

SAFETY DATA SHEET

SECTION 1. IDENTIFICATION

Product identifier used on the label

: **FPPF Truck Wash**

Product Code(s) : 00361, 00362P, 00363

Recommended use of the chemical and restrictions on use

: Vehicle wash
No restrictions on use known.

Chemical family : Mixture.

Name, address, and telephone number of the manufacturer:

FPPF Chemical Company, Inc.

117 West Tupper Street
Buffalo, NY, USA
14201

Manufacturer's Telephone # : 1-800-735-3773

24 Hr. Emergency Tel # : Chemtrec 1-800-424-9300 (Within Continental U.S.); Chemtrec 703-527-3887 (Outside U.S.).

Name, address, and telephone number of the supplier:

Refer to manufacturer

SECTION 2. HAZARDS IDENTIFICATION

Classification of the chemical

Orange liquid. Faint odour.

This material is classified as hazardous under U.S. OSHA regulations (29CFR 1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015).

Classification:

Skin Corrosion/Irritation - Category 1

Serious eye damage/eye irritation - Category 1

Label elements

Hazard pictogram(s)



Signal Word

DANGER!

Hazard statement(s)

Causes severe skin burns and eye damage.

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Precautionary statement(s)

Do not breathe dust or mist.
Wash hands and face thoroughly after handling.
Wear protective gloves/clothing and eye/face protection.

Immediately call a POISON CENTER or doctor/physician.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before re-use.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Store locked up.

Dispose of contents/container in accordance with local regulation.

Other hazards

No OSHA defined hazard classes.

Other hazards which do not result in classification: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. If mists are formed, inhalation may cause moderate irritation of the nose, throat and respiratory tract. Prolonged or repeated contact may cause drying, cracking and defatting of the skin.

Environmental precautions: Avoid release to the environment. See ECOLOGICAL INFORMATION, Section 12.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical name</u>	<u>Common name and synonyms</u>	<u>CAS #</u>	<u>Concentration (% by weight)</u>
Water	Dihydrogen oxide	7732-18-5	80.0 - 100.0
sodium metasilicate - pentahydrate	Sodium silicate	6834-92-0	1.0 - 5.0
Tetrasodium ethylenediamine tetraacetate	Edetate sodium; Edetic acid tetrasodium salt; Na ₄ EDTA; Tetrasodium EDTA	64-02-8	1.0 - 5.0
Sodium xylene sulphonate	Sodium dimethylbenzene sulfonate; Benzene sulfonic acid; Dimethyl, sodium salt; Xylene sulfonic acid, sodium salt	1300-72-7	1.0 - 5.0
Sodium lauryl ether sulphate	(C10-C16)Alkyl ethoxylate sulfuric acid, sodium salt	68585-34-2	1.0 - 5.0
Sulfuric acid disodium salt	Sodium sulfate decahydrate; Disodium sulphate Sodium sulphate	7757-82-6	0.1 - 1.0
sodium hydroxide	Caustic soda soda lye	1310-73-2	0.1 - 1.0

The exact concentrations of the above listed chemicals are being withheld as a trade secret.

SECTION 4. FIRST-AID MEASURES

Description of first aid measures

- Ingestion* : IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep victim's head lowered (forward) to reduce the risk of aspiration.
- Inhalation* : IF INHALED: Remove person to fresh air and keep comfortable for breathing. If breathing is difficult, give oxygen by qualified medical personnel only. If breathing has stopped, give artificial respiration. Get medical attention if symptoms persist.

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Skin contact : IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Flush skin with large amounts of water. Immediately call a POISON CENTER or doctor/physician. Wash contaminated clothing before re-use.

Eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Flush eyes with water for at least 20 minutes. Immediately call a POISON CENTER or doctor/physician.

Most important symptoms and effects, both acute and delayed

: Causes severe skin burns and eye damage. Symptoms may include severe pain, blurred vision, redness and corrosive damage. Direct skin contact may cause corrosive skin burns, deep ulcerations and possibly permanent scarring. May cause severe irritation to the nose, throat and respiratory tract. Symptoms may include coughing, choking and wheezing. Ingestion may cause severe irritation to the mouth, throat and stomach. Symptoms include: Gastrointestinal discomfort, nausea, vomiting, cramping and diarrhea.

Indication of any immediate medical attention and special treatment needed

: Immediate medical attention is required. Causes burns. Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media

: Dry chemical, foam, carbon dioxide and water fog.

Unsuitable extinguishing media

: Do not use a solid water stream as it may scatter and spread fire.

Special hazards arising from the substance or mixture / Conditions of flammability

: Not flammable under normal conditions of use. Closed containers may rupture if exposed to excess heat or flame due to a build-up of internal pressure.

Flammability classification (OSHA 29 CFR 1910.106)

: Non-flammable.

Hazardous combustion products

: Carbon oxides; Silicon oxides; Sulfur oxides; Sodium oxides; irritating fumes and smoke.

Special protective equipment and precautions for firefighters

Protective equipment for fire-fighters

: Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode.

Special fire-fighting procedures

: Move containers from fire area if safe to do so. Cool closed containers exposed to fire with water spray. Prevent runoff from fire control or dilution from entering sewers, drains, drinking water supply or any natural waterway. Dike for water control.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

: Keep all other personnel upwind and away from the spill/release. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure clean-up is conducted by trained personnel only. All persons dealing with clean-up should wear the appropriate protective equipment including self-contained breathing apparatus. Individuals involved in the cleanup must wear alkali resistant personal protective equipment. Restrict access to area until completion of clean-up. Refer to protective measures listed in sections 7 and 8.

Environmental precautions : Ensure spilled product does not enter drains, sewers, waterways, or confined spaces. If necessary, dike well ahead of the spill to prevent runoff into drains, sewers, or any natural waterway or drinking supply.

Methods and material for containment and cleaning up

: Ventilate the area. Prevent further leakage or spillage if safe to do so. Dilute alkali with water and neutralize with acids (e.g. acetic acid/vinegar) For spilled liquids: absorb spill with inert, non-combustible material such as sand, then place into suitable containers. Pick up and transfer to properly labeled containers. Contaminated absorbent material may pose the same hazards as the spilled product. Contact the proper local authorities.

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Special spill response procedures

- : In case of a transportation accident, in the United States contact CHEMTREC at 1-800-424-9300 or International at 1-703-527-3887. If a spill/release in excess of the EPA reportable quantity is made into the environment, immediately notify the national response center in the United States (phone: 1-800-424-8802).
- US CERCLA Reportable quantity (RQ):
sodium hydroxide (100 lbs / 45.4 kg)

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling

- : Wear protective gloves and eye/face protection. Wash hands and face thoroughly after handling. Do not ingest. Do not eat, drink, smoke or use cosmetics while working with this product. Avoid breathing vapour or mist. Avoid contact with skin, eyes and clothing. Avoid contact with incompatible materials.

Conditions for safe storage

- : Store in a cool, dry, well-ventilated area. Store away from incompatibles and out of direct sunlight. Storage area should be clearly identified, clear of obstruction and accessible only to trained and authorized personnel. Inspect periodically for damage or leaks. No smoking in the area.

Incompatible materials

- : Strong acids, bases and oxidizing or reducing agents.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Exposure Limits:</u>				
<u>Chemical Name</u>	<u>ACGIH TLV</u>		<u>OSHA PEL</u>	
	<u>TWA</u>	<u>STEL</u>	<u>PEL</u>	<u>STEL</u>
Water	N/Av	N/Av	N/Av	N/Av
sodium metasilicate - pentahydrate	N/Av	N/Av	N/Av	N/Av
Tetrasodium ethylenediamine tetraacetate	N/Av	N/Av	N/Av	N/Av
Sodium xylene sulphonate	N/Av	N/Av	N/Av	N/Av
Sodium lauryl ether sulphate	N/Av	N/Av	N/Av	N/Av
Sulfuric acid disodium salt	N/Av	N/Av	N/Av	N/Av
sodium hydroxide	2 mg/m ³ (Ceiling)	N/Av	2mg/m ³ (Ceiling)	N/Av

Exposure controls

Ventilation and engineering measures

- : Use in a well-ventilated area. Apply technical measures to comply with the occupational exposure limits. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. In case of insufficient ventilation wear suitable respiratory equipment.

Respiratory protection

- : If engineering controls and work practices are not effective in controlling exposure to this material, then wear suitable approved respiratory protection. If the TLV is exceeded, a NIOSH/MSHA-approved respirator is advised. Respirators should be selected based on the form and concentration of contaminants in air, and in accordance with OSHA (29 CFR 1910.134) or CSA Z94.4-02.

Skin protection :

Wear protective gloves. Where extensive exposure to product is possible, use resistant coveralls, apron and boots to prevent contact. The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Eye / face protection

- : Chemical splash goggles must be worn when handling this material. A full face shield may also be necessary.

Other protective equipment

- : Ensure that eyewash stations and safety showers are close to the workstation location. Other equipment may be required depending on workplace standards.

General hygiene considerations

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: Do not breathe mist or vapor. Avoid contact with skin, eyes and clothing. Do not eat, drink, smoke or use cosmetics while working with this product. Upon completion of work, wash hands before eating, drinking, smoking or use of toilet facilities. Remove and wash contaminated clothing before re-use. Handle in accordance with good industrial hygiene and safety practice.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Clear liquid.
Odour : Faint odour.
Odour threshold : N/Av
pH : 13.0
Melting/Freezing point : N/Av
Initial boiling point and boiling range
: 103°C / 217°F
Flash point : >200°F / >93.3°C
Flashpoint (Method) : Tag closed cup
Evaporation rate (BuAe = 1) : N/Av
Flammability (solid, gas) : N/Av
Lower flammable limit (% by vol.)
: N/Av
Upper flammable limit (% by vol.)
: N/Av
Oxidizing properties : None known.
Explosive properties : N/Av
Vapour pressure : N/Av
Vapour density : N/Av
Relative density / Specific gravity
: 1.075
Solubility in water : Soluble
Other solubility(ies) : N/Av
Partition coefficient: n-octanol/water or Coefficient of water/oil distribution
: N/Av
Auto-ignition temperature : N/Av
Decomposition temperature : N/Av
Viscosity : N/Av
Volatiles (% by weight) : N/Av
Volatile organic Compounds (VOC's)
: N/Av
Absolute pressure of container
: N/Av
Flame projection length : N/Av
Other physical/chemical comments
: None reported by the manufacturer.

SECTION 10. STABILITY AND REACTIVITY

Reactivity : Not normally reactive.
Chemical stability : Stable under normal conditions.
Possibility of hazardous reactions
: Hazardous polymerization will not occur. Decomposition may occur at extremely high temperatures.
Conditions to avoid : Ensure adequate ventilation, especially in confined areas. Keep away from direct sunlight. Avoid contact with incompatible materials.
Incompatible materials : Strong acids, bases and oxidizing or reducing agents.
Hazardous decomposition products
: None reported by the manufacturer. Refer also to hazardous combustion products, Section 5.

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SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

Routes of entry inhalation : YES

Routes of entry skin & eye : YES

Routes of entry Ingestion : YES

Routes of exposure skin absorption
: NO

Potential Health Effects:**Signs and symptoms of short-term (acute) exposure***Sign and symptoms Inhalation*

: May cause severe irritation to the nose, throat and respiratory tract. Symptoms may include coughing, choking and wheezing.

Sign and symptoms ingestion

: Ingestion may cause severe irritation to the mouth, throat and stomach. Symptoms include: Gastrointestinal discomfort, nausea, vomiting, cramping and diarrhea.

Sign and symptoms skin

: Causes severe burns. Direct skin contact may cause corrosive skin burns, deep ulcerations and possibly permanent scarring.

Sign and symptoms eyes

: Causes serious eye damage. Symptoms may include severe pain, blurred vision, redness and corrosive damage.

Potential Chronic Health Effects

: Prolonged exposure may cause chronic effects.

Mutagenicity

: Not expected to be mutagenic in humans.

Carcinogenicity

: No components are listed as carcinogens by ACGIH, IARC, OSHA or NTP.

Reproductive effects & Teratogenicity

: Not expected to cause reproductive effects.

Sensitization to material

: Not expected to be a skin sensitizer.
Not expected to be a respiratory sensitizer.

Specific target organ effects

: Eyes, skin, respiratory system, digestive system.

Not classified as a specific target organ toxicity-single exposure.
Not classified as specific target organ toxicity-repeated exposure.

Medical conditions aggravated by overexposure

: Pre-existing skin and respiratory disorders.

Synergistic materials

: None reported by the manufacturer.

Toxicological data

: There is no data available for this product.

The calculated ATE values for this mixture are:

ATE oral = 6329 mg/kg

ATE dermal = Not applicable.

ATE inhalation (dust/mist) = Not applicable.

See below for individual ingredient acute toxicity data.

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<u>Chemical name</u>	<u>LC₅₀(4hr)</u> <u>inh, rat</u>	<u>LD₅₀</u>	
		<u>(Oral, rat)</u>	<u>(Rabbit, dermal)</u>
Water	N/Av	>90 mL/kg	N/Av
sodium metasilicate - pentahydrate	> 2.06 mg/L (mist) (No mortality)	1152 - 1349 mg/kg	> 5000 mg/kg (No mortality)
Tetrasodium ethylenediamine tetraacetate	N/Av	1700 - 1913 mg/kg	N/Av
Sodium xylene sulphonate	> 6.41 mg/L (aerosol) (No mortality)	7200 mg/kg	> 2000 mg/kg (No mortality)
Sodium lauryl ether sulphate	N/Av	>2000mg/kg	> 2000 mg/kg
Sulfuric acid disodium salt	> 2.4 mg/L (dust) (No mortality)	> 5000 mg/kg	N/Av
sodium hydroxide	N/Av	N/Av	N/Av

Other important toxicological hazards

: None known or reported by the manufacturer.

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity** : No data is available on the product itself.

See the following tables for individual ingredient ecotoxicity data.

Ecotoxicity data:

<u>Ingredients</u>	<u>CAS No</u>	<u>Toxicity to Fish</u>		
		<u>LC50 / 96h</u>	<u>NOEC / 21 day</u>	<u>M Factor</u>
Water	7732-18-5	N/Av	N/Av	N/Av
sodium metasilicate - pentahydrate	6834-92-0	260 - 310 mg/L (Rainbow trout)	N/Av	None.
Tetrasodium ethylenediamine tetraacetate	64-02-8	792 mg/L (medium hard water) (Bluegill sunfish)	26.8mg/L (35 day) (Zebra fish) (Read-across)	None.
Sodium xylene sulphonate	1300-72-7	> 400 mg/L (Fathead minnow)	N/Av	None.
Sodium lauryl ether sulphate	68585-34-2	15 mg/L (Rainbow trout)	0.12mg/L 28-day (Rainbow trout) (Read-across)	None.
Sulfuric acid disodium salt	7757-82-6	7960 mg/L (Fathead minnow)	N/Av	None.
sodium hydroxide	1310-73-2	125 mg/L (Mosquito fish)	N/Av	None.

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<u>Ingredients</u>	CAS No	<u>Toxicity to Daphnia</u>		
		<u>EC50 / 48h</u>	<u>NOEC / 21 day</u>	<u>M Factor</u>
Water	7732-18-5	N/Ap	N/Ap	N/Ap
sodium metasilicate - pentahydrate	6834-92-0	1700 mg/L (Daphnia magna)	N/Av	None.
Tetrasodium ethylenediamine tetraacetate	64-02-8	625 mg/L/24hr (Daphnia magna)	22 mg/L Daphnia magna (Water flea)	None.
Sodium xylene sulphonate	1300-72-7	> 408 mg/L (Daphnia magna)	N/Av	None.
Sodium lauryl ether sulphate	68585-34-2	18 mg/L (Daphnia magna)	0.72 mg/L (Daphnia magna) (Read-across)	None.
Sulfuric acid disodium salt	7757-82-6	1766 mg/L (Daphnia magna)	N/Av	None.
sodium hydroxide	1310-73-2	40 mg/L (Daphnia magna)	N/Av	None.

<u>Ingredients</u>	CAS No	<u>Toxicity to Algae</u>		
		<u>EC50 / 96h or 72h</u>	<u>NOEC / 96h or 72h</u>	<u>M Factor</u>
Water	7732-18-5	N/Ap	N/Ap	N/Ap
sodium metasilicate - pentahydrate	6834-92-0	> 345 mg/L/72hr (Green algae)	160 mg/L/72hr	None.
Tetrasodium ethylenediamine tetraacetate	64-02-8	2.77mg/L/72hr (Green algae)	0.39mg/L/72hr	None.
Sodium xylene sulphonate	1300-72-7	230 mg/L/96hr (Green algae)	> 240 mg/L/96hr	None.
Sodium lauryl ether sulphate	68585-34-2	N/Av	0.35 mg/L/72hr (Green algae) (Read-across)	None.
Sulfuric acid disodium salt	7757-82-6	N/Av	N/Av	N/Av
sodium hydroxide	1310-73-2	N/Av	N/Av	N/Av

Persistence and degradability

: No data is available on the product itself. The following ingredients are considered to be readily biodegradable: Sodium xylenesulfonate, Sodium lauryl ether sulphate

Bioaccumulation potential

: No data is available on the product itself.

See the following data for ingredient information.

<u>Components</u>	<u>Partition coefficient n-octanol/water (log Kow)</u>	<u>Bioconcentration factor (BCF)</u>
Water (CAS 7732-18-5)	-1.38	N/Ap
sodium metasilicate - pentahydrate (CAS 6834-92-0)	N/Ap	Not expected to bioaccumulate
Tetrasodium ethylenediamine tetraacetate (CAS 64-02-8)	-13.17 (estimated)	Not expected to bioaccumulate
Sodium xylene sulphonate (CAS 1300-72-7)	- 3.12	0.500 (estimate)
Sodium lauryl ether sulphate (CAS 68585-34-2)	N/Ap	Not expected to bioaccumulate
Sulfuric acid disodium salt (CAS 7757-82-6)	- 3	0.5 (calculated)
sodium hydroxide (CAS 1310-73-2)	N/Ap	N/Ap

Mobility in soil : No data is available on the product itself.

Other Adverse Environmental effects

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: The ecological characteristics of this product have not been fully investigated. The product should not be allowed to enter drains or water courses, or be deposited where it can affect ground or surface waters.



SECTION 13. DISPOSAL CONSIDERATIONS

Handling for Disposal : Handle in accordance with good industrial hygiene and safety practice. Refer to protective measures listed in sections 7 and 8.

Methods of Disposal : Dispose of in accordance with federal, provincial and local hazardous waste laws.

RCRA : If this product, as supplied, becomes a waste in the United States, it may meet the criteria of a hazardous waste as defined under RCRA, Title 40 CFR 261. It is the responsibility of the waste generator to determine the proper waste identification and disposal method. For disposal of unused or waste material, check with local, state and federal environmental agencies.

SECTION 14. TRANSPORT INFORMATION

Regulatory Information	UN Number	UN proper shipping name	Transport hazard class(es)	Packing Group	Label
49CFR/DOT	UN3253	Disodium trioxosilicate	8	III	
49CFR/DOT Additional information	May be shipped as a Limited Quantity when transported in containers no larger than 5 L (1.3 gallons); in packages not exceeding 30 kg (66 pounds) gross mass. Until December 31, 2020, a limited quantity package may be renamed as 'Consumer commodity' and reclassified as ORM-D, when shipping by ground within the United States. Refer to 49 CFR Section 173.154.				
TDG	UN3253	DISODIUM TRIOXOSILICATE	8	III	
TDG Additional information	May be shipped as 'Limited Quantity' or 'Consumer Commodity' when transported in containers no larger than 5.0 Litres; in packages not exceeding 30 kg gross mass. Under the TDG, refer to Section 1.17 for additional exemption requirements, if shipping under this exemption.				

Special precautions for user : Appropriate advice on safety must accompany the package.

Environmental hazards : This product does not meet the criteria for an environmentally hazardous mixture, according to the IMDG Code. See ECOLOGICAL INFORMATION, Section 12.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
: Not available.

SECTION 15 - REGULATORY INFORMATION

US Federal Information:

Components listed below are present on the following U.S. Federal chemical lists:

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<u>Ingredients</u>	CAS #	TSCA Inventory	CERCLA Reportable Quantity(RQ) (40 CFR 117.302):	SARA TITLE III: Sec. 302, Extremely Hazardous Substance, 40 CFR 355:	SARA TITLE III: Sec. 313, 40 CFR 372, Specific Toxic Chemical	
					Toxic Chemical	de minimus Concentration
Water	7732-18-5	Yes	N/Ap	N/Ap	No	N/Ap
sodium metasilicate - pentahydrate	6834-92-0	Yes	N/Ap	N/Ap	No	N/Ap
Tetrasodium ethylenediamine tetraacetate	64-02-8	Yes	N/Ap	N/Ap	No	N/Ap
Sodium xylene sulphonate	1300-72-7	Yes	N/Ap	N/Ap	No	N/Ap
Sodium lauryl ether sulphate	68585-34-2	Yes	N/Ap	N/Ap	No	N/Ap
Sulfuric acid disodium salt	7757-82-6	Yes	N/Ap	N/Ap	No	N/Ap
sodium hydroxide	1310-73-2	Yes	1000 lb/ 454 kg	N/Ap	No	N/Ap

SARA TITLE III: Sec. 311 and 312, SDS Requirements, 40 CFR 370 Hazard Classes: Health hazards (Skin corrosion ; Eye Damage). Under SARA Sections 311 and 312, the EPA has established threshold quantities for the reporting of hazardous chemicals. The current thresholds are 500 pounds or the threshold planning quantity (TPQ), whichever is lower, for extremely hazardous substances and 10,000 pounds for all other hazardous chemicals.

US State Right to Know Laws:

The following chemicals are specifically listed by individual States:

<u>Ingredients</u>	CAS #	California Proposition 65		State "Right to Know" Lists					
		Listed	Type of Toxicity	CA	MA	MN	NJ	PA	RI
Water	7732-18-5	No	Not listed	No	No	No	No	No	No
sodium metasilicate - pentahydrate	6834-92-0	No	Not listed	No	No	No	No	No	No
Tetrasodium ethylenediamine tetraacetate	64-02-8	No	Not listed	No	No	No	No	No	No
Sodium xylene sulphonate	1300-72-7	No	Not listed	No	No	No	No	No	No
Sodium lauryl ether sulphate	68585-34-2	No	Not listed	No	No	No	No	No	No
Sulfuric acid disodium salt	7757-82-6	No	Not listed	No	Yes	No	No	Yes	Yes
sodium hydroxide	1310-73-2	No	Not listed	Yes	Yes	Yes	Yes	Yes	Yes

Canadian Information:

Canadian Environmental Protection Act (CEPA) information: All ingredients listed appear on the Domestic Substances List (DSL).

WHMIS Classification: See Section 2.

International Information:

Components listed below are present on the following International Inventory list:

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Ingredients	CAS #	European EINECS	Australia AICS	Philippines PICCS	Japan ENCS	Korea KECI/KECL	China IECSC	NewZealand IOC
Water	7732-18-5	231-791-2	Present	Present	Not listed	KE-35400	Present	May be used as a single component chemical under an appropriate group standard.
sodium metasilicate - pentahydrate	6834-92-0	229-912-9	Present	Present	(1)-508	KE-12354	Present	HSR003511
Tetrasodium ethylenediamine tetraacetate	64-02-8	200-573-9	Present	Present	(2)-1265	KE-13654	Present	HSR003275
Sodium xylene sulphonate	1300-72-7	215-090-9	Present	Present	(3)-1909	KE-11217	Present	HSR003382
Sodium lauryl ether sulphate	68585-34-2	N/Av	Present	Present	(7)-120; (7)-155	KE-32438	Present	HSR003213
Sulfuric acid disodium salt	7757-82-6	231-820-9	Present	Present	(1)-501	KE-31609	Present	May be used as a single component chemical under an appropriate group standard.
sodium hydroxide	1310-73-2	215-185-5	Present	Present	(2)-1972; (1)-410	KE-31487	Present	HSR001547

SECTION 16. OTHER INFORMATION

Legend

- : ACGIH: American Conference of Governmental Industrial Hygienists
- AICS: Australian Inventory of Chemical Substances
- ATE: Acute Toxicity Estimate
- CA: California
- CAS: Chemical Abstract Services
- CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act of 1980
- CFR: Code of Federal Regulations
- CSA: Canadian Standards Association
- DOT: Department of Transportation
- EC50: Effective Concentration 50%
- EINECS: European Inventory of Existing Commercial chemical Substances
- ENCS: Existing and New Chemical Substances
- EPA: Environmental Protection Agency
- HMIS: Hazardous Materials Identification System
- HSDB: Hazardous Substances Data Bank
- IARC: International Agency for Research on Cancer
- Inh: Inhalation
- IMDG: International Maritime Dangerous Goods
- KECI: Korean Existing Chemicals Inventory
- KECL: Korean Existing Chemicals List
- LC: Lethal Concentration
- LD: Lethal Dose
- MA: Massachusetts
- MN: Minnesota
- MSHA: Mine Safety and Health Administration
- N/Av: Not Applicable
- N/Av: Not Available
- NFPA: National Fire Protection Association
- NIOSH: National Institute of Occupational Safety and Health
- NJ: New Jersey
- NTP: National Toxicology Program
- NOEC: No observable effect concentration
- OECD: Organisation for Economic Co-operation and Development
- OSHA: Occupational Safety and Health Administration
- PA: Pennsylvania

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PEL: Permissible exposure limit
 PICCS: Philippine Inventory of Chemicals and Chemical Substances
 RCRA: Resource Conservation and Recovery Act
 RI: Rhode Island
 RTECS: Registry of Toxic Effects of Chemical Substances
 SARA: Superfund Amendments and Reauthorization Act
 STEL: Short Term Exposure Limit
 TDG: Canadian Transportation of Dangerous Goods Act & Regulations
 TLV: Threshold Limit Values
 TPQ: Threshold Planning Quantity
 TSCA: Toxic Substance Control Act
 TWA: Time Weighted Average
 WHMIS: Workplace Hazardous Materials Identification System

- References** :
1. ACGIH, Threshold Limit Values for Chemical Substances and Physical Agents & Biological Exposure Indices for 2018.
 2. International Agency for Research on Cancer Monographs, searched 2018.
 3. Canadian Centre for Occupational Health and Safety, CCHInfoWeb databases, 2018 (Chempendium, HSDB and RTECs).
 4. Material Safety Data Sheets from manufacturer.
 5. US EPA Title III List of Lists - March 2015 version.
 6. California Proposition 65 List - November 23, 2018 version.
 7. OECD - The Global Portal to Information on Chemical Substances - eChemPortal, 2018.

Preparation Date (mm/dd/yyyy) : 08/14/2015

Reviewed Date SDS (dd/mm/yyyy) : 01/03/2019

Revision No. : 2

Revision Information : (M)SDS sections updated 2. HAZARDS IDENTIFICATION 4. FIRST AID MEASURES 15. REGULATORY INFORMATION 16. Other information

Other special considerations for handling : Provide adequate information, instruction and training for operators.

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