

SAFETY DATA SHEET

according to 29 CFR 1910.1200 and GHS

Page 1/9

PI-2500

Revision 1
Revision date 2018-10-24

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name	PI-2500
Product code	433022, 433500

1.2. Relevant identified uses of the substance or mixture and uses advised against

Product Use	[SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites; [PC35] Washing and cleaning products (including solvent based products);
Description	Cleaner.

1.3. Details of the supplier of the safety data sheet

Company	Neogen Corporation
Address	620 Leshler Place Lansing MI 48912 USA
Web	www.neogen.com
Telephone	517-372-9200/800-234-5333
Email	regulatorysupport@neogen.com

1.4. Emergency telephone number

Emergency telephone number	1-800-234-5333
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Further information

Manufactured By:	Preserve International 944 Nandino Blvd. Lexington, KY 40511-1205 U.S.A.
Hotline(s):	Preserve International is a wholly-owned subsidiary of Neogen Corporation. Medical: United States (1-800-498-5743), International (1-651-523-0318). Spill/CHEMTREC: United States (1-800-424-9300), International (1-703-527-3887).

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.2. Classification - GHS	Skin Corr. 1A: H314;
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2.2. Label elements

Hazard pictograms



PI-2500

Revision 1
Revision date 2018-10-24

2.2. Label elements

Signal Word	Danger
Hazard Statement	Skin Corr. 1A: H314 - Causes severe skin burns and eye damage.
Precautionary Statement: Prevention	P260 - Do not breathe dust/fume/gas/mist/vapours/spray. P264 - Wash thoroughly after handling.
Precautionary Statement: Response	P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting. P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

2.3. Other hazards

Other hazards	No data is available on this product.
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SECTION 3: Composition/information on ingredients

3.2. Mixtures

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Sodium tripolyphosphate		7758-29-4	231-838-7		1 - 10%	Skin Irrit. 2: H315; Eye Irrit. 2: H319; STOT SE 3: H335;
Disodium metasilicate	014-010-00-8	6834-92-0	229-912-9		1 - 10%	Skin Corr. 1B: H314; STOT SE 3: H335;
Potassium hydroxide	019-002-00-8	1310-58-3	215-181-3		10 - 20%	Acute Tox. 4: H302; Skin Corr. 1A: H314;
Sodium (C14-16) olefin sulfonate		68439-57-6			1 - 10%	Acute Tox. 4: H302; Skin Irrit. 2: H315; Eye Irrit. 2: H319; Aquatic Acute 2: H401; Aquatic Chronic 3: H412;
Sodium hypochlorite, solution...% Cl active	017-011-00-1	7681-52-9	231-668-3		1 - 10%	EUH031; Skin Corr. 1B: H314; Aquatic Acute 1: H400;
Jarfactant-L30		137-16-6	205-281-5		1 - 10%	Eye Irrit. 2: H319;
Coco-dimethylamine-oxide		61788-90-7	263-016-9		1 - 10%	Eye Dam. 1: H318;

Further information

	The exact percentage (concentration) of composition has been withheld as a trade secret.
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SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	In case of accident by inhalation: remove casualty to fresh air and keep at rest.
Eye contact	Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Contact lenses should be removed.
Skin contact	Remove contaminated clothing. Wash off immediately with plenty of soap and water.
Ingestion	DO NOT INDUCE VOMITING. Rinse mouth thoroughly. Never give anything by mouth to an unconscious person.

4.2. Most important symptoms and effects, both acute and delayed

Inhalation	May cause irritation to respiratory system.
Eye contact	Causes severe burns. Risk of serious damage to eyes.
Skin contact	Causes severe burns.

PI-2500

Revision 1
Revision date 2018-10-24

4.2. Most important symptoms and effects, both acute and delayed

Ingestion	Ingestion may cause nausea and vomiting. May cause irritation to mucous membranes.
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4.3. Indication of any immediate medical attention and special treatment needed

Inhalation	Seek medical attention if irritation or symptoms persist.
Eye contact	Seek medical attention.
Skin contact	Seek medical attention if irritation or symptoms persist.
Ingestion	If you feel unwell, seek medical advice (show the label where possible).

SECTION 5: Firefighting measures**5.1. Extinguishing media**

	Use extinguishing media appropriate to the surrounding fire conditions.
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5.2. Special hazards arising from the substance or mixture

	Heat will increase pressure in sealed containers. Cool fire exposed containers with waterspray. Burning produces irritating, toxic and obnoxious fumes.
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5.3. Advice for firefighters

	In case of fire and/or explosion do not breathe fumes. Wear suitable respiratory equipment when necessary.
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SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

	Avoid contact with skin and eyes. Wear suitable protective clothing and eye/face protection. Wear suitable respiratory equipment when necessary. Wash hands after handling the product. Ensure adequate ventilation of the working area.
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6.2. Environmental precautions

	Do not allow product to enter drains. Prevent further spillage if safe.
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6.3. Methods and material for containment and cleaning up

	Absorb with inert, absorbent material. Transfer to suitable, labelled containers for disposal.
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6.4. Reference to other sections

	See section 2, 8 & 13 for further information.
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SECTION 7: Handling and storage**7.1. Precautions for safe handling**

	Adopt best Manual Handling considerations when handling, carrying and dispensing. Avoid contact with eyes and skin. Wear suitable protective clothing and eye/face protection. Ensure adequate ventilation of the working area.
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7.2. Conditions for safe storage, including any incompatibilities

	Keep containers tightly closed. Keep in a cool, dry, well ventilated area. Store in correctly labelled containers. Store at temperatures between 20 °C and 25 °C.
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7.3. Specific end use(s)

	See section 1.2 for further information.
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SECTION 8: Exposure controls/personal protection**8.1. Control parameters**

PI-2500

Revision 1
Revision date 2018-10-24


8.1. Control parameters

	Occupational exposure controls.
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Exposure Limit Values

Potassium hydroxide	ACGIH TLV TWA: - Notations: - OSHA PEL 8hr TWA mg m3: - NIOSH REL 10hr TWA ppm: - NIOSH REL 15 min ST ppm: -	ACGIH TLV STEL: C 2 mg/m ³ OSHA PEL 8hr TWA ppm: - Skin Designation: - NIOSH REL 10hr TWA mg m3: - NIOSH REL 15 min ST mg m3: -
Sodium hydroxide	ACGIH TLV TWA: - Notations: - OSHA PEL 8hr TWA mg m3: 2 NIOSH REL 10hr TWA ppm: - NIOSH REL 15 min ST ppm: -	ACGIH TLV STEL: C 2 mg/m ³ OSHA PEL 8hr TWA ppm: - Skin Designation: - NIOSH REL 10hr TWA mg m3: - NIOSH REL 15 min ST mg m3: -

8.2. Exposure controls

	
Appropriate engineering controls	Ensure adequate ventilation of the working area.
Individual protection measures	Wear suitable protective clothing.
Eye / face protection	Wear:.. Approved safety goggles.
Skin protection - Hand protection	Wear:.. Chemical resistant gloves.
Skin protection - Other	Wear suitable protective clothing.
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment.
Occupational exposure controls	Keep away from food, drink and animal feed and/ or feed products.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

PI-2500

Revision 1
Revision date 2018-10-24

9.1. Information on basic physical and chemical properties

State	Liquid
Color	Light yellow
Odor	Mild/Chlorine
Odour threshold	No data available
pH	> 12.5
Melting point	No data available
Freezing Point	No data available
Boiling point	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability limits	No data available
Vapor pressure	No data available
Vapor density	No data available
Fat Solubility	No data available
Partition coefficient	No data available
Autoignition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidising properties	No data available
Solubility	Soluble in water

9.2. Other information

Conductivity	No data available
Surface tension	No data available
Specific gravity	1.16 - 1.22 g/cm ³
Gas group	No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

	No data available.
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10.2. Chemical stability

	Stable under normal conditions.
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10.3. Possibility of hazardous reactions

	No data available.
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10.4. Conditions to avoid

	Heat, sparks and open flames. Heat will increase pressure in sealed containers.
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10.5. Incompatible materials

	Acids.
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10.6. Hazardous decomposition products

	Burning produces irritating, toxic and obnoxious fumes.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	No data available.
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PI-2500

Revision 1
Revision date 2018-10-24

11.1. Information on toxicological effects

Skin corrosion/irritation	Causes severe burns.
Serious eye damage/irritation	Causes serious eye damage.
Respiratory or skin sensitisation	No data available.
Germ cell mutagenicity	No data available.
Carcinogenicity	Not listed in the National Toxicology Program (NTP) 13th Report on Carcinogens. Not listed in the OSHA standard 1910.1003 Carcinogens. Not found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs, Volumes 1-112.
Reproductive toxicity	No data available.
STOT-single exposure	No data available.
STOT-repeated exposure	No data available.
Aspiration hazard	No data available.
Repeated or prolonged exposure	Avoid prolonged or repeated exposure.

11.1.4. Toxicological information

Disodium metasilicate	Oral Rat LD50: 1152 mg/kg	
Potassium hydroxide	Oral Rat LD50: 273 mg/kg	
Sodium hypochlorite, solution...% Cl active	Oral Rat LD50: 8200 mg/kg	Dermal Rabbit LD50: > 10000 mg/kg

SECTION 12: Ecological information

12.1. Toxicity

Disodium metasilicate	Fish LC50/96h: 210 mg/l	
Potassium hydroxide	Fish LC50/96h: 80 mg/l	
Sodium hydroxide	Fish LC50/96h: 125.000000 mg/l	Rainbow trout LC50/96h: 45.4 mg/l

12.2. Persistence and degradability

	No data available.
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12.3. Bioaccumulative potential

	No data available.
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Partition coefficient

	PI-2500 No data available
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12.4. Mobility in soil

	No data available.
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12.5. Results of PBT and vPvB assessment

	No data available.
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12.6. Other adverse effects

	No data available.
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SECTION 13: Disposal considerations

13.1. Waste treatment methods

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PI-2500

Revision 1
Revision date 2018-10-24

13.1. Waste treatment methods

Dispose of in compliance with all local and national regulations.

Disposal methods

Contact a licensed waste disposal company.

Disposal of packaging

Do NOT reuse empty containers. Empty containers can be sent for disposal or recycling.

SECTION 14: Transport information

Hazard pictograms



14.1. UN number

UN3266

14.2. UN proper shipping name

CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (Potassium hydroxide mixture)

14.3. Transport hazard class(es)

DOT	8
Subsidiary risk	-
IMDG	8
Subsidiary risk	-
IATA	8
Subsidiary risk	-

14.4. Packing group

Packing group II

14.5. Environmental hazards

Environmental hazards	No
Marine pollutant	No

14.6. Special precautions for user

No data available.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable.

DOT

Hazard ID	80
Tunnel Category	(E)

IMDG

EmS Code F-A S-B

IATA

Packing Instruction (Cargo) 855

PI-2500

Revision 1
Revision date 2018-10-24

IATA

Maximum quantity	30 L
Packing Instruction (Passenger)	851
Maximum quantity	1 L

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Regulations	<p>Hazard Communication Standard: 29 Code of Federal Regulations 1910.1200: Occupational Safety and Health Standards: Z: Toxic and Hazardous Substances: Hazard Communication.</p> <p>All chemicals in this product are TSCA listed or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory. TSCA - United States Toxic Substances Control Act Section 8(b) Inventory.</p> <p>US State Regulations:</p> <p>New Jersey Right-to-Know Hazardous Substance List: Potassium hydroxide, Sodium hypochlorite</p> <p>Pennsylvania Right-to-Know Hazardous Substance List: Potassium hydroxide, Sodium hypochlorite.</p> <p>Massachusetts Right-to-Know Hazardous Substance List: Potassium hydroxide, Sodium hypochlorite.</p> <p>Rhode Island Right-to-Know Hazardous Substance List: Potassium hydroxide, Sodium hypochlorite.</p>
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15.2. Chemical safety assessment

	No data is available on this product.
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Inventories

Ingredient	TSCA	MA	SARA313	CALPROP65	CWA307	CAA112	CWA311	SARA302	SARA304
Disodium metasilicate (Silicic acid (H ₂ SiO ₃), disodium salt)	Y	N	N	N	N	N	N	N	N
Potassium hydroxide (Potassium hydroxide (K(OH)))	Y	N	N	N	N	N	Y	N	N
Sodium hypochlorite, solution...% Cl active (Hypochlorous acid, sodium salt)	Y	N	N	N	N	N	Y	N	N
Diphosphoric acid sodium salt (1:4) (Diphosphoric acid, tetrasodium salt)	Y	N	N	N	N	N	N	N	N
Sodium hydroxide (Sodium hydroxide (Na(OH)))	Y	N	N	N	N	N	Y	N	N

SECTION 16: Other information

Other information

Revision	<p>This document differs from the previous version in the following areas:.</p> <p>1 - Description.</p> <p>1 - Product Use.</p> <p>1 - Further information.</p> <p>1 - Manufactured By:.</p> <p>1 - Hotline(s):.</p> <p>2 - 2.1.2. Classification - GHS.</p> <p>2 - Hazard pictograms.</p>
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PI-2500

Revision 1
Revision date 2018-10-24

Other information

	<p>9 - 9.1. Information on basic physical and chemical properties (Color). 9 - 9.1. Information on basic physical and chemical properties (Relative density). 9 - 9.2. Other information (Specific gravity). 10 - 10.5. Incompatible materials. 11 - Carcinogenicity. 12 - 12.1. Toxicity. 14 - DOT. 14 - IMDG. 14 - IATA. 15 - Regulations.</p>
<p>Text of Hazard Statements in Section 3</p>	<p>Skin Irrit. 2: H315 - Causes skin irritation. Eye Irrit. 2: H319 - Causes serious eye irritation. STOT SE 3: H335 - May cause respiratory irritation. Skin Corr. 1B: H314 - Causes severe skin burns and eye damage. Acute Tox. 4: H302 - Harmful if swallowed. Skin Corr. 1A: H314 - Causes severe skin burns and eye damage. Aquatic Acute 2: H401 - Toxic to aquatic life. Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects. EUH031 - Contact with acids liberates toxic gas. Aquatic Acute 1: H400 - Very toxic to aquatic life. Eye Dam. 1: H318 - Causes serious eye damage.</p>

Further information

	<p>DISCLAIMER: The information and recommendations set forth herein ("Information") are presented in good faith and believed to be correct as of the date issued. No representation is made regarding the completeness or accuracy of the Information. Further, because of the many factors that affect the use of this product, the Information is supplied upon the condition that the person(s) receiving it will make their own determination regarding its suitability for their own unique purpose(s), prior to use.</p> <p>Except as expressly stated herein, NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, COURSE OF PERFORMANCE, USAGE OF TRADE, OR RESULTS TO BE OBTAINED BY USE OF THIS PRODUCT are made with respect to this product or use of this product. The product covered is furnished "as is" and only subject to the warranties herein provided, no liability is assumed resulting from the use of this product.</p>
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