

STONE SOAP CO., INC

Safety Data Sheet Fire Wash Liquid Frictionless Presoak

SECTION 1: Identification

1.1 Product identifier

Product name	Fire Wash Liquid Frictionless Presoak
Product number	FW-105, 115, 130, 155
Brand	Stone Soap
Substance name	Automotive Presoak Detergent

1.4 Supplier's details

Name	Stone Soap Co., Inc
Address	2000 Pontiac Dr. Sylvan Lake, MI 48320 US
Telephone	248-706-1000
Fax	248-706-1001
email	sales@stonesoap.com

1.5 Emergency phone number(s)

Chemtrec 1-800-424-9300

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture

- Acute toxicity, dermal (chapter 3.1), Cat. 3
- Eye damage/irritation (chapter 3.3), Cat. 1
- Sensitization, skin (chapter 3.4), Cat. 1B
- Acute toxicity, oral (chapter 3.1), Cat. 4

2.2 GHS label elements, including precautionary statements

Pictogram



Signal word

Warning

Hazard statement(s)

H316	Causes mild skin irritation
H320	Causes eye irritation
H318	Causes serious eye damage
H317	May cause an allergic skin reaction
H302	Harmful if swallowed

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Precautionary statement(s)

P264	Wash ... thoroughly after handling.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P337+P313	If eye irritation persists: Get medical advice/attention.
P332+P313	If skin irritation occurs: Get medical advice/attention.
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.
P333+P313	If skin irritation or a rash occurs: Get medical advice/attention.
P301+P312	IF SWALLOWED: Call a POISON CENTER/doctor/.../if you feel unwell,

2.3 Other hazards which do not result in classification

Causes mild skin irritation

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Substance name Automotive Presoak Detergent

Hazardous components

1. WATER

Concentration 55 - 58 % (Weight)

Other names / synonyms WATER
CAS no. 7732-18-5

2. Sodium silicate

Concentration 9 - 12 %

Other names / synonyms Sodium silicate; Sodium water glass
CAS no. 1344-09-8

- Skin corrosion/irritation (chapter 3.2), Cat. 1B
- Specific target organ toxicity, single exposure (chapter 3.8), Cat. 3

H314 Causes severe skin burns and eye damage
H335 May cause respiratory irritation

3. SODIUM HYDROXIDE, LIQUID

Concentration 9 - 12 %

Other names / synonyms caustic soda; sodium hydroxide; SODIUM HYDROXIDE, LIQUID; SODIUM HYDROXIDE/ WATER 50/50 SOLUTION

EC no. 215-185-5
CAS no. 1310-73-2
Index no. 011-002-00-6

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- Skin corrosion/irritation (chapter 3.2), Cat. 1A

H314 Causes severe skin burns and eye damage

4. POTASSIUM HYDROXIDE Solution

Concentration 5 - 8 %

Other names / synonyms CAUSTIC POTASH; koh; LYE; POTASSA; POTASSIUM HYDRATE; POTASSIUM HYDROXIDE; POTASSIUMHYDROXIDE; UN 1813; UN 1814

EC no. 215-181-3

CAS no. 1310-58-3

Index no. 019-002-00-8

- Acute toxicity (chapter 3.1), Cat. 4

- Skin corrosion/irritation (chapter 3.2), Cat. 1A

H302 Harmful if swallowed

H314 Causes severe skin burns and eye damage

5. Proprietary nonionic surfactant blend

Concentration 6 - 9 %

Other names / synonyms Proprietary nonionic surfactant blend

- Acute toxicity, oral (chapter 3.1), Cat. 4

- Skin corrosion/irritation (chapter 3.2), Cat. 1B

- Hazardous to the aquatic environment - acute hazard (chapter 4.1), Cat. 3

- Hazardous to the aquatic environment - long-term hazard (chapter 4.1), Cat. 4

H302 Harmful if swallowed

H302+H312 Harmful if swallowed or in contact with skin

H314 Causes severe skin burns and eye damage

H410 Very toxic to aquatic life with long lasting effects

6. Ethylenediaminetetraacetic acid tetrasodium salt, 40%

Concentration 1 - 2 %

Other names / synonyms EDTA (Ethylenediaminetetraacetic acid, tetra-sodium salt hydrate); EDTA tetrasodium; EDTA, tetrasodium salt; Versene

CAS no. 64-02-8

7. SODIUM XYLENE SULFONATE

Concentration 2 - 5 %

Other names / synonyms XSX; XYLENESULFONIC ACID, SODIUM SALT

CAS no. 1300-72-7

8. Proprietary amphoteric surfactant blend

Concentration 2 - 4 %

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Other names / synonyms Proprietary amphoteric surfactant blend

- Acute toxicity, oral (chapter 3.1), Cat. 5
- Eye damage/irritation (chapter 3.3), Cat. 2A
- Skin corrosion/irritation (chapter 3.2), Cat. 3

H302 Harmful if swallowed
H315 Causes skin irritation
H318 Causes serious eye damage
H400 Very toxic to aquatic life

9. Aminophosphonic acid, aqueous solution

Concentration 2 - 4 %

Other names / synonyms Aminophosphonic acid, aqueous solution
CAS no. 6419-19-8

Trade secret statement (OSHA 1910.1200(i))

If Chemical Name/CAS number 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.

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

If inhaled	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Oxygen or artificial respiration may be necessary. Seek medical attention-if required.
In case of skin contact	Wash with large quantity of soap and water. Wash contaminated clothing before reuse. If skin irritation occurs, seek medical attention.
In case of eye contact	Rinse immediately with cool running water, including under eyelids for at least 15 minutes. Remove contact lenses, if present, after five minutes. continue rinsing eyes. If irritation continues, seek medical attention.
If swallowed	DO NOT induce vomiting. Drink one or two glasses of water. Seek medical attention immediately.

4.2 Most important symptoms/effects, acute and delayed

Direct contact may cause skin or eye irritation. May cause irritation to gastric/intestinal mucosa.

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Specific hazards arising from the chemical

None

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5.3 Special protective actions for fire-fighters

Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Evacuate personnel to safe areas. For personal protection see section 8.

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

6.3 Methods and materials for containment and cleaning up

Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13). Keep in suitable, closed containers for disposal.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Handle according to accepted industrial hygiene and safety practice. Use personal protective equipment (see section 8). Follow all label directions.

7.2 Conditions for safe storage, including any incompatibilities

Keep away from excessive heat or incompatible materials, oxidizers and reducing agents.

SECTION 8: Exposure controls/personal protection

8.2 Appropriate engineering controls

Use in well ventilated area. Eyewash and emergency showers should be available.

8.3 Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

None required

Thermal hazards

None

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Environmental exposure controls

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance/form	blue
Odor	Indistinct
Odor threshold	Not determined
pH	12.0-13.0
Melting point/freezing point	> 32F
Initial boiling point and boiling range	> 212F
Flash point	> 212F
Evaporation rate	N/A
Flammability (solid, gas)	N/A
Upper/lower flammability limits	N/A
Upper/lower explosive limits	N/A
Vapor pressure	Not determined
Vapor density	Not determined
Relative density	1.05
Solubility(ies)	100% in water
Partition coefficient: n-octanol/water	Not determined
Auto-ignition temperature	N/A
Decomposition temperature	N/A
Viscosity	30 cst
Explosive properties	None
Oxidizing properties	None

SECTION 10: Stability and reactivity

10.1 Reactivity

Not reactive under normal storage conditions.

10.2 Chemical stability

Stable under normal storage conditions

10.3 Possibility of hazardous reactions

None

10.4 Conditions to avoid

Excessive heat

10.5 Incompatible materials

Strong oxidizers and reducing agents

10.6 Hazardous decomposition products

Carbon dioxide (CO₂). Carbon monoxide. Oxides of nitrogen. Hydrocarbons.

SECTION 11: Toxicological information

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Information on toxicological effects

Acute toxicity

SODIUM XYLENE SULFONATE

LD50 Oral - Rat - .5000 mg/kg

LC50 Skin - Rabbit - 2000 mg/kg

POTASSIUM HYDROXIDE Solution

LD50 Oral - Rat - 276 mg/kg

Eyes:Result: Major potential hazard

Skin:Result: Major potential hazard

Ethylenediaminetetraacetic acid tetrasodium salt, 40%

LC50 LD50 Oral - Rat - >2000 mg/kg

Inhalation Result: No data available

Skin:Result: No data available

Sodium silicate

LD50 Oral - Rat - 600 mg/kg

Proprietary nonionic surfactant blend

LD50 Oral - Rat - 3980 mg/kg

LD50 Skin - Rabbit - 2000 - 2991 mg/kg

LC50 Inhalation - Rat - 1.15 mg/l - 4 h

SODIUM HYDROXIDE, LIQUID

LD50 Oral - Rabbit - 400 mg/kg

LD50 Skin - Rabbit:Result: Severly irritating, corrosive

Eyes - Rabbit:Result: Severly irritating, corrosive

LC50 Inhalation: Result: Corrosive

Proprietary amphoteric surfactant blend

LD50 Skin - Rat - >2000 mg/kg

Aminophosphonic acid, aqueous solution

LD50 Oral - Rat - >2910 mg/kg

LD50 Skin - Rabbit - >6310 mg/kg

Skin corrosion/irritation

Causes moderate to severe skin irritation.

Serious eye damage/irritation

Causes moderate to severe eye irritation.

Respiratory or skin sensitization

No data available.

Germ cell mutagenicity

No specific data

Carcinogenicity

No known significant effects or critical hazards.

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Reproductive toxicity

No known significant effects or critical hazards.

Summary of evaluation of the CMR properties

No known significant effects or critical hazards.

STOT-single exposure

No known significant effects or critical hazards.

STOT-repeated exposure

No known significant effects or critical hazards.

Aspiration hazard

No known significant effects or critical hazards.

SECTION 12: Ecological information

Toxicity

SODIUM XYLENE SULFONATE

EC50 - Daphnia magna (water flea) - 408 mg/kg - 48 h

EC50 - Algae - Selenastrium sp. - 230 mg/l - 96 h

POTASSIUM HYDROXIDE Solution

LC50 - Misquito fish - 80 mg/l - 24h

Ethylenediaminetetraacetic acid tetrasodium salt, 40%

LC50 - Blugill sunfish - 486 mg/l - 96h Result: Tested in very hard water

EC50 - Daphnia magna (water flea) - 610 mg/l - 24h

Sodium silicate

Result: this material has exhibited moderate toxicity to aquatic organisms.

Proprietary nonionic surfactant blend

LC50 - Pimephales promelas (fathead minnow) - 3.8 - 6.2 mg/l - 96 h

LC50 - Daphnia magna (water flea) - 9.3 - 21.4 mg/l - 48 h

SODIUM HYDROXIDE, LIQUID

LC50 - Bluegill sunfish - 99 mg/l - 48h

Proprietary amphoteric surfactant blend

EC50 - Algae - 1-10 mg/l - 72h

LC50 - Fish - >1 mg/l - 96h

Aminophosphonic acid, aqueous solution

EC50 - Daphnia magna (water flea) - >297 mg/l - 48h

LC50 - Salmo gairdneri - >330 mg/l - 96h

Persistence and degradability

POTASSIUM HYDROXIDE Solution

Result: Not biodegradable

Ethylenediaminetetraacetic acid tetrasodium salt, 40%

Result: Not biodegradable over 28 days in the Sturm CO2 evolution test

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Sodium silicate

Result: this material is inorganic and not subject to biodegradation. It is believed to persist in the environment.

Proprietary nonionic surfactant blend

Partition coefficient, n-octanol/water (log Pow) - 2.1 - 3.4 - Calculated

SODIUM HYDROXIDE, LIQUID

Result: No degradation in water.

Proprietary amphoteric surfactant blend

Readily biodegradable

Aminophosphonic acid, aqueous solution

Result: This product is not readily biodegradable. >23% min 28d

Bioaccumulative potential

No data available.

Mobility in soil

No data available.

Results of PBT and vPvB assessment

No data available.

Other adverse effects

No data available.

SECTION 13: Disposal considerations

Disposal of the product

The generation of waste should be avoided or minimized whenever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional or local requirements.

Disposal of contaminated packaging

Disposal should be in accordance with applicable regional, national and local laws and regulations.

SECTION 14: Transport information

DOT (US)

UN Number: Not regulated

IMDG

Not regulated

IATA

Not regulated

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

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California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

SARA 302 Components

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

SARA 311/312 Hazards

No SARA hazards.

SARA 313 Components

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.

SECTION 16: Other information

Effective 4/10/15

16.1 Further information/disclaimer

The statements on this SDS are believed to be true and accurate, but because conditions are beyond our control, Stone Soap Co., Inc. does not make, nor does it authorize any agent or representative to make any oral or written warranty, guarantee or representation, expressed or implied, concerning this material or the use thereof beyond the statements on the label. Stone Soap Co., Inc. and the seller disclaim liability for, and expect the buyer to assume all risk for any claim or personal injury or property damage or loss resulting from handling, storage or use of this material not in accordance with the written directions. No other warranty exists.

16.2 Preparation information

Generated by
Stone Soap Co., Inc.
2000 Pontiac Dr.
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