

1. Identification

Name of the product: SWR One SDS Code: SWR One
 Recommended use: Alkaline industrial general purpose cleaner/ degreaser
 Use not recommended: No use that involves skin contact.
 Company: SWR Corporation Telephone: 503-224-9233
 1630 SW Morrison St Suite 220 Cell: 503-348-9262
 Portland, OR 97205 e-mail: exitpoll@aol.com
 Emergency Number: 503-348-9262

2. Hazard(s) identification

GHS Classification in accordance with 29 CFR 1910 :

Skin corrosion (Cat. 1) H313 May be harmful in contact with skin

Serious eye damage (Cat. 1) H318 Causes serious eye damage.

GHS Label elements, including precautionary statements

Pictogram



Signal word: Danger

Hazard statements:

H313 May be harmful in contact with skin

H318 Causes serious eye damage.

H402 Harmful to aquatic life

Precautionary statements:

P234 Keep only in original container.

P262 Do not get in eyes, skin or on clothing.

P264 Wash skin thoroughly after handling.

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

P301 + P330 + P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P310 Immediately call a POISON CENTER or doctor/ physician.

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 cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P363 Wash contaminated clothing before reuse.

P391 Collect spillage.

P501 Dispose of contents/ container to an approved waste disposal plant.

3. Composition / Information on ingredients

Chemical identity: Sodium hydroxide 3%
 Common name: Caustic soda
 Numbers of identity: CAS 1310-73-2 EINECS 212-185-5
 Impurities: None which influence classification
 Chemical identity: Silicic acid, sodium salt 4%
 Common name: Sodium silicate
 Numbers of identity: CAS 1344-09-8 EINECS 215-687-4
 Chemical identity: Alkyl ether phosphate 2.4%
 Common name: Phosphate ester (neutralized in situ)
 Numbers of identity: CAS 68130-47-2
 Impurities: None which influence classification

4. First-aid measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of danger.

P301+330+331 IF SWALLOWED: Rinse mouth with water. Do NOT induce vomiting

Never give anything by mouth to an unconscious person. Consult a physician.

P303+361+353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing.

Rinse skin with water.

P304+341 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing

P305+351+338 IF IN EYES: Rinse continuously with water for several minutes. Consult a physician.

Remove contact lenses if present and easy to do; continue rinsing.

Continue rinsing eyes during transport to hospital.

Most important symptoms and effects, both acute and delayed: Severe eye irritation. Skin irritation.

Indication of any immediate medical attention and special treatment needed when necessary: No data.

5. Firefighting measures

Suitable extinguishing media: Product is not flammable. Use media appropriate to main cause of fire.

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

Special hazards arising from the substance or mixture: Sodium oxides

Advice for firefighters: Wear self contained breathing apparatus for fire fighting if necessary.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Wear respiratory protection. Avoid mist formation. Avoid breathing mist and any dust developed.

Ensure adequate ventilation. Evacuate personnel to safe areas.

For personal protection see section 8.

Environmental precautions:

Prevent more spillage if safe to do. Avoid discharge into the environment.

Arrange pick up and disposal without creating mist. Mop up or vacuum up.

Store in a suitable, closed container for disposal or reclaim.

For disposal see section 13.

7. Handling and storage

Handling:

Avoid formation of mist and aerosols.

Provide appropriate exhaust ventilation at places where mist is formed. For precautions see section 2.

Storage:

Keep container tightly closed in a dry place.

8. Exposure controls / personal protection

Information on the system design:

Product is intended for external use only. Stay up wind, out of any spray developed.

Exposure Limits:

Reference 29CFR 1910.1000 Table Z-1

Component Name, CAS#

ACGIH

OSHA

Sodium hydroxide CAS 1310-73-2

C 2 mg/m³

C 2 mg/m³

Sodium silicate CAS 1344-09-8

NE

NE

NE= Not Established

Personal protective equipment

Respiratory protection: No requirement anticipated.

Hand protection: Rubber gloves.

Eye protection: Safety glasses with side-shields.

Skin and body protection: Chemical resistant apron or protective suit if splashing or repeated contact with solution is likely.

Hygiene measures

Wash hands and face before breaks and immediately after handling the product.

Handle in accordance with good industrial hygiene and safety practice.

9. Physical and chemical properties

Appearance: Red liquid
 Odor: Nil
 Odor threshold: Not available
 pH-value: 12.5 approx.
 Melting/ freezing point: Not available
 Initial boiling point: Not available
 Flash point: Does not flash.
 Evaporation rate: Not applicable
 Flammability (solid, gas): Not applicable
 Explosion limits: Not explosive
 Vapor pressure: (highest partial vapor pressure) at 20°C: Not available
 Vapor density: Not available
 Relative density (water=1.00): 1.1 approx.
 Solubility: Totally soluble in water at 20°C
 Partition coefficient: Log Kow = Not applicable to mixture.
 Auto-ignition temperature: Not available
 Decomposition temperature: Not available
 Viscosity: Like water

10. Stability and reactivity

Chemical stability: No decomposition, if used according to specifications.
 Possibility of hazardous reactions: Hydrogen may be formed by contact with metals listed below.
 Product has typical reactions of a highly alkaline material.
 Conditions to avoid: No dangerous conditions known.
 Materials to avoid: Avoid concentrated contact with aluminum, tin, lead or zinc coated metals.
 Hazardous decomposition products: None are known. Also see Section 5.

11. Toxicological information

Acute Toxicity: No information available for finished product.

Test	Sodium hydroxide CAS 1310-73-2	Sodium silicate CAS 1344-09-8
Oral Toxicity LD 50 (Rats)	No data	1,500-3,200 mg/kg
Dermal Toxicity LD 50 (Rabbit)	No data	No data
Inhalation Toxicity, Vapor, LC50	No data	No data
Eye Irritation (Rabbit)	Corrosive - 24 h	Corrosive
Dermal Irritation (Rabbit)	Causes severe burns. - 24 h	Severe skin irritation - 24 h
Germ cell mutagenicity:	No data	No data

Carcinogenicity:
 No component listed by NTP, IARC, OSHA or ACGIH as a suspect or potential carcinogen.
 Signs and Symptoms of Exposure:
 Symptoms include: burning sensation, pain, skin or eye irritation.

12. Ecological information

There is no ecological information on the product.

Sodium hydroxide CAS 1310-73-2
 Toxicity to fish: LC50 - Gambusia affinis (Mosquito fish) - 125 mg/l - 96 h
 LC50 - Oncorhynchus mykiss (rainbow trout) - 45.4 mg/l - 96 h
 Toxicity to daphnia and Immobilization EC50 - Daphnia - 40.38 mg/l - 48 h
 Other aquatic invertebrates: No data.
 No data available

Both sodium hydroxide and sodium silicate
 Persistence and degradability:
 The methods for determining the biological degradability are not applicable to inorganic substances.
 Bioaccumulative potential: No data available
 Mobility in soil: No data available
 Results of PBT and vPvB assessment:
 PBT/ vPvB assessment not available because chemical safety assessment not required/not conducted.
 Other adverse effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic life.

13. Disposal considerations

Dispose in accordance with local, state and federal regulations.
 Dispose of contaminated packaging as unused product.

14. Transport information

Not regulated

15. Regulatory information

Inventory Status:

All components are on TSCA, EINECS/ELINCS, AICS, and DSL.

U.S. Regulations:

U.S. Superfund Amendments and Reauthorization Act (SARA) Title III:

SARA (311/312) HAZARD CATEGORIES:

None

SARA 313: This product contains the following SARA 313 Toxic Release Chemicals.

Chemical Name	CAS Number	Concentration
None	Not applicable	Not applicable

The following product components are cited on the lists below:

Chemical Name	CAS Number	List Citations
Sodium hydroxide	CAS 1310-73-2	MA, PA, NJ

California Prop. 65 chemicals: 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

SDS Preparation date: June 16, 2015

Replacing SDS dated: June 11, 2015; Making Skin =Cat 1 due to sodium hydroxide level.

Hazard Categories:	Health	Fire	Pressure	Reactivity	Reference 49 CFR 171.8, OSHA 29 CFR 1910.1200 and SARA 302/311/312/313.
Immediate	Yes	No	No	No	
Delayed	No	No	No	No	
HMIS Hazard ratings: Health 2 Fire 0 Instability 0 Other B (Goggles, gloves)					
Hazard Ratings: Least: 0 Slight: 1 Moderate: 2 High: 3 Extreme: 4					

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MSDS's found from ingredient suppliers do not provide sufficient information for complete categorization of the hazards as of the date of preparation of this document. Expert opinion and judgment has been used where deemed necessary and appropriate.

Note: The information in this SDS was obtained from current reputable and competent sources. However, the data is provided without warranty, expressed or implied, regarding its correctness or accuracy. It is the user's responsibility to determine safe conditions for the use of this product and to assume liability for loss, injury, damage or expense resulting from improper use of this product.