



SAFETY DATA SHEET

5/15/2023

Rev. 0

CCS-3600

SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

Product Identifier CCS-3600		
Distributor Clear Chem Solutions LLC		
Mailing Address PO Box 1434		
City Spring	State Texas	
Postal Code 77383	Emergency Telephone 1-800-424-9300 (CHEMTREC)	
Date SDS Prepared 5/15/2023	SDS Prepared By Blaine Joseph	Phone Number 936-280-0830

SECTION 2 – HAZARD(S) IDENTIFICATION

GHS Classification This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)
GHS Label element Skin corrosion/irritation: Category 1 Serious eye damage/eye irritation: Category 1 Corrosive to metals: Category 1 Signal word: Danger
Other hazards None known
Hazard Statements Causes severe skin burns and eye damage May be corrosive to metals
Precautionary Statements – Prevention Do not breathe dusts or mists Wash face, hands and any exposed skin thoroughly after handling Wear protective gloves/protective clothing/eye protection/face protection Keep only in original container
Precautionary Statements – Response Immediately call a POISON CENTER or doctor IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. IF INHALED: Remove person to fresh air and keep comfortable for breathing IF SWALLOWED: Rinse mouth. DO NOT induce vomiting. Absorb spillage to prevent material damage
Precautionary Statements – Storage Store locked up. Store in corrosion resistant container with a resistant inner liner
Precautionary Statements – Disposal Dispose of contents/container to an approved waste disposal plant
Unknown Acute Toxicity Not applicable

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SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	Common Name	CAS Number	%
Potassium Pyrophosphate		7320-34-5	50 - 60
Water		7732-18-5	Balance
*Additional specific ingredient identities and percentages withheld due to proprietary trade secrets			

SECTION 4 – FIRST-AID MEASURES

General Advice	Do not leave the victim unattended
If inhaled	If inhaled and adverse effects occur, remove the victim to fresh air and keep at rest in a position comfortable for breathing. Delayed pulmonary edema may occur. Call a POISON CENTER or doctor/physician if the victim feels unwell.
In case of skin contact	Wipe off excess chemical with a rag. Flush contaminated area with soap and plenty of water. Wash contaminated clothing before reuse. If skin irritation occurs, get medical attention.
In case of eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area. If eye irritation persists, get medical attention.
If swallowed	Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Drink plenty of water. If irritation persists, get medical attention.

Most important symptoms and effects, both acute and delayed

Redness. Burning. May cause blindness. Coughing and/or wheezing

Indication of any immediate medical attention and special treatment needed

Product is a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible perforation of stomach or esophagus should be investigated. Do not give chemical antidotes. Asphyxia from glottal edema may occur. Marked decrease in blood pressure may occur with moist rales, frothy sputum, and high pulse pressure.

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SECTION 5 – FIRE-FIGHTING MEASURES

Fire Hazard	Negligible fire hazard
Extinguishing Media	Use extinguishing medium as appropriate for surrounding fire
Fire Fighting	Move chemical from fire area if it can be done safely. Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low areas
Hazardous Combustion Products	Not flammable
Sensitivity to Mechanical Impact	Not sensitive
Sensitivity to Static Discharge	Not sensitive
Lower Flammability Level (air)	Not flammable
Upper Flammability Level (air)	Not flammable
Flash Point	Not flammable
Auto-ignition Temperature	No information available

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions	Avoid contact with skin, clothing, and eyes. Avoid breathing fumes. Avoid ingestion. Wash thoroughly after handling. Ensure adequate ventilation. Corrosive material. Wear appropriate Personal Protective Equipment as recommended in Section 8 of the SDS.
Environmental Precautions	Prevent further leakage or spillage if safe to do so. Keep out of water supplies.
Methods and Materials for Containment and Cleaning Up	<p>Large spills: Stop the flow of material, if this can be done safely. Dike the spilled material, where this is possible. Absorb with inert absorbent material and place into containers. Following product recovery, flush area with water</p> <p>Small spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.</p> <p>Pick up and transfer to properly labeled containers.</p>

SECTION 7 – HANDLING AND STORAGE

Precautions for Safe Handling	Avoid contact with skin, clothing, and eyes. Wash thoroughly after handling. Handle in accordance with good industrial hygiene and safety practice. Wear Personal Protective Equipment as recommended in Section 8 of the SDS.
Safe Storage Conditions	Store and handle in accordance with all current regulations and standards. Keep container tightly closed and properly labeled in a dry, cool, and well-ventilated place. Store away from incompatible materials as listed in Section 10 of the SDS.
Incompatibilities / Materials to Avoid	Strong oxidizing agents, strong acids, and strong bases

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SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Regulatory Exposure Limits	No occupational exposure limits have been established at this time. This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.
Non-Regulatory Exposure Limits	No occupational exposure limits have been established at this time.
Engineering Controls	Showers, Eyewash stations, and ventilation systems
Personal Protective Equipment	<p><u>Eye Protection:</u> Wear safety glasses with side-shields. If eye contact is likely, wear chemical resistant safety goggles.</p> <p><u>Skin and Body Protection:</u> Wear protective clothing to minimize skin contact. Contaminated clothing should be removed and laundered before reuse.</p> <p><u>Hand Protection:</u> Wear appropriate chemical resistant gloves.</p> <p><u>Protective Material Types:</u> Butyl rubber, Natural rubber, Neoprene, Nitrile</p> <p><u>Respiratory Protection:</u> If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protections should be worn. Positive-pressure supplied air respirators or air purifying respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.</p>
Hygiene Measures	Handle in accordance with good industrial hygiene and safety practice. Good hygiene practices include but are not limited to: wearing suitable gloves and/or eye protection; washing hands and affected skin immediately after handling, before breaks, and at the end of the workday; regularly cleaning work area and clothing; etc.

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SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Appearance	Clear, Colorless
Odor	No information available
Odor Threshold	No information available
pH	10.0 – 12.0
Melting Point	Not applicable
Freezing Point	Not applicable
Boiling Point	Not applicable
Flash Point	Not applicable
Evaporation Rate	Not applicable
Flammability	Not flammable
Flammability Limits	Not applicable
Vapor Pressure	Not applicable
Vapor Density	Not applicable
Relative Density	1.720
Solubility	Complete
Partition Coefficient (n-octanol/water)	Not applicable
Auto-Ignition Temperature	Not applicable
Decomposition Temperature	Not applicable
Viscosity	Not applicable

SECTION 10 – STABILITY AND REACTIVITY

Reactivity	No data available
Chemical Stability	Stable under normal conditions
Conditions to Avoid	Extremes of temperature and direct sunlight.
Incompatibilities / Materials to Avoid	Strong oxidizing agents, strong acids, and strong bases
Hazardous Decomposition Products	Phosphorus oxides. Potassium Oxides
Hazardous Polymerization	None known based on information supplied.

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SECTION 11 – TOXICOLOGICAL INFORMATION

Information on likely routes of exposure	Eye Contact, Skin Contact, Inhalation, and Ingestion
Signs and Symptoms of Exposure	<p><u>Eye:</u> Specific test data for the substance or mixture is not available. Causes burns (based on components). Corrosive to the eyes and may cause severe damage including blindness. Causes serious eye damage. May cause irreversible damage to the eyes.</p> <p><u>Skin:</u> Specific test data for the substance or mixture is not available. Skin irritation. Exposure to skin may cause burns, redness, dryness, and irritation.</p> <p><u>Inhalation:</u> Specific test data for the substance or mixture is not available. Corrosive by inhalation (based on components). Inhalation of corrosive fumes/gases may cause coughing, choking, headache, dizziness, and weakness for several hours. Pulmonary edema may occur with tightness in the chest, shortness of breath, bluish skin, decreased blood pressure, and increased heart rate. Inhaled corrosive substances can lead to a toxic edema of the lungs. Pulmonary edema can be fatal.</p> <p><u>Ingestion:</u> Specific test data for the substance or mixture is not available. Causes burns (based on components). Ingestion causes burns of the upper digestive and respiratory tracts. May cause severe burning pain in the mouth and stomach with vomiting and diarrhea of dark blood. Blood pressure may decrease. Brownish or yellowish stains may be seen around the mouth. Swelling of the throat may cause shortness of breath and choking. May cause lung damage if swallowed. May be fatal if swallowed and enters airways.</p>
Acute toxicity	ATEmix (dermal): 3336.70 mg/kg
GHS Health Hazards	No data available
Reproductive Toxicity	No data available
Developmental Toxicity	No data available

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Chemical Name	Oral LD50	Dermal LD50	LC50 (Lethal Concentration)
Potassium Pyrophosphate 7320-34-5	-	> 2000 mg/kg (Rabbit)	> 1.1 mg/L (Rat) 4 h
Water	> 90 mL/kg (Rat)	-	-

Information on toxicological effects

Symptoms: Redness. Burning. May cause blindness. Coughing and/or wheezing

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation Causes severe burns
 Serious eye damage/irritation Classification based on data available for ingredients. Causes burns. Risk of serious damage to eyes
 Respiratory or skin sensitization No information available
 Germ cell mutagenicity: No information available
 Carcinogenicity: This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC, or NTP
 Reproductive toxicity: No information available
 STOT – single exposure: No information available
 STOT – repeated exposure: No information available
 Aspiration hazard: No information available
 Other Adverse Effects No information available

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity	No data available
Fate and Transport	<u>Biodegradation:</u> This material is inorganic and not subject to biodegradation <u>Persistence:</u> This material is believed not to persist in the environment <u>Bioaccumulative Potential:</u> This material is believed not to bioaccumulate.
Additional Ecological Information	No data available

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to microorganisms	Toxicity to daphnia and other aquatic invertebrates
Potassium Pyrophosphate 7320-34-5	-	100 mg/L (LC50 96 h – Oncorhynchus mykiss)	-	100 mg/L (EC50 48 h – water flea)

SECTION 13 – DISPOSAL CONSIDERATION

Waste from Material	Dispose in accordance with all applicable regulations.
Container Management	Do not reuse container. Dispose of container in accordance with applicable local, regional, national, and/or international regulations. Container rinsate must be disposed of in compliance with applicable regulations.

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SECTION 14 – TRANSPORT INFORMATION

Land Transport	<p><u>DOT</u> UN/ID: UN3266 Proper shipping name: CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (TETRAPOTASSIUM PYROPHOSPHATE) Hazard Class: 8 Packing Group: III Description: UN3266, CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (TETRAPOTASSIUM PYROPHOSPHATE), 8, PG III</p>
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SECTION 15 – REGULATORY INFORMATION

International Inventories										
Chemical Name	TSCA	AICS	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS
Potassium Pyrophosphate 7320-34-5	Present ACTIVE	Present	Present	-	Present	-	Present	Present	Present	Present
Water 7732-18-5	Present ACTIVE	Present	Present	-	Present	-	Present	Present	Present	Present

Legend
TSCA – United States Toxic Substances Control Act Section 8(b) Inventory
AICS – Australian Inventory of Chemical Substances
DSL/NDSL – Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS – European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS – Japan Existing and New Chemical Substances
IECSC – China Inventory of Existing Chemical Substances
KECL – Korean Existing and Evaluated Chemical Substances
PICCS – Philippines Inventory of Chemicals and Chemical Substances

US Federal Regulations
SARA 313: Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.
SARA 311/312 Hazard Category: Under the amended regulations at 40 CFR 370, EPCRA 311/312 Tier II reporting for the 2017 and later calendar years will need to be consistent with updated hazard classifications.
CWA (Clean Water Act): This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

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CERCLA: This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

US State Regulations

CALIFORNIA PROP 65: This product does not contain any Proposition 65 chemicals.

US State Right-to-Know Regulations

None

U.S. EPA Label Information: N/A

SECTION 16 – OTHER INFORMATION

Prepared By	Clear Chem Solutions LLC
Creation Date	15-May-2023
Revision Date	15-May-2023



HEALTH	1
FLAMMABILITY	0
REACTIVITY	0
PERSONAL PROTECTION	



Certified to
NSF/ANSI 60

MUL: 28.00 mg/L

The information provided in this Safety Data Sheet (SDS) is correct to the best of our knowledge and is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar, and since data may become available subsequently to the date hereof, we do not assume any responsibility for the results of its use. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.