



SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: **SC-15** Steam Cleaning/Pressure Washer Compound

Distributed by:

High PSI LTD.
75 N. Brandon Drive
Glendale Heights, IL 60139

For More Information Call:

800.666.3900

24/7 Transportation Emergencies

Call INFOTRAC: 800-535-5053
Account No.: 77840

2. HAZARD IDENTIFICATION

GHS Ratings:

Dermal Toxicity	Acute Tox. 2	Dermal>50+<=200mg/kg
Skin corrosive	1A	Destruction of dermal tissue: Exposure < 3 min. Observation < 1 hour, visible necrosis in at least one animal
Eye corrosive	1	Serious eye damage: Irreversible damage 21 days after exposure, Draize score: Corneal opacity >= 3, Iritis > 1.5
Reproductive toxin	2	Human or animal evidence possibly with other information

GHS Hazards

H310	Significant burns in contact with skin
H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage
H361	Suspected of damaging fertility or the unborn child

GHS Precautions

P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood
P260	Do not breathe dust/fume/gas/mist/vapours/spray
P262	Do not get in eyes, on skin, or on clothing
P264	Wash ... thoroughly after handling
P270	Do not eat, drink or smoke when using this product
P280	Wear protective gloves/protective clothing/eye protection/face protection
P281	Use personal protective equipment as required
P310	Immediately call a POISON CENTER or doctor/physician
P321	Specific treatment (see ... on this label)
P322	Specific measures (see ... on this label)
P361	Remove/Take off immediately all contaminated clothing
P363	Wash contaminated clothing before reuse
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting

P302+P350 IF ON SKIN: Gently wash with soap and water
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P305+P351+P338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
P308+P313 IF exposed or concerned: Get medical advice/attention
P405 Store locked up

Signal Word: Danger



3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS number	Weight Concentration %
Water	7732-18-5	70.00% - 80.00%
Sodium hydroxide	1310-73-2	10.00% - 20.00%
Sodium Xylene Sulfonate	1300-72-7	1.00% - 5.00%
Poly(oxy-1,2-ethanediyl), alpha-(nonylphenyl)-omega-hydroxy	9016-45-9	1.00% - 5.00%
Ethylene Diamine Tetra Acetic Acid	10378-23-1	1.00% - 5.00%
Sodium Tri-poly Phosphate	32612-48-9	1.00% - 5.00%
Sodium metasilicate	6834-92-0	1.00% - 5.00%

4. FIRST-AID MEASURES

INHALATION: Treat symptomatically. Move exposed party to fresh air and keep at rest. If breathing is difficult, provide the individual oxygen. If not breathing, give artificial respiration. Get medical attention immediately.

EYE CONTACT: Any material that contacts the eye should be washed out immediately with generous amounts of water for at least 20 minutes. If easy to do, remove contact lenses if present. Get immediate medical attention.

SKIN CONTACT: Wash with soap and water - flush with water for at least 20 minutes. Get medical attention immediately.

INGESTION: Do Not Induce Vomiting! Never give anything by mouth to an unconscious person. If conscious, wash out mouth with water. Get medical attention immediately.

NOTES TO PHYSICIAN: Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flash Point: None

LEL:

UEL:

FLAMMABLE LIMITS: Product is not flammable. Use appropriate media for adjacent fire and surrounding materials present in a fire situation.

EXTINGUISHING MEDIA: Use an extinguishing agent suitable for the fire and for other materials that may be present in a fire situation.

UNUSUAL/GENERAL/EXPL. FIRE HAZARDS: None known.

HAZARDOUS COMBUSTION PRODUCTS: Under fire conditions toxic fumes should be anticipated.

FIRE FIGHTING: See also Stability and Reactivity section.

FIRE EQUIPMENT: Wear self-contained, approved breathing apparatus and full protective clothing (including eye protection and boots).

6. ACCIDENTAL RELEASE MEASURES

SPILL/LEAK: Follow your companies established procedures for reporting and/or responding to chemical incidents. No action should be taken involving any personal risk without suitable training and issuance of appropriate personal protective equipment.

SMALL SPILL: Stop leak if it can be done without risk. Clean up spilled material with vermiculite or other inert material, then place in a container for chemical waste. Dispose of all waste and cleanup materials in accordance with Federal, state, and local regulations.

LARGE SPILL: No action shall be taken involving any personal risk or without suitable training and issuance of appropriate personal protective equipment. Stop leak if it can be accomplished without risk. Prevent spillage from entering drains and/or waterways. Any release to the environment may be subject to Federal, state, or local reporting requirements.

7. HANDLING AND STORAGE

HANDLING PRECAUTIONS: No special precautions are necessary beyond normal good hygiene practices.

See Section 8 of the MSDS for additional personal protection advice when handling this product.

STORAGE: Keep container closed when not in use. Protect from excessive heat and/or freezing.

REGULATORY: Do not store in unlabeled containers.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Chemical Name / CAS No.</u>	<u>OSHA Exp Limits</u>	<u>ACGIH Exp Limits</u>	<u>Other Exp Limits</u>
Water 7732-18-5	Not Established	Not Established	Not Established
Sodium hydroxide 1310-73-2	2 mg/m ³ TWA	2 mg/m ³ Ceiling	NIOSH: 2 mg/m ³ Ceiling
Sodium Xylene Sulfonate 1300-72-7	Not Established	Not Established	Not Established

Poly(oxy-1,2-ethanediyl), alpha-(nonylphenyl)-omega- hydroxy 9016-45-9	Not Established	Not Established	Not Established
Ethylene Diamine Tetra-Acetic Acid 10378-23-1	Not Established	Not Established	Not Established
Sodium Tri-poly Phosphate 32612-48-9	Not Established	Not Established	Not Established
Sodium metasilicate 6834-92-0	Not Established	Not Established	Not Established

ENGINEERING CONTROLS: Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

VENTILATION: Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

ADMINISTRATIVE CONTROLS: No action shall be taken involving any personal risk or without suitable training and issuance of appropriate personal protective equipment.

PROTECTIVE GEAR:

It is a good industrial hygiene practice to minimize skin and eye contact.

Eye protection: Wear safety goggles if eye contact is possible (face shield recommended if splashing is possible).

Hand protection: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products (if a risk assessment indicates this is necessary).

Body Protection: Personal protective equipment for the body should be selected based on the task being performed and the risks involved.

CONTAMINATED GEAR: Routinely wash work clothing and protective equipment to remove contaminants.

9. PHYSICAL AND CHEMICAL PROPERTIES

NOTE: These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specifications for the product.

Specific Gravity (SG):	1.10 (approximate)
Appearance:	Clear, colorless
Odor:	Mild
pH:	12.0

10. STABILITY AND REACTIVITY

Product is STABLE under normal conditions of storage and handling.

INCOMPATIBLE MATERIALS:

Strong acids. Should not be used on aluminum or other soft metals.

HAZARDOUS DECOMPOSITION:

None Known

HAZARDOUS POLYMERIZATION:

Hazardous polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

Mixture Toxicity

Dermal Toxicity LD50: 85mg/kg

Component Toxicity

1310-73-2	Sodium hydroxide Dermal LD50: 1,350 mg/kg (Rabbit)
1300-72-7	Sodium Xylene Sulfonate Oral LD50: 1,000 mg/kg (Rat)
9016-45-9	Poly(oxy-1,2-ethanediyl), alpha-(nonylphenyl)-omega-hydroxy Oral LD50: 2,590 mg/kg (Rat) Dermal LD50: 1,780 µL/kg (Rabbit)
6834-92-0	Sodium metasilicate Oral LD50: 1,153 mg/kg (Rat)

TARGET ORGANS: Eyes, Skin, and Respiratory System**Effects of Overexposure**

<u>CAS Number</u>	<u>Description</u>	<u>% Weight</u>	<u>Carcinogen Rating</u>
None			None

ACUTE TOXICITY: Eyes – blurred vision, redness, watering, burning. Skin – redness and burning. Inhalation – irritation and coughing. Ingestion – Burning sensation, nausea.**CHRONIC EFFECTS:** None Known**12. ECOLOGICAL INFORMATION**

The information given is based on data available for the material, the components of the material, and similar materials (if known).

Component Ecotoxicity

Sodium hydroxide	96 Hr LC50 Oncorhynchus mykiss: 45.4 mg/L [static]
Sodium metasilicate	96 Hr LC50 Brachydanio rerio: 210 mg/L [semi-static]; 96 Hr LC50 Brachydanio rerio: 210 mg/L

13. DISPOSAL CONSIDERATIONS

Check Federal and state waste regulations to determine if the material may meet the classification of a hazardous or special waste. Waste materials meeting the definition of hazardous, should only be sent to an appropriately permitted RCRA facility.

Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner.

Always dispose of in accordance with Federal, State, and Local regulations.

14. TRANSPORTATION INFORMATION

Important Note: The data provided in this section is for information only. Please apply the appropriate regulations to properly classify your shipment for transportation. As shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin / destination. Consult your company's Hazardous Materials/Dangerous Goods expert for information specific to your situation.

For small quantities packed in combination packaging, exceptions may apply.

For emergency transportation information, in the United States: call INFOTRAC at 800-535-5053

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
PHMSA	Compounds, Cleaning Liquid (Contains Sodium Hydroxide)	NA1760	PG II	8

15. REGULATORY INFORMATION

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

The following chemicals are reportable under Pennsylvania Right to Know:

1310-73-2 Sodium hydroxide

<u>Country</u>	<u>Regulation</u>	<u>All Components Listed</u>
U.S.A.	TSCA	No

United States inventory (TSCA 8b): All components are listed or exempted (unless otherwise noted below).
- None

SARA 313 Components: The following listed components (if any are listed) are subject to the Supplier Notification Requirement found in 40 CFR 372.45 (c 4); a part of Title III of the Superfund Amendments and Reauthorization Act of 1986. SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

16. OTHER INFORMATION

Hazardous Material Information System (HMIS)

HEALTH	2
FLAMMABILITY	0
PHYSICAL HAZARD	1
PERSONAL PROTECTION	C

HMIS & NFPA Hazard Rating

Legend

* = Chronic Health Hazard

0 = INSIGNIFICANT

1 = SLIGHT

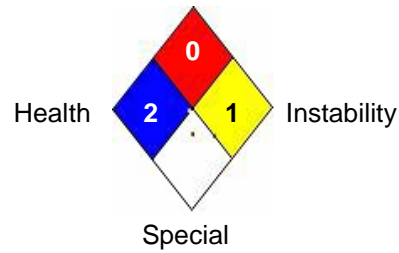
2 = MODERATE

3 = HIGH

4 = SEVERE

National Fire Protection Association (NFPA)

Flammability



Disclaimer: It is believed the information herein provided is factual and accurate, but is not intended to be all inclusive. The information relates only to the specific material denoted and does not relate to its use in combination with other materials, or its use as to any particular process. Because safety standards and regulations are subject to change and because there is no ongoing control over the material when being handled, stored or used, the end user should satisfy themselves that they have current information regarding the particular way the material is handled, stored or used and that use and disposition of the material is done in accordance with Federal, state and local law. NO WARRANTY IS MADE, EXPRESS OR IMPLIED, INCLUDING (WITHOUT LIMITATION) WARRANTIES WITH RESPECT TO THE COMPLETENESS OR CONTINUING ACCURACY OF THE INFORMATION CONTAINED HEREIN, OR WITH RESPECT TO FITNESS FOR ANY PARTICULAR USE.

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