.chemtroncorporation.com

EMERGENCY PHONE:(800) 424-9300 (CHEMTREC)
REVISION DATE:January 24, 2018

2 – HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:.....Colorless liquid with mild odor.

CLASSIFICATION 29 CFR 1910.1200:Product is hazardous by OSHA criteria.

PHYSICAL HAZARDS:Not classified

HEALTH HAZARDS:
Acute Toxicity (oral)category 4
Skin Corrosion/Irritationcategory 1A
Serious Eye Damage/Irritationcategory 1



GHS SIGNAL WORD:**Danger**



Safety Data Sheet

GHS HAZARD STATEMENTS:.....Harmful if swallowed. Causes severe skin burns and eye damage. Causes serious eye damage. Harmful in contact with skin. Harmful if inhaled. Harmful if swallowed.

GHS PRECAUTIONARY STATEMENTS:.....Wear protective gloves/clothing and eye/face protection. Do not breathe dust/fume/gas/mist/vapors/spray. Do not eat, drink, or smoke when using this product. Wash hands thoroughly after handling. Use only outdoors or in a well-ventilated area.

3 – COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENT	PERCENT	CAS NUMBER
Phosphoric Acid	60-100	7664-38-2

The exact percent by weight of the ingredients in this formulation is proprietary.

4 – FIRST-AID MEASURES

BREATHING (INHALATION):..Remove person to fresh air and keep comfortable for breathing. Call a doctor if respiratory irritation persists (if you feel unwell).

SWALLOWING (INGESTION):..Call a physician or poison control center immediately. If swallowed: Rinse mouth. DO NOT induce vomiting. Keep head low so stomach content doesn't get into lungs.

EYES:.....Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses if present and easy to do. Continue rinsing. Call a physician or poison control center immediately.

SKIN (DERMAL):Remove all contaminated clothing immediately. Rinse skin with water/shower. Call a physician or poison control center immediately. Chemical burns must be treated by a physician. Wash contaminated clothing before reuse.

5 – FIRE-FIGHTING MEASURES

FLAMMABILITY OF PRODUCT:Not flammable

EXTINGUISHING MEDIA:.....Use extinguishing media suitable to surrounding fire.

SPECIFIC HAZARDS:Use water spray to keep containers cool.

SPECIAL FIRE FIGHTING PROCEDURES:Self contained breathing apparatus and full protective clothing must be worn in case of fire. Move containers from fire area if you can do so without risk. Use standard firefighting procedures and consider the hazards of other involved materials. No unusual fire or explosion hazards noted.



Safety Data Sheet

6 – ACCIDENTAL RELEASE MEASURES

SPILL PROCEDURES/PERSONAL PRECAUTIONS: Use Personal Protective Equipment.

CONTAINMENT AND CLEANING UP:Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains, and sewers. Contain and recover liquid when possible. Flush spill area with water spray. If reportable quantity is exceeded, report to national spill response office at (1-800-424-8802).

7 – HANDLING and STORAGE

HANDLING:.....Wear appropriate Personal Protective equipment (PPE) when handling this product. Do not get in eyes, or on skin and clothing. Wash thoroughly after handling. Do not ingest. Avoid breathing vapors, mist or dust.

STORAGE:Store away from incompatible materials (see section 10). Store at ambient temperatures. Keep container securely closed when not in use. Label precautions also apply to empty container. Recondition or dispose of empty containers in accordance with government regulations. For industrial use only.

8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS:

Components	Type	Value
Phosphoric Acid (CAS 7664-38-2) US ACGIH Threshold limit Values Components.	PEL	1 mg/m ³
Phosphoric Acid (CAS 7664-38-2) U.S. NIOSH: Pocket Guide to Chemical Hazards Components.	STEL TWA	3 mg/m ³ 1 mg/m ³
Phosphoric Acid (CAS 7664-38-2)	STEL TWA	3 mg/m ³ 1 mg/m ³

BIOLOGICAL LIMIT VALUES: There are no biological exposure limits noted for the ingredient(s).

PROTECTIVE CLOTHING:Wear chemical splash goggles or safety glasses with full-face shield. Maintain eyewash fountain in work area. Maintain quick-drench facilities in work area. Wear butyl rubber or neoprene gloves. Wash them after each use and replace as necessary. If conditions warrant, wear protective clothing such as boots, aprons, and coveralls to prevent skin contact.

ADDITIONAL MEASURES:.....General exhaust ventilation is adequate. Employ work practices and product transfer practices that avoid spills, drips, or contact with incompatible material.

GENERAL HYGEINGE:Keep away from food and drink. Always observe good personal hygiene measures, such as, washing after handling the material before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.



Safety Data Sheet

9 – PHYSICAL / CHEMICAL PROPERTIES

APPEARANCE:Clear, colorless liquid.
ODOR:None
VAPOR PRESSURE:.....Not Available
VAPOR DENSITY (AIR=1):Not Available
SPECIFIC GRAVITY:1.56-1.59
pH:<1.0 @ 20 C
SOLUBILITY IN WATER:Completely miscible in water.
FLAMMABILITY:Not Applicable
EVAPORATION RATE:.....< 1
MELTING POINT/FREEZING POINT: NA

10 – STABILITY and REACTIVITY

REACTIVITY:The product is stable and non reactive under stable conditions of use, storage, transport.
STABILITY:.....Material is stable under normal conditions.
INCOMPATIBILITY:Strong oxidizing agents. Bases, fluorine, reducing agents, sulfur trioxide, phosphorous pentoxide
HAZARDOUS DECOMP:Oxides of phosphorous

11 – TOXICOLOGICAL INFORMATION

LIKELY ROUTES OF EXPOSURE:Eye or skin contact.
TOXICOLOGICAL CHARACTERISTICS:Product may cause severe irritation to eyes. Prolonged or repeated contact may irritate skin. Inhalation of product as an aerosol mist may irritate respiratory system.
DELAYED EFFECTS:May cause skin irritation following repeated or prolonged contact.
IMMEDIATE EFFECTS:Eye irritation. Skin irritation possible upon prolonged or repeated exposure. Inhalation of product as an aerosol mist may irritate respiratory system.
CHRONIC EFFECTS:Not Known.
NUMERICAL MEASURES OF TOXICITY:No toxicology available on the formulated product.
LISTED CARCINOGEN:Product not considered to be a carcinogen.

PRODUCT	
Phosphoric Acid	LD50 Dermal 2740 mg/kg Rabbit LD50 Oral 1530 mg/kg Rat

12 – ECOLOGICAL INFORMATION

ECOTOXICITY: This product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

PERSISTENCE AND DEGRADABILITY:No information is available on the degradability of this product.
BIOACCUMULATIVE POTENTIAL:No Data Available



Safety Data Sheet

MOBILITY IN SOIL:.....No Data Available

PRODUCT	
Phosphoric Acid	LC50 48h 1649 mg/l Ceriodaphnia dubia LC50 96h 3536 mg/l Fathead Minnow LC50 48h 884 mg/l Mysid Shrimp LC50 96h 3491 mg/l Inland Silverside

13 –DISPOSAL CONSIDERATIONS

WASTE DISPOSAL:Collect reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.

HAZARDOUS WASTE CODE: ..The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

14 – TRANSPORTATION INFORMATION

UN NUMBER:UN1805

PROPER SHIPPING NAME:Phosphoric Acid Solution

TRANSPORT HAZARD CLASSES:8

PACKING GROUP:III

SPECIAL PRECAUTIONS FOR USER:Read safety instructions, SDS and emergency procedures before handling.

ERG NUMBER:154

DOT:



15 - REGULATIONS

US FEDERAL REGULATIONS:This product is a “Hazardous Chemical” as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA SECTION 12B EXPORT NOTIFICATION (40 CFR 707, Subpt. D): Not Regulated

CERCLA HAZARDOUS SUBSTANCE LIST(40 CFR 302.4): PHOSPHORIC ACID (CAS 7664-38-2)

SARA 304 EMERGENCY RELEASE NOTIFICATION: Not Regulated

OSHA SPECIFICALLY REGULATED SUBSTANCES: Not Listed

SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA)



Safety Data Sheet

Hazard categories.....Immediate Hazard – Yes
 Delayed Hazard - No
 Fire Hazard - No
 Pressure Hazard – No
 Reactivity Hazard - No

SARA 302 EXTREMELY HAZARDOUS SUBSTANCE: Not Listed.

SARA 311/312 HAZARDOUS CHEMICAL:No

SARA 313 (TRI REPORTING): Not Regulated.

OTHER FEDERAL REGULATIONS:

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List: Not Regulated
 Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): Not Regulated

Safe Drinking Water Act (SDWA): Not Regulated
 FEMA Priority Substances Respiratory Health and Safety in the Flavor
 Manufacturing Workplace: PHOSPHORIC ACID (CAS 7664-38-2) High priority

US STATE REGULATIONS:

US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100): Not Listed

US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a)) PHOSPHORIC ACID (CAS 7664-38-2)
 US. Massachusetts RTK - Substance List PHOSPHORIC ACID (CAS 7664-38-2)

US. New Jersey Worker and Community Right-to-Know Act PHOSPHORIC ACID (CAS 7664-38-2)

US. Pennsylvania Worker and Community Right-to-Know Law PHOSPHORIC ACID (CAS 7664-38-2)

US. Rhode Island RTK PHOSPHORIC ACID (CAS 7664-38-2)

US. California Proposition 65 California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

INTERNATIONAL INVENTORIES:

Country's or Region	Inventory Name	On Inventory (yes/no)
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of	Yes



Safety Data Sheet

	Existing Commercial Chemical Substances (EINECS)	
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes

'A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16 – OTHER INFORMATION

NFPA HAZARD RANKING

HEALTH	FIRE	REACTIVITY	SPECIAL
3	0	0	none

HMIS HAZARD RANKING

HEALTH	FIRE	REACTIVITY	PPE
3	0	0	n & p or X (defined below)

n - splash goggles

p - gloves

X - consult supervisor



Safety Data Sheet

This data is offered in good faith and believed to be accurate, but it is for the users to satisfy themselves of the product suitability for their own purpose. There is no warranty expressed or implied. The recommended hygiene and safe handling procedures are believed to be generally applicable.