



Safety Data Sheet

Issue Date:

Revision Date: 06-Feb-2015

Version 1

1. IDENTIFICATION

Product Identifier

Product Name P.S.T Plus Concentrate

Other means of identification

SDS #

Product Code 13095

Recommended use of the chemical and restrictions on use

Recommended Use Disinfectant

Details of the supplier of the safety data sheet

Supplier Address

Triple S
2 Executive Park Drive
Billerica, MA 01862
www.triple-s.com

Emergency Telephone Number

Company Phone Number 1-978-667-7900

Emergency Telephone (24 hr) 1-888-779-1339

2. HAZARDS IDENTIFICATION

Appearance : Clear Liquid

Physical State : Liquid

Odor: Methyl Salicylate

Classification

Skin corrosion/irritation	Category 1
Serious eye damage/eye irritation	Category 2A

GHS Label element

Hazard pictograms



Signal Word :

Danger

Hazard Statements :

H314 Causes severe skin burns and eye damage.

H319 Causes serious eye irritation.

Precautionary Statements - Prevention

P264 Wash skin thoroughly after handling.

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

Precautionary Statements - Response

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/ attention. Wash contaminated clothing before reuse.

Precautionary Statements - Storage

Store locked up

Precautionary Statements - Disposal

Dispose of contents/ container to an approved waste disposal plant.

Other Hazards

None Known

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Quaternary ammonium compounds, di-C8-10-alkyldimethyl, chlorides	68424-95-3	1.50
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	68424-85-1	1.00
Orthophosphoric acid	7664-38-2	8.50
Oxalic acid	144-62-7	2.14
Nonyl phenol ethoxylate	9016-45-9	1.00
Water	7732-18-5	85.86

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST-AID MEASURES

First Aid Measures

If inhaled	Move to fresh air. If breathing is irregular or stopped, administer artificial respiration. Give oxygen. First aider needs to protect himself. Call a physician immediately.
In case of skin contact	Take off all contaminated clothing immediately. After contact with skin, wash immediately with plenty of soap and water. Call a physician immediately.
In case of eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Call a physician immediately
If Swallowed	Call a physician immediately. Clean mouth with water and drink afterwards plenty of water. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.

Most important symptoms and effects

Symptoms	No information available
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Indication of any immediate medical attention and special treatment needed

None known

Notes to Physician

No information available

5. FIRE-FIGHTING MEASURES**Suitable Extinguishing Media**

Water spray
 Dry powder
 Foam

Specific Hazards Arising from the Chemical

Heating or fire can release toxic gas.

Further Information

Use water spray to cool unopened containers

Protective equipment and precautions for firefighters

In the event of fire, wear self-contained breathing apparatus

6. ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures**

Personal Precautions	Use respirator when performing operations involving potential exposure to vapor of the product.
Environmental Precautions	General advice do not flush into surface water or sanitary sewer system.

Methods and material for containment and cleaning up

Methods for Containment Methods for Clean-Up	Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).
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7. HANDLING AND STORAGE**Precautions for safe handling**

Advice on Safe Handling	Avoid contact with skin and eyes. Provide sufficient air exchange and/or exhaust in work rooms
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Conditions for safe storage, including any incompatibilities

Storage Conditions	Keep in a well-ventilated place. Keep container tightly closed and dry.
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Incompatible Materials

None known

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Components	CAS-No.	Value Type (Form of exposure)	Control parameters/permissible concentration	Basis
Orthophosphoric acid	7664-38-2	TWA	1mg/m3	ACGIH
		STEL	3mg/m3	ACGIH
		REL	1mg/m3	NIOSH/GUIDE
		STEL	3mg/m3	NIOSH/GUIDE
		PEL	1mg/m3	OSHA_TRANS
		TWA	1 mg/m3	Z1A
		STEL	3 mg/m3	Z1A
		TWA	1 mg/m3	CAD ON OEL
Oxalic Acid	144-26-7	STEL	2 mg/m3	CAD ON OEL
		TWA	1 mg/m3	ACGIH
		STEL	2 mg/m3	ACGIH
		TWA	2 mg/m3	ACGIHLIS_P
		STEL	1 mg/m3	ACGIHLIS_P
		STEL	1 mg/m3	NIOSH/GUIDE
		REL	1 mg/m3	NIOSH/GUIDE
		PEL	2 mg/m3	OSHA_TRANS
		TWA	1 mg/m3	Z1A
		STEL	2 mg/m3	Z1A
TWA	OSHA_TRANS	CAD ON OEL		
STEL	2 mg/m3	CAD ON OEL		

Appropriate engineering controls

Engineering Controls

Individual protection measures, such as personal protective equipment

Eye/Face Protection

Tightly fitting safety goggles
Face-shield

Skin and Body Protection

Choose body protection according to the amount and concentration of the dangerous substance at the work place.
Rubber or plastic apron
Rubber or plastic boots

Respiratory Protection

In the case of vapor formation use a respirator with an approved filter.

General Hygiene Considerations

Wash hands before breaks and immediately after handling the product.
Avoid contact with skin, eyes and clothing.
Remove and wash contaminated clothing and gloves, including the inside, before re-use.

Hand Protection Remarks

Wear suitable gloves. Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State

Appearance

liquid

Odor

Mint

Color

Clear Blue

Odor Threshold

No Data Available

Property

Values

Remarks • Method

pH

0.7-0.9

Melting Point/Freezing Point

No Data Available

Boiling Point/Boiling Range

No Data Available

Flash Point

Not Determined

Evaporation Rate

No Data Available

Flammability (Solid, Gas)

Upper Flammability Limits

Lower Flammability Limit

Vapor Pressure

Vapor Density

Specific Gravity

Water Solubility

Solubility in other solvents

Soluble

Partition Coefficient

No Data Available

Auto-ignition Temperature

No Data Available

Decomposition Temperature

No Data Available

Kinematic Viscosity

Dynamic Viscosity

Explosive Properties

Oxidizing Properties

10. STABILITY AND REACTIVITY

Reactivity

Stable under recommended storage conditions

Chemical Stability

Possibility of Hazardous Reactions

None known. Stable

Conditions to Avoid

Incompatible Materials

Hazardous Decomposition Products

Heating or fire can release toxic gas

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Further Information	Information given is based on data on the components and the toxicology of similar products
Eye Contact	Causes eye burns.
Skin Contact	Causes skin burns.
Acute Toxicity	Harmful by inhalation and if swallowed

Information on physical, chemical and toxicological effects

Symptoms

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

N/A

Numerical measures of toxicity

12. ECOLOGICAL INFORMATION

Ecotoxicity

No Data Available

Component Information

Oxalic acid

Partition coefficient : n-octanol/water Log Pow:-0.81

Persistence/Degradability

No Data Available

Bioaccumulation

Mobility

No Data Available

Other Adverse Effects

Additional ecological information : No data is available on the product itself

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes	Waste from residues Dispose of in accordance with local regulations.
Contaminated Packaging	Dispose of as unused product

14. TRANSPORT INFORMATION

IATA

UN number	:1903
Proper shipping name	:Disinfectant, liquid, corrosive, n.o.s. (Dialkyldimethylammonium chloride)
Transport hazard class	:8
Packing group	:III
Labels	:8
Environmental hazards	:no

IMDG

UN number	1903
Proper shipping name	Disinfectant, liquid, corrosive, n.o.s. (Dialkyldimethylammonium chloride)
Transport hazard class	8
Packing Group	III
Labels	8
EmS Number 1	F-A
EmS Number 2	S-B
Environmental Hazards	Marine pollutant: no

ADR

UN number	1903
Proper shipping name	DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (Dialkyldimethylammonium chloride)
Transport hazard class	8
Packing group	III
Classification Code	C9
Hazard Identification Number	80
Labels	
Environmental Hazards	8 no

RID

UN number	1903
Proper shipping name	DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (Dialkyldimethylammonium chloride)
Transport hazard class	8
Packing group	III
Classification Code	C9
Hazard Identification Number	80
Labels	
Environmental hazards	8 no

DOT

<u>UN number</u>	1903
<u>Proper shipping name</u>	Disinfectants, liquid, corrosive n.o.s. (Dialkyldimethylammonium chloride)
<u>Transportation hazard class</u>	8
<u>Packing group</u>	III
<u>Labels</u>	8
<u>Emergency Response Guidebook Number</u>	153
<u>Environmental hazards</u>	no

TOG

UN number	1903
Proper shipping name	Disinfectants, liquid, corrosive n.o.s. (Dialkyldimethylammonium chloride)
Transport hazard class	8
Packing group	III
Labels	8
Environmental hazards	no
Special precautions for user	none
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable

Note: Quantities less than 1.3 gallons qualify for Limited Quantity exception.

15. REGULATORY INFORMATION

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SOS), and for workplace labels of non-pesticide chemicals.

Signal Word	DANGER!
Hazard Statement	Causes substantial but temporary eye injury. Corrosive Causes skin burns Corrosive causes irreversible eye damage This pesticide is toxic to fish This pesticide is toxic to aquatic invertebrates

EPCRA - Emergency Planning and Community Right-to-Know Act

SARA 311/312 Hazards Acute Health Hazard

SARA 302
No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302

SARA 313
This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313

US State Regulations

Massachusetts Right To Know	Orthophosphoric acid	7664-38-2
	Oxalic acid	144-62-7
Pennsylvania Right To Know	Orthophosphoric acid	7664-38-2
	Oxalic acid	144-62-7
New Jersey Right To Know	Orthophosphoric acid	7664-38-2
	Oxalic acid	144-62-7
California Prop 65	This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.	

16. OTHER INFORMATION

Issue Date:

Revision Date:

Revision Note:

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 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.

End of Safety Data Sheet