

# SAFETY DATA SHEET

Category 1

Category 1

# Revision Date 27-Feb-2023

Version 1

# 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

2. HAZARDS IDENTIFICATION			
Emergency Telephone	Chemtrec 1-800-424-9300		
Initial supplier phone number	1-501-758-8500		
Emergency telephone number			
North Little Rock, AR 72114 USA			
1501 E. 8th Street			
Safe Foods Chemical Innovations			
Initial supplier identifier			
Details of the supplier of the safety data sheet			
Uses advised against	Follow the directions for use on the label when applying this product		
Recommended Use	Automatic dishwashing detergent		
Recommended use of the chemical	and restrictions on use		
Product Code	20514		
Other means of identification			
Product Name	CC-130		
Product identifier			

#### Classification

Skin corrosion/irritation
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Serious eye damage/eye irritation

# Label elements

# DANGER

# Hazard statements

Causes severe skin burns and eye damage



#### **Precautionary Statements - Prevention**

Do not breathe dust/fume/gas/mist/vapors/spray

Wash face, hands and any exposed skin thoroughly after handling

Wear protective gloves/protective clothing/eye protection/face protection

# Precautionary Statements - Response

Immediately call a POISON CENTER or doctor

Specific treatment (see Section 4 on SDS)

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. Wash contaminated clothing before reuse

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor IF SWALLOWED: Rinse mouth. Do NOT induce vomiting

Precautionary Statements - Storage

#### Store locked up

#### **Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

# Other Information

Harmful to aquatic life with long lasting effects

Unknown acute toxicity See Section 11 for additional Toxicological Information

3. COMPOSITION/INFORMATION ON INGREDIENTS		
Chemical Name	CAS No.	Weight-%
Water	7732-18-5	60-80
Tetrapotassium pyrophosphate	7320-34-5	5-20
Sodium silicate	1344-09-8	5-20

Chemical Name		CAS No.	Weight-%
Sodium Polyacrylate		68479-09-4	1-5
1-Octanesulfonic acid sodium salt		5324-84-5	1-5
Potassium hydroxide		1310-58-3	< 1
	ntage (conce	entration) of composition has been withhe	ld as a trade secret.
		4. FIRST AID MEASURES	
First aid measures			
Inhalation	Remove to	o fresh air. Administer oxygen if breathing	is difficult. If symptoms persist, call a
	physician.		
Eye contact	In case of	eye contact, remove contact lens and ring	se immediately with plenty of water, also
	under the	eyelids, for at least 15 minutes. Call a phy	vsician immediately.
Skin contact		ly flush eyes or skin with plenty of water f	
		ted clothing and shoes. Get medical atter	ntion if irritation develops and persists.
Investion		aminated clothing before reuse.	and drively planty, of water, Never sive
Ingestion		duce vomiting. Rinse mouth immediately y mouth to an unconscious person. Call a	
Most important symptoms and effe			a physician infinediately.
Symptoms	See Section	on 11 for additional Toxicological Informat	ion.
Indication of any immediate medica			
Note to physicians		otomatically.	
	5. F	IRE-FIGHTING MEASURES	
Suitable Extinguishing Media		ay, carbon dioxide (CO2), dry chemical, fo	)am.
Unsuitable extinguishing media		ation available.	
Specific hazards arising from the		ation available.	
chemical			
Hazardous combustion products	Carbon m	onoxide. Carbon dioxide (CO2).	
Explosion data			
Sensitivity to Mechanical Impac			
Sensitivity to Static Discharge	None.		
Special protective equipment for		s should wear self-contained breathing ap	
fire-fighters		t fire from maximum distance or use unma iners with flooding quantities of water unt	
		itself does not burn but may decompose	
	and/or tox		upon nearing to produce contraine
		DENTAL RELEASE MEASURES	
Personal precautions, protective equipment and emergency procedures			
Personal precautions		nal protective equipment as required. Ens	sure adequate ventilation.
For emergency responders		a. Keep unnecessary personnel away.	
Environmental precautions			
Environmental precautions	Prevent er	ntry into waterways, sewers, basements o	r confined areas. See section 12 for
		ecological information.	
Methods and material for containmed Methods for containment		aning up rther leakage or spillage if safe to do so. /	Abcorb apill with inart material (a.g. dry
Methous for containment		irth), then place in a chemical waste conta	
Methods for cleaning up		ith inert absorbent material. Collect spilla	
<b>3 1</b>		for disposal. After cleaning, flush away tr	
	7	HANDLING AND STORAGE	
Precautions for safe handling			
Advice on safe handling	Use perso	nal protection equipment. Avoid contact v	vith skin, eyes or clothing. Ensure
C		ventilation. Avoid breathing vapors or mis	
		accordance with good industrial hygiene a	and safety practice.
Conditions for safe storage, includi			
Storage Conditions		ainers tightly closed in a dry, cool and we	II-ventilated place. Keep from freezing.
Incompatible materials		cordance with local regulations.	
Incompatible materials Strong oxidizing agents. Strong acids.			
	POSURE	CONTROLS/PERSONAL PROTE	CTION
Control parameters	Th: '		
Exposure Limits		ict, as supplied, does not contain any haz	
Appropriate engineering controls	exposure	imits established by the region-specific re	guiatory bodies
The option of the office of the option of th	-		

Individual protection measures, such as personal protective equipment Eyerace protection Eyerace protection Wear safety glasses with side shields (or goggles). If there is a risk of contact: Face protection shield. Normal work clothing (long sleeved shirt and long panis) is recommended. If there is a formation on basic physical and chemical resistant gloves, suit and boots. General hygiene considerations Do not eat, drink or smoke when using this product. Wash face, hands and any expos skin thoroughly drar handling. Take off contaminated clothing and wash it before reus Physical state I Lquid Appearance Aqueous solution Color Clear, Yellow Color Clear					
Eye/ace protection         Wear safety glasses with side shields (or goggles). If there is a risk of contact: Face protection shield.           Skin and body protection         Normal work clothing (long sleeved shit and long pants) is recommended. If there is a for contact: Chemical resistant gloves, suit and boots.           Respiratory protection         No protective equipment is needed under normal use conditions.           General hygiene considerations         Do not eat, drink or snoke when using this product. Wash face, hands and any expose skin thoroughly after handling. Take off contaminated clothing and wash it before reus skin thoroughly after handling. Take off contaminated clothing and wash it before reus skin thoroughly after handling. Take off contaminated clothing and wash it before reus dynamical state           Appearance         Aqueous solution           Color         Clear, Yellow           Odor         Males           Property         Values           Ph         12           Property         Values           Ph         7° C / 2° F           No information available         No information available           Property         No information available           Property         No information available           Paramability (loid) gas)         No information available           Paramability (loid) (solid) gas)         No information available           Paramability (loid) (solid) gas)         No information a	Engineering controls			ystems.	
Shin and body protection         Normal work clothing (long sleeved shirt and long pants) is recommended. If there is a d contact: Chemical resistant gloves, suit and boots.           Skin and body protection         No protective equipment is needed under normal use conditions.           General hygiene considerations         Do not eat, drink or smoke when using this product. Wash face, hands and any expose skin throughly after handling. Take of contaminated clothing and wash it before reuse skin throughly after handling. Take of contaminated clothing and wash it before reuse clother and the second clothing and wash it before reuse skin. Throughly after handling. Take of contaminated clothing and wash it before reuse clother and the second clother and wash it before reuse clother and the second clother and wash it before reuse skin. Throughly after handling. Take of contaminated clothing and wash it before reuse clother and the second clother and wash it before reuse skin. Throughly after handling. Take of contaminated clothing and wash it before reuse clother and the second clother and wash it before reuse skin. Throughly after handling. Take of the second clother and wash it before reuse clother and the second clother and wash it before reuse skin. Throughly after handling. Take of the second clother and wash it before reuse clother and clother and wash it before reuse clother and wash it before reuse clother and the second clother and wash it before reuse clother and clother and clother and wash it before reuse clother and clothe	Individual protection measures	, such as personal protective	equipment		
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Respiratory protection General hygiene considerations Denote ad, drink or smoke when using this product. Wash face, hands and any exposes skin thoroughly after handling. Take off contaminated clothing and wash it before reus 9. PHYSICAL AND CHEMICAL PROPERTIES Information on basic physical and chemical properties Physical state Appearance Aqueous solution Color Cilear, Yellow Odor Mild Odor threshold No information available Property PH No information available Property PH No information available Evaporation rate Flaam bability limit; No data available Flaamability limit; No data available Flaamability limit; No data available Retrained Vapor density No information available Retrained No information available Retrained No information available Flaamability limit; No data available Retrained No information available Flaamability limit; No data available Retrained No information available Retrained No information available Retrained No information available Retrained No information available Retrained No information available Retrained No information available No information available Retrained No information available No information available No information available No information available No information available Retrained No information available No informat	Skin and body protection	Normal work clothing (long			s recommended. If there is a risk
General hygiene considerations         Do not eat, chink or smoke when using this product. Wash face, hands and any exposes skin thoroughy after handling. Take off contaminated clothing and wash it before reus           9. PHYSICAL AND CHEMICAL PROPERTIES           Information on basic physical and chemical properties.           Physical state         Liquid           Appearance         Aqueous solution           Color         Clear, Yellow           Odor         Mild           Odor threshold         No information available           Property.         Values           PH         12           Soling point         7 °C / 20 °F           Boiling point / boiling range         No information available           Flammability (solid, gas)         No information available           Flammability (solid, gas)         No information available           Lower flammability limit:         No data available           Vapor pressure         No data available           Vapor pressure         No data available           Partition coefficient         No data available           Partition coefficient         No data available           Puto pressure         No data available           Conternation available         No data available           Partition coefficient         No data available	Respiratory protection				ditions
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Appearance         Aqueous solution           Color         Clear, Yellow           Odor         Mid           Odor threshold         No information available           Property         Values         Remarks - Method           pH         12         ±1 @ 21°C           Boiling point / freezing point         -7° C / 20 °F         State					
Color     Clear, Yellow       Odor     Mild       Odor     No information available       Property     Values     Remarks - Method       pH     12     ±1 @ 21°C       Metting point / freezing point     -7 °C / 20 °F     State 21°C       Boiling point / freezing point     -7 °C / 20 °F     State 21°C       Patholic / freezing point     No information available     Values       Flash mability Limit in Air     No data available     Values       Upper flammability limit:     No data available     Values       Vapor pressure     No data available     Values       Vapor density     1.22 v/cc     Water solubility       Solubility in other solvents     No data available     Value       Partition coefficient     No data available     Value       Decomposition temperature     No information available     Value       Void Cata available     Value available     Value available       Void Cata available     Value available     Value available       Void Content (%)     0.1		•			
Odor     Mild       Odor threshold     No information available       Property_pt     12     ±1 @ 21*C       PH     -7 * C / 20 *F     Boiling point / freezing point     -7 * C / 20 *F       Boiling point / boiling range     No information available     -       Flash point     No information available     -       Flash point     No information available     -       Flammability (Solid, gas)     No information available     -       Vapor density     No data available     -       Vapor density     No data available     -       Vapor density     No data available     -       Relative density     1.22 g/cc     -       Water solubility     Soluble in water     -       Solubility     No data available     -       Partition coefficient     No data available     -       Autoignition temperature     No information available     -       Solubility     No data available     -     -       Profers     No information available     -     -       Solubility     No data av					
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Metting point / freezing point     -7 °C     / 20 °F       Boiling point / boiling range     No information available       Flash point     No information available       Flay point rate     No information available       Evaporation rate     No information available       Flammability (solid, gas)     No information available       Flammability Limit in Air     Upper flammability limit:     No data available       Lower flammability limit:     No data available     Vapor density       Vapor density     No data available     Vapor density       Vapor density     No data available     Vapor density       Relative density     1.22 g/cc     Water       Solubility     Soluble in water     Soluble in water       Solubility in other solvents     No data available     Vapor density       Partition coefficient     No data available     Vator density       Dynamic viscosity     No information available     Vointormation available       Dynamic viscosity     No information available.     Voidizing properties       VOC Content (%)     0.13% (0.0133 lbs/gal)     Voc Content (%)     0.13% (0.0133 lbs/gal)       Information available.       Content contention available.       Content on available     Strong acids.     Strong acids.       Hazardous Reactions					<u>ou</u>
Boiling point / boiling pange     No information available       Flash point     No information available       Evaporation rate     No information available       Flammability (solid, gas)     No information available       Flammability Limit in Air     Upper flammability Limit       Upper flammability Limit     No data available       Lower flammability Limit     No data available       Vapor pressure     No data available       Vapor density     No data available       Partition coefficient     No data available       Autoignition temperature     No information available       Explosive properties     No information available       Dynamic viscosity     No information available.       OvidZing properties     No information available.       OvidZing properties     No information available.       OvidZing properties     No information available.       Content (%)     0. 13% (0.0133 lbs/gal)       Content (%)     No information available.       Content (%)     No information available.			±1 @	210	
Flash point       No information available         Evaporation rate       No information available         Flammability Limit in Air       Upper flammability limit:         Vapor density       No data available         Vapor gressure       No data available         Vapor density       No data available         Relative density       1.22 g/cc         Water solubility       Soluble in water         Solubility in other solvents       No data available         Partition coefficient       No data available         Vatiang available       No information available         Partition coefficient       No data available         Decomposition temperature       No information available         Oxidizing properties       No information available.         Oxidizing properties       No information available.         VOC Content (%)       0.133 lbs/gal)         Chemical stability       Stable under normal conditions.         Possibility of Hazardous Reactions       None known based on information suplied.         Incompatible materials       Strong oxidizing agents. Strong acids.         Hazardous Decompo					
Evaporation rate       No information available         Flammability (solid, gas)       No information available         Flammability Limit in Air       Upper flammability limit:       No data available         Lower flammability limit:       No data available       Image: Comparison of the compari					
Flammability (solid, gas)       No information available         Flammability Limit in Air       Upper flammability limit:       No data available         Lower flammability limit:       No data available       Vapor density         Vapor density       No data available         Vapor density       No data available         Relative density       1.22 g/cc         Water solubility in other solvents       No data available         Partition coefficient       No data available         Partition coefficient       No data available         Decomposition temperature       No information available         Dynamic viscosity       No data available         Dynamic viscosity       No data available         Dynamic viscosity       No information available         Dynamic viscosity       No information available         Oxidizing properties       No information available.         Oxidizing prope					
Flammability Limit in Air Upper flammability limit: No data available Lower flammability limit: No data available Vapor density No data available Vapor density No data available Relative density Soluble in water Solubility in other solvents No data available Partition coefficient No data available Partition coefficient No data available Decomposition temperature No information available Decomposition temperature No data available Dynamic viscosity No data available Dynamic viscosity No information available Dynamic viscosity No information available. Oxidizing properties No information available. OXOC Content (%) 0.13% (0.0133 lbs/gal) <b>10. STABILITY AND REACTIVITY</b> Reactivity No information available. Chemical stability Stable under normal processing. Conditions to avoid None known based on information supplied. Hazardous Reactions None under normal processing. Conditions to avoid None known based on information supplied. Hazardous Decomposition Products Carbon monxide. Carbon dioxide (CO2). <b>11. TOXICOLOGICAL INFORMATION</b> Information Breathing in mists or aerosols may produce respiratory irritation. Eye contact Corrise to the eyes and may cause severe damage including blindness. Skin contact Eye contact Corrise to the eyes and may cause severe damage including blindness. Skin contact Contact causes severe skin irritation and possible burns. Ingestion Information available. Skin contact Contact causes surp of the upper digestive and respiratory tracts. Can burn mouth, throat, and stomach. Information on toxicological effects Symptoms No information available. Stering on the stomach. Information on toxicological effects Symptoms No information available. Chemical Name Oral LD50 Inhalation LC50 Interpotassium pyrophosphate - 94640 mg/kg (Rabbit) - 1					
Lower flammability limit:         No data available           Vapor pressure         No data available           Vapor density         No data available           Relative density         1.22 g/cc           Water solubility         Solubile in water           Solubility in other solvents         No data available           Partition coefficient         No data available           Partition coefficient         No data available           Decomposition temperature         No information available           Decomposition temperature         No information available           Dynamic viscosity         No data available           Symptoms         No information available.           Oxidizing properties         No information available.           Oxidizing properties         No information available.           VOC Content (%)         0.13% (0.0133 lbs/gal)           Voc Content (%)         No information available.           Chemical stability         Stable under normal processing.           Conditions to avoid         None known based on information supplied.           Incompatible materials         Strong oxidizing agents. Strong acids.           Hazardous Decomposition Products         Carbon monoxide. Carbon dioxide (CO2).           Information on likely routes of exposure         Product Info	Flammability Limit in Air				
Lower flammability limit:         No data available           Vapor pressure         No data available           Vapor density         No data available           Relative density         1.22 g/cc           Water solubility         Solubile in water           Solubility in other solvents         No data available           Partition coefficient         No data available           Partition coefficient         No data available           Decomposition temperature         No information available           Decomposition temperature         No information available           Dynamic viscosity         No data available           Symptoms         No information available.           Oxidizing properties         No information available.           Oxidizing properties         No information available.           VOC Content (%)         0.13% (0.0133 lbs/gal)           Voc Content (%)         No information available.           Chemical stability         Stable under normal processing.           Conditions to avoid         None known based on information supplied.           Incompatible materials         Strong oxidizing agents. Strong acids.           Hazardous Decomposition Products         Carbon monoxide. Carbon dioxide (CO2).           Information on likely routes of exposure         Product Info	Upper flammability limit:	No data available			
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Vapor density       No data available         Relative density       1.22 g/cc         Water solubility       Solubble in water         Solubility in other solvents       No data available         Partition coefficient       No idat available         Autoignition temperature       No information available         Decomposition temperature       No data available         Dynamic viscosity       No information available         Explosive properties       No information available.         Oxidizing properties       No information available.         Content (%)       0.13% (0.0133 lbs/gal)         Etable       Stable under normal conditions.         Possibility of Hazardous Reactions       None known based on information supplied.         Incompatible materials       Strong oxidizing agents. Strong acids.         Hazardous Decomposition Produts       Carbon monoxide. Carbon dioxide (CO2).         Information on likely routes of exposure       Product Information.	-				
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Water solubility       Solubile in water         Solubility in other solvents       No data available         Partition coefficient       No data available         Autoignition temperature       No information available         Decomposition temperature       No data available         Kinematic viscosity       No information available         Dynamic viscosity       No information available.         Oxidizing properties       No information available.         VOC Content (%)       0.13% (0.0133 lbs/gal)         Incompatible materials       No information available.         VOC Content (%)       0.13% (0.0133 lbs/gal)         Incompatible materials       No information available.         Chemical stability       Stable under normal conditions.         Possibility of Hazardous Reactions       None under normal processing.         Conditions to avoid       None wnown based on information supplied.         Incompatible materials       Strong oxidizing agents. Strong acids.         Hazardous Decomposition Products       Carbon monoxide. Carbon dioxide (CO2).         Information on likely routes of exposure       Product Information         Product Information       Breathing in mists or aerosols may produce respiratory irritation.         Eye contact       Corrosive to the eyes and may cause severe damage including blindness					
Solubility in other solvents     No data available       Partition coefficient     No data available       Autoignition temperature     No information available       Decomposition temperature     No data available       Kinematic viscosity     No information available       Dynamic viscosity     No information available       Dynamic viscosity     No information available       Oxidizing properties     No information available.       Oxidizing properties     No information available.       VOC Content (%)     0.13% (O.133 lbs/gal) <b>10. STABILITY AND REACTIVITY</b> Reactivity       Conditions to avoid       None under normal processing.       Conditions to avoid     None under normal processing.       Conditions to avoid     None under normal processing.       Incompatible materials     Strong avidzing agents. Strong avids.       Hazardous Decomposition Products     Carbon monoxide. Carbon dioxide (CO2). <b>11. TOXICOLOGICAL INFORMATION</b> Information     Breathing in mists or aerosols may produce respiratory irritation.       Eye contact     Corrosive to the eyes and may cause severe damage including blindness.       Skin contact     Contact causes severe skin irritation and possible burns.       Ingestion     Ingestion causes burns of the upper digestive and respiratory tracts. Can burn mouth, throat, and s	-				
Autoignition temperature       No information available         Decomposition temperature       No data available         Kinematic viscosity       No information available         Dynamic viscosity       No data available         Explosive properties       No information available.         OXIdizing properties       No information available.         OXIdizing properties       No information available.         VOC Content (%)       0.13% (0.0133 lbs/gal)         Eactivity       No information available.         Chemical stability       Stable under normal conditions.         Possibility of Hazardous Reactions       None under normal conditions.         Conditions to avoid       None known based on information supplied.         Incompatible materials       Strong oxidizing agents. Strong acids.         Hazardous Decomposition Products       Carbon monoxide. Carbon dioxide (CO2).         11. TOXICOLOGICAL INFORMATION         Information       Breathing in mists or aerosols may produce respiratory irritation.         Eye contact       Corrosive to the eyes and may cause severe damage including blindness.         Skin contact       Contact causes severe skin irritation and possible burns.         Ingestion       Ingestion causes burns of the upper digestive and respiratory tracts. Can burn mouth, throat, and stomach.         Information on t	Solubility in other solvents	No data available			
Decomposition temperature         No data available           Kinematic viscosity         No information available           Dynamic viscosity         No information available           Dynamic viscosity         No information available.           Oxidizing properties         No information available.           Oxidizing properties         No information available.           VOC Content (%)         0.13% (0.0133 lbs/gal)           Interstand available.           VOC Content (%)         0.13% (0.0133 lbs/gal)           Interstand available.           Conditions available.           Chemical stability           No information available.           Conditions to avoid           Incompatible materials         Stong oxidizing agents. Strong acids.           Hazardous Reactions         None known based on information supplied.           Incompatible materials         Strong oxidizing agents. Strong acids.           Hazardous Decomposition Products         Carbon monxide. Carbon dioxide (CO2).           Information on likely routes of exposure         Product Information           Information         Breathing in mists or aerosols may produce respiratory irritation.           Eye contact         Corrosive to the eyes and may cause severe damage including blindness.	Partition coefficient	No data available			
Kinematic viscosity       No information available         Dynamic viscosity       No data available         Explosive properties       No information available.         Oxidizing properties       No information available.         VOC Content (%)       0.13% (0.0133 lbs/gal)         Image: Content (%)       No information available.         VOC Content (%)       0.13% (0.0133 lbs/gal)         Image: Content (%)       No information available.         VOC Content (%)       No information available.         Chemical stability       Stable under normal conditions.         Possibility of Hazardous Reactions       None under normal processing.         Conditions to avoid       None known based on information supplied.         Incompatible materials       Strong oxidizing agents. Strong acids.         Hazardous Decomposition Products       Carbon monoxide. Carbon dioxide (CO2).         Information on likely routes of exposure       Product Information         Information       Breathing in mists or aerosols may produce respiratory irritation.         Eye contact       Cornact causes severe skin irritation and possible burns.         Ingestion       Ingestion causes burns of the upper digestive and respiratory tracts. Can burn mouth, throat, and stomach.         Information on toxicological effects       No information available.         <	Autoignition temperature	No information available			
Dynamic viscosity         No data available           Explosive properties         No information available.           Oxidizing properties         No information available.           OxC Content (%)         0.13% (0.0133 lbs/gal)           Image: Content (%)           Oxidizing properties           No information available.           Oxidizing properties           No information available.           Oxidizing apents.           Conditions to avoid           None known based on information supplied.           Incompatible materials         Strong oxidizing agents. Strong acids.           Hazardous Decomposition Products         Carbon monoxide. Carbon dioxide (CO2).           Int TOXICOLOGICAL INFORMATION           Information         Breathing in mists or aerosols may produce respiratory irritation.           Eye contact         Corrosive to the eyes and may cause severe damage including blindness.           Skin contact         Contact causes severe skin irritation and possible burns.           Ingestion         Ingestion causes burns of the upper digestive and respiratory tracts. Can burn mouth, throat, and stomach.           Information on toxicological effects         No information available.           Symptoms         No information available.					
Explosive properties       No information available.         Oxidizing properties       No information available.         Ox Occontent (%)       0.13% (0.0133 lbs/gal)         Image: transmission of the stability       No information available.         Chemical stability       No information available.         Chemical stability       Stable under normal conditions.         Possibility of Hazardous Reactions       None under normal processing.         Conditions to avoid       None known based on information supplied.         Incompatible materials       Strong oxidizing agents. Strong acids.         Hazardous Decomposition Products       Carbon monoxide. Carbon dioxide (CO2).         Information on likely routes of exposure       Product Information         Product Information       Breathing in mists or aerosols may produce respiratory irritation.         Eye contact       Corrosive to the eyes and may cause severe damage including blindness.         Skin contact       Contact causes severe skin irritation and possible burns.         Ingestion       Ingestion causes burns of the upper digestive and respiratory tracts. Can burn mouth, throat, and stomach.         Information on toxicological effects       Symptoms         Symptoms       No information available.					
Oxidizing properties VOC Content (%)         No information available. 0.13% (0.0133 lbs/gal)           Image: transmission of the upper digestive and respiratory tracts. Can burn mouth, throat, and stomach.         No information available.           VOC Content (%)         No information available.         No information available.           Chemical stability         Stable under normal conditions.         Possibility of Hazardous Reactions           Possibility of Hazardous Reactions         None under normal processing.         Conditions to avoid           Conditions to avoid         None known based on information supplied.         None known based on information supplied.           Incompatible materials         Strong oxidizing agents. Strong acids.         Carbon monoxide. Carbon dioxide (CO2).           Information on likely routes of exposure         Product Information         Information in mists or aerosols may produce respiratory irritation.           Eye contact         Corrosive to the eyes and may cause severe damage including blindness.         Skin contact           Ingestion         Ingestion causes burns of the upper digestive and respiratory tracts. Can burn mouth, throat, and stomach.           Information on toxicological effects         Symptoms         No information available.           Chemical Name         Oral LD50         Dermal LD50         Inhalation LC50           Tetrapotassium pyrophosphate         > 4640 mg/kg (Rabbit)         Inhal					
VOC Content (%)       0.13% (0.0133 lbs/gal)         ID. STABILITY AND REACTIVITY         Reactivity       No information available.         Chemical stability       Stable under normal conditions.         Possibility of Hazardous Reactions       None under normal processing.         Conditions to avoid       None under normal processing.         Incompatible materials       Strong oxidizing agents. Strong acids.         Hazardous Decomposition Products       Carbon monoxide. Carbon dioxide (CO2).         Information on likely routes of exposure       Product Information         Inhalation       Breathing in mists or aerosols may produce respiratory irritation.         Eye contact       Corrosive to the eyes and may cause severe damage including blindness.         Skin contact       Contact causes severe skin irritation and possible burns.         Ingestion       Ingestion causes burns of the upper digestive and respiratory tracts. Can burn mouth, throat, and stomach.         Information on toxicological effects       Symptoms         Symptoms       No information available.         Chemical Name       Oral LD50       Dermal LD50         Tetrapotassium pyrophosphate       > 4640 mg/kg ( Rabbit )					
10. STABILITY AND REACTIVITY           Reactivity         No information available.           Chemical stability         Stable under normal conditions.           Possibility of Hazardous Reactions         None under normal processing.           Conditions to avoid         None known based on information supplied.           Incompatible materials         Strong oxidizing agents. Strong acids.           Hazardous Decomposition Products         Carbon monoxide. Carbon dioxide (CO2). <b>11. TOXICOLOGICAL INFORMATION</b> Information on likely routes of exposure           Product Information           Inhalation         Breathing in mists or aerosols may produce respiratory irritation.           Eye contact         Corrosive to the eyes and may cause severe damage including blindness.           Skin contact         Contact causes severe skin irritation and possible burns.           Ingestion         Ingestion causes burns of the upper digestive and respiratory tracts. Can burn mouth, throat, and stomach.           Information on toxicological effects         Symptoms           Symptoms         No information available.           Chemical Name         Oral LD50         Inhalation LC50           Tetrapotassium pyrophosphate         -         > 4640 mg/kg (Rabbit)					
Reactivity       No information available.         Chemical stability       Stable under normal conditions.         Possibility of Hazardous Reactions       None under normal processing.         Conditions to avoid       None known based on information supplied.         Incompatible materials       Strong oxidizing agents. Strong acids.         Hazardous Decomposition Products       Carbon monoxide. Carbon dioxide (CO2).         Information on likely routes of exposure       Product Information         Inhalation       Breathing in mists or aerosols may produce respiratory irritation.         Eye contact       Corrosive to the eyes and may cause severe damage including blindness.         Skin contact       Contact causes severe skin irritation and possible burns.         Ingestion       Ingestion causes burns of the upper digestive and respiratory tracts. Can burn mouth, throat, and stomach.         Information on toxicological effects       No information available.         Symptoms       No information available.	VOC Content (%)				
Chemical stability       Stable under normal conditions.         Possibility of Hazardous Reactions       None under normal processing.         Conditions to avoid       None known based on information supplied.         Incompatible materials       Strong oxidizing agents. Strong acids.         Hazardous Decomposition Products       Carbon monoxide. Carbon dioxide (CO2). <b>11. TOXICOLOGICAL INFORMATION</b> Information on likely routes of exposure         Product Information       Breathing in mists or aerosols may produce respiratory irritation.         Lye contact       Corrosive to the eyes and may cause severe damage including blindness.         Skin contact       Contact causes severe skin irritation and possible burns.         Ingestion       Ingestion causes burns of the upper digestive and respiratory tracts. Can burn mouth, throat, and stomach.         Information on toxicological effects       No information available.         Symptoms       No information available.	Reactivity		AND REACTIVIT	T	
Possibility of Hazardous Reactions       None under normal processing.         Conditions to avoid       None known based on information supplied.         Incompatible materials       Strong oxidizing agents. Strong acids.         Hazardous Decomposition Products       Carbon monoxide. Carbon dioxide (CO2).         Information on likely routes of exposure         Product Information       Breathing in mists or aerosols may produce respiratory irritation.         Eye contact       Corrosive to the eyes and may cause severe damage including blindness.         Skin contact       Contact causes severe skin irritation and possible burns.         Ingestion       Ingestion causes burns of the upper digestive and respiratory tracts. Can burn mouth, throat, and stomach.         Information on toxicological effects       Symptoms         Symptoms       No information available.         Chemical Name       Oral LD50       Dermal LD50         Tetrapotassium pyrophosphate       > 4640 mg/kg (Rabbit)	-		litions.		
Conditions to avoid       None known based on information supplied.         Incompatible materials       Strong oxidizing agents. Strong acids.         Hazardous Decomposition Products       Carbon monoxide. Carbon dioxide (CO2).         Information on likely routes of exposure         Product Information       Breathing in mists or aerosols may produce respiratory irritation.         Eye contact       Corrosive to the eyes and may cause severe damage including blindness.         Skin contact       Contact causes severe skin irritation and possible burns.         Ingestion       Ingestion causes burns of the upper digestive and respiratory tracts. Can burn mouth, throat, and stomach.         Information on toxicological effects       Symptoms         Symptoms       No information available.         Chemical Name       Oral LD50       Dermal LD50         Intrapotassium pyrophosphate       -       > 4640 mg/kg (Rabbit)		ions None under normal proce	ssing.		
Hazardous Decomposition Products Carbon monoxide. Carbon dioxide (CO2).         11. TOXICOLOGICAL INFORMATION         Information on likely routes of exposure         Product Information       Breathing in mists or aerosols may produce respiratory irritation.         Eye contact       Corrosive to the eyes and may cause severe damage including blindness.         Skin contact       Contact causes severe skin irritation and possible burns.         Ingestion       Ingestion causes burns of the upper digestive and respiratory tracts. Can burn mouth, throat, and stomach.         Information on toxicological effects       No information available.         Symptoms       No information available.         Chemical Name       Oral LD50       Dermal LD50       Inhalation LC50         Tetrapotassium pyrophosphate       -       > 4640 mg/kg (Rabbit)       -	Conditions to avoid	ditions to avoid None known based on information supplied.			
11. TOXICOLOGICAL INFORMATION         Information on likely routes of exposure         Product Information       Breathing in mists or aerosols may produce respiratory irritation.         Linkalation       Breathing in mists or aerosols may produce respiratory irritation.         Eye contact       Corrosive to the eyes and may cause severe damage including blindness.         Skin contact       Contact causes severe skin irritation and possible burns.         Ingestion       Ingestion causes burns of the upper digestive and respiratory tracts. Can burn mouth, throat, and stomach.         Information on toxicological effects       No information available.         Symptoms       No information available.         Tetrapotassium pyrophosphate       -	Incompatible materials	Strong oxidizing agents. Strong acids.			
Information on likely routes of exposure         Product Information         Inhalation       Breathing in mists or aerosols may produce respiratory irritation.         Eye contact       Corrosive to the eyes and may cause severe damage including blindness.         Skin contact       Contact causes severe skin irritation and possible burns.         Ingestion       Ingestion causes burns of the upper digestive and respiratory tracts. Can burn mouth, throat, and stomach.         Information on toxicological effects       Symptoms         Symptoms       No information available.         Chemical Name       Oral LD50       Dermal LD50         Tetrapotassium pyrophosphate       -       > 4640 mg/kg (Rabbit)	azardous Decomposition Products Carbon monoxide. Carbon dioxide (CO2).				
Product Information       Breathing in mists or aerosols may produce respiratory irritation.         Inhalation       Breathing in mists or aerosols may produce respiratory irritation.         Eye contact       Corrosive to the eyes and may cause severe damage including blindness.         Skin contact       Contact causes severe skin irritation and possible burns.         Ingestion       Ingestion causes burns of the upper digestive and respiratory tracts. Can burn mouth, throat, and stomach.         Information on toxicological effects       No information available.         Symptoms       No information available.         Chemical Name       Oral LD50       Dermal LD50       Inhalation LC50         Tetrapotassium pyrophosphate       -       > 4640 mg/kg (Rabbit)       -		11. TOXICOLOGIC	AL INFORMAT	ION	
Inhalation       Breathing in mists or aerosols may produce respiratory irritation.         Eye contact       Corrosive to the eyes and may cause severe damage including blindness.         Skin contact       Contact causes severe skin irritation and possible burns.         Ingestion       Ingestion causes burns of the upper digestive and respiratory tracts. Can burn mouth, throat, and stomach.         Information on toxicological effects       No information available.         Symptoms       No information available.         Interapotassium pyrophosphate       -       > 4640 mg/kg (Rabbit)       -		exposure			
Eye contact Skin contact Ingestion       Corrosive to the eyes and may cause severe damage including blindness. Contact causes severe skin irritation and possible burns. Ingestion causes burns of the upper digestive and respiratory tracts. Can burn mouth, throat, and stomach.         Information on toxicological effects       No information available.         Symptoms       No information available.         Chemical Name       Oral LD50       Dermal LD50       Inhalation LC50         Tetrapotassium pyrophosphate       -       > 4640 mg/kg (Rabbit)       -	roduct Information				
Skin contact Ingestion       Contact causes severe skin irritation and possible burns. Ingestion causes burns of the upper digestive and respiratory tracts. Can burn mouth, throat, and stomach.         Information on toxicological effects       No information available.         Symptoms       Oral LD50       Dermal LD50       Inhalation LC50         Tetrapotassium pyrophosphate       -       > 4640 mg/kg (Rabbit)       -	Eve contact				
Ingestion       Ingestion causes burns of the upper digestive and respiratory tracts. Can burn mouth, throat, and stomach.         Information on toxicological effects       Symptoms       No information available.         Chemical Name       Oral LD50       Dermal LD50       Inhalation LC50         Tetrapotassium pyrophosphate       -       > 4640 mg/kg (Rabbit)       -	-				
throat, and stomach.         Information on toxicological effects         Symptoms       No information available.         Chemical Name       Oral LD50       Dermal LD50       Inhalation LC50         Tetrapotassium pyrophosphate       -       > 4640 mg/kg (Rabbit )       -					
Information on toxicological effects           Symptoms         No information available.           Chemical Name         Oral LD50         Dermal LD50         Inhalation LC50           Tetrapotassium pyrophosphate         -         > 4640 mg/kg (Rabbit)         -	ingeotion				
Symptoms         No information available.           Chemical Name         Oral LD50         Dermal LD50         Inhalation LC50           Tetrapotassium pyrophosphate         -         > 4640 mg/kg (Rabbit )         -	Information on toxicological ef				
Tetrapotassium pyrophosphate - > 4640 mg/kg (Rabbit) -	Symptoms				
	Chemical Name	Oral LD50	Dermal L	.D50	Inhalation LC50
		-			-
Sodium silicate = 1960 mg/kg (Rat) > 4640 mg/kg (Rabbit) -		= 1960 mg/kg (Rat)	> 4640 ma/ka	(Rabbit)	-
1344-09-8			- 3-9		

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50	
Potassium hydroxide 1310-58-3	= 284 mg/kg (Rat)	-	-	
Delayed and immediate effects a		<u>n short and long-term exp</u>	osure	
Skin corrosion/irritation	No information available.			
Serious eye damage/eye irritatio	<b>n</b> No information available.			
Respiratory or skin sensitization	No information available.			
Germ cell mutagenicity	No information available.			
Carcinogenicity	Based on available data, t	he classification criteria are	not met.	
Reproductive toxicity	No information available.			
STOT - single exposure	No information available.			
STOT - repeated exposure	No information available.			
Aspiration hazard	No information available.			
Numerical measures of toxicity	_			
Acute toxicity				
The following values are calculated		he GHS document		
ATEmix (oral)	30,444.10			
ATEmix (dermal)	22,993.30			
Unknown acute toxicity	24.43 % of the mixture cor	nsists of ingredient(s) of unl	known toxicity	
19.23 % of the mixture consists	s of ingredient(s) of unknown a	cute oral toxicity	-	
4.23 % of the mixture consists				
24.43 % of the mixture consists		-		
24.43 % of the mixture consists				
24.43 % of the mixture consists				
	<b>9</b> ()	, (	////ist/	
E e terrisite			a falle in a timeta d	
Ecotoxicity	-	of this product has not bee		
Chemical Name		ish	Crustacea	
Tetrapotassium pyrophosphate 7320-34-5		100: 96 h Oncorhynchus mykiss mg/L LC50     100: 48 h water flea mg/L EC50		
Sodium silicate		301 - 478: 96 h Lepomis macrochirus mg/L LC50 216: 96 h Daphnia magna mg/L EC50		
1344-09-8 Potassium hydroxide		3185: 96 h Brachydanio rerio mg/L LC50 semi-static         80: 96 h Gambusia affinis mg/L LC50 static		
1310-58-3		Na information evolution		
Persistence and degradability Bioaccumulation	No information available.			
Chemical	Name	Part	ition coefficient	
Potassium hydroxid		0.65	0.83	
Mobility	Soluble in water.	0.00	0.00	
Other adverse effects	No information available.			
	13. DISPOSAL CO	ONSIDERATIONS		
Waste treatment methods				
Waste from residues/unused		with local regulations. Dispo	ose of waste in accordance with	
products	environmental legislation.			
Contaminated packaging		Empty containers must be triple rinsed prior to disposal. Dispose of in accordance with local		
	regulations.			
	14. TRANSPORT	<b>INFORMATION</b>		
TDG				
UN/ID No.	1760			
Proper shipping name		Compound, cleaning liquid, n.o.s. (contains tetrapotassium pyrophosphate)		
Hazard Class	8			
Packing Group				
	15. REGULATOR	Y INFORMATION		
Regulatory information				
International Regulations				
Ozone-depleting substances (OI	<b>DS)</b> Not applicable			
Persistent Organic Pollutants	Not applicable			
The Rotterdam Convention	Not applicable			
International Inventories	····			
TSCA	Complies			
DSL/NDSL	Complies			
	Comples			

#### EINECS/ELINCS

#### No information available

Legend: TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

# 16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

Prepared By	Technical Department.
Issue Date	02-Oct-2019
Revision Date	27-Feb-2023
Version	1
Revision Note	Company name update.
Disclaimer	

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The health hazards given on this SDS apply to this product in its concentrated form (as supplied) and may differ significantly at use dilution. The signs and symptoms of exposure apply only to negligence in handling or misuse of the concentrated product and not to the routine exposure of the diluted product under conditions of ordinary use.

**End of Safety Data Sheet**