

Product 5494
 Revision Date 08/12/201
 Revision 3



Safety Data Sheet

SECTION 1: IDENTIFICATION

Product Name	5494
Identifier Uses	Cleaner.
Supplier	Chemicals Inc. 13560 Colombard Court Fontana, California 92337 Tel: 951-681-9697
Website	info@cheminc.com
Emergency Telephone	24-HOUR EMERGENCY TELEPHONE: INFOTRAC: 1-800-535-5053 INTERNATIONAL#: 1-352-323-3500

SECTION 2: HAZARDS IDENTIFICATION

Appearance	Colorless liquid.
Color	Colorless.
Odor	Odorless.

Pictogram(s)



Signal Word	Warning
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Hazard Statements	H303 May be harmful if swallowed H315 Causes skin irritation. H319 Causes serious eye irritation.
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Precautionary Statements	P280 Wear protective gloves/protective clothing/eye protection/face protection. P302 + P352 IF ON SKIN: Wash with plenty of soap and water. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 Immediately call a POISON CENTER or doctor/physician
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Contains	potassium hydroxide phosphonic acid phosphoric acid ... %, orthophosphoric acid ... %
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GHS Classification	
Physical and Chemical Hazards	Not classified
Human Health	Acute Tox 5 - H303, Eye Irrit. 1 - H319, Skin Irrit. 2 - H315
Environment	Not classified

OSHA Regulatory Status	This product is Hazardous under the OSHA Hazard communication Standard.
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Inhalation	Inhalation of vapors or fumes may cause slight to moderate irritation to mucous membranes and respiratory tract.
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Ingestion	Exposure to liquid product is not expected to result in significant adverse effects.
Skin contact	Exposure to liquid product may be slightly irritating to skin. Symptoms of

Eye contact

exposure may include redness, itchiness, swelling or pain.

Exposure to liquid product may cause moderate irritation to eyes. Symptoms of exposure may include redness, swelling, tearing or pain.

Routes of Exposure

No Information available.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Composition Comments safety	Confidential business information has been removed without affecting the overall information on the safety data sheet.
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SECTION 4: FIRST AID MEASURESDescription of first aid measures

General Information	General first aid, rest, warmth and fresh air.
Inhalation	If this product is inhaled and symptoms occur, move the exposed person to fresh air promptly. Seek medical attention if symptoms persist.
Ingestion	If this product is ingested, drink small amounts of water and seek medical attention promptly. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.
Skin contact	If this product contacts the skin, immediately flush the affected area with soap and water for at least fifteen (15) minutes. If the product penetrates the clothing, promptly remove the contaminated clothing or shoes, and flush the affected area as described. Seek medical attention if irritation persists.
Eye contact	If this product contacts the eyes, immediately flush eyes with plenty of clean running water for at least fifteen (15) minutes, lifting the upper and lower eyelids occasionally. Remove contact lenses if worn. Seek medical attention if irritation persists.

Most important symptoms and effects, both acute and delayed

General Information	No information available
Inhalation	Inhalation of vapors or fumes may cause slight to moderate irritation to mucous membranes and respiratory tract.
Ingestion	Exposure to liquid product is not expected to result in significant adverse effects.
Skin contact	Exposure to liquid product may be slightly irritating to skin. Symptoms of exposure may include redness, itchiness, swelling or pain.
Eye contact	Exposure to liquid product may cause moderate irritation to eyes. Symptoms of exposure may include redness, swelling, tearing or pain.
Routes of Exposure	No Information available.

Most important symptoms and effects, both acute and delayed

Notes to the Physician clinical	Treatment of overexposure should be directed at the control of symptoms and the condition of the patient.
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SECTION 5: FIREFIGHTING MEASURES

Auto Ignition Temperature (°C) available. Flammability Limit - Lower (%) Information available. Flammability Limit - Upper (%) Information available. Flashpoint available.	No Information No No No Information
Extinguishing Media	Use water, foam, dry chemical or carbon dioxide to extinguish fire.
Hazardous combustion products	Combustion may lead to the release of phosphines, carbon monoxide, carbon dioxide and nitrogen oxide.
Unusual Fire & Explosion Hazards	Dried residue can thermally decompose, giving off irritating and possibly toxic fumes.
Special Fire Fighting Procedures	Use water to cool containers exposed to a fire.
Protective equipment for fire-fighters	Fire fighters should wear full protective equipment, and have self-contained breathing apparatus available.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions	Use proper personal protection (refer to Section 8).
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Environmental Precautions
municipal

Run off from fire control or dilution water may cause pollution. Keep out of drains, sewers, open bodies of water and water course.

Spill Clean Up Methods
personnel from

Safely stop source of spill. Clean up spills immediately. Restrict non-essential the area. Wear protective clothing, goggles and respirator if ventilation is not adequate. For small spills, dilute with large amounts of water and flush to sewer. For large spills, squeegee and collect the spillage or vacuum the spillage. Place collected spillage into containers for reuse or disposal. Dispose according to local, state or federal regulations at an approved

chemical waste reprocessing facility. Flush spill area with large amounts of water.

SECTION 7: HANDLING AND STORAGE

Handling	Use proper personal protection when handling (refer to Section 8). Use under well-ventilated conditions. Avoid contact with eyes, skin and clothing. Avoid breathing vapors and mists. Avoid prolonged or repeated contact. Do NOT ingest. Wash thoroughly after handling. Rinse container before disposal.
Usage Description	Use only according to directions.
Storage Precautions retested if	The recommended shelf life is two (2) years. It is recommended that products be stored for more than two (2) years. Under ideal storage conditions, the shelf life is almost indefinite.
Specific End Use(s)	The identified uses are in section 1 of this Safety Data Sheet.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Protective Equipment



Component	STD	TWA (8 Hrs)		STEL (15mins)		Notes
phosphoric acid ... %, orthophosphoric acid ... %	OSHA		1mg/m3			

Ingredient Comments

OSHA

Process Conditions Engineering Measures Respiratory Equipment

above the

Provide eyewash, quick drench.
General mechanical ventilation is recommended for enclosed areas.
Use of respirator protection is not generally required. However, if exposure is stated limits or ventilation is inadequate, use a NIOSH approved acid gas/organic vapor/respirator to reduce potential for inhalation exposure. When using respirator cartridges, they must be changed frequently to assure breakthrough exposure does not occur.

Hand Protection Eye Protection

shield is

Use rubber or plastic gloves to minimize skin contact.
To avoid contact with eyes, use safety glasses or chemical splash goggles. Face recommended. Eye wash station should be available in the work area.

Hygiene Measures

before

DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic Chemical and Physical Properties

Appearance	Clear, colorless liquid.
Color	Clear, colorless.
Odor	Odorless.
Odor Threshold -Lower	No Information available.

Odor Threshold - Upper	No Information available.
pH-Value, Conc. Solution	6.20
Melting point	32.0 °F
Initial boiling point and boiling range	212.0 °F

Flashpoint	No Information available.
Evaporation rate	No Information available.
Flammability State	No Information available.
Flammability Limit - Lower (%)	No Information available.
Flammability Limit - Upper (%)	No Information available.
Vapor pressure	No Information available.
Vapor Density (air=1)	No Information available.
Relative density	9.31 @ 68.0°F
Bulk Density	No Information available.
Solubility	Completely soluble in water.
Decomposition temperature	No Information available.
Partition coefficient; n-octanol/water	No Information available.
Auto Ignition Temperature (°C)	No Information available.
Viscosity	No Information available.
Explosive Properties	No information available.
Oxidizing Properties	No Information available.
Molecular Weight	No Information available.
Volatile Organic Compound	0.0

SECTION 10: STABILITY AND REACTIVITY

Reactivity	Reactions may occur with strong oxidizing materials, alkalis and amines.
Stability	This product is stable at ambient temperatures and atmospheric pressures.
Hazardous Polymerization and	Hazardous polymerization is not expected to occur under normal temperatures and pressures.
Hazardous Decomposition Products	Hazardous combustion results in oxides of phosphines, carbon monoxide, carbon dioxide, nitrogen oxide.
Conditions to Avoid	Avoid contact with strong oxidizers, alkalis and amines.
Materials to Avoid	Keep away from strong oxidizers, alkalis and amines.

SECTION 11: TOXICOLOGICAL INFORMATION

Toxicological Information	No toxicological information for the overall finished product.
Acute Toxicity (Oral LD50)	>2028.00mg/kg Rat

Acute Toxicity (Dermal LD50) >1006.00mg/kg Rabbit
Acute Toxicity (Inhalation LC50) No Information
available.

Skin Corrosion/Irritation No Information available.

Respiratory Sensitization No Information available.

Skin Sensitization No Information available.

Reproductive Toxicity: No Information available.

Germ Cell Mutagenicity:

Genotoxicity - In Vitro

Genotoxicity - In Vivo**Carcinogenicity:**

Carcinogenicity No Information available.
NTP - Carcinogenicity The product and its components are not listed.
OSHA - Carcinogenicity The product and its components are not listed.
IARC Carcinogenicity The product and its components are not listed.

Specific Target Organ Toxicity - Single Exposure:

STOT - Single Exposure No Information available.

Specific Target Organ Toxicity - Repeated Exposure:

STOT - Repeated Exposure No Information available.

Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
potassium hydroxide	284mg/kg Rat		

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity No Information available.

Acute Toxicity - Fish LC50 96 Hours >525.00ppm Onchorhynchus mykiss (Rainbow Trout)
Acute Toxicity - Aquatic Invertebrates No Information available.

Acute Toxicity - Aquatic Plants No Information available.

Degradability No information available.

Bioaccumulative Potential No data available on bioaccumulation. No data available on bioaccumulation.

Mobility Completely soluble in water.

Results of PBT and vPvB Assessment The product does not contain any PBT or vPvB substances.

Other Adverse Effects None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Management When handling waste, consideration should be made to the safety precautions applying to handling of the product.

Disposal Methods Do NOT dump into any sewers, on the ground or into any body of water. Rinse containers before disposal. Since emptied containers contain product residue, follow label warnings even after container is emptied. Dispose in accordance with all applicable federal, state and local laws and regulations.

SECTION 14: TRANSPORT INFORMATION

UN No. (DOT/TDG) Not applicable.

UN No. (IMDG) Not applicable.

UN No. (ICAO) Not applicable.

DOT Proper Shipping Name Not applicable.

TDG Proper Shipping Name Not applicable.

applicable. DOT Hazard Class	Not
applicable.	
DOT Hazard Label	Not applicable.
TDG Class	Not applicable.
TDG Label(s)	Not applicable.

IMDG Class	Not applicable.
ICAO Class	Not applicable.
Transport Labels	
DOT PackGroup	Not applicable.
IMDG Pack Group	Not applicable.
Air Pack Group	Not applicable.
EMS	Not applicable.
Environmentally Hazardous Substance/Marine Pollutant	No

SECTION 15: REGULATORY INFORMATION

US Federal Regulations

SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities

The Following ingredients are listed None Listed.

CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)

The Following ingredients are listed potassium hydroxide
phosphoric acid ... %, orthophosphoric acid ... %

SARA Extremely Hazardous Substances EPCRA Reportable Quantities

The Following ingredients are listed None Listed.

SARA 313 Emission Reporting

The Following ingredients are listed None Listed.

CAA Accidental Release Prevention

The Following ingredients are listed None Listed.

OSHA Highly Hazardous Chemicals

The Following ingredients are listed None Listed.

US State Regulations

California Proposition 65 Carcinogens and Reproductive Toxins

The Following ingredients are listed None Listed.

California Air Toxics "Hot Spots" (A-I)

The Following ingredients are listed phosphoric acid ... %, orthophosphoric acid ... %

California Air Toxics "Hot Spots" (A-Ii)

The Following ingredients are listed None Listed.

Massachusetts "Right To Know" List

The Following ingredients are listed potassium hydroxide
phosphoric acid ... %, orthophosphoric acid ... %

Rhode Island "Right To Know" List

The Following ingredients are listed potassium hydroxide
nitriлотrimethylenetris(phosphonic acid)
phosphoric acid ... %, orthophosphoric acid ...
%

Minnesota "Right To Know" List

The Following ingredients are listed potassium hydroxide

nitrilotrimethylenetris(phosphonic acid)
phosphoric acid ... %, orthophosphoric acid ...
%

New Jersey "Right To Know" List

The Following ingredients are listed

potassium hydroxide
nitrilotrimethylenetris(phosphonic acid)
phosphonic acid
phosphoric acid ... %, orthophosphoric acid ... %

