

MATERIAL SAFETY DATA SHEET

October 12, 2008

Emergency Contact No: 503-348-9262

Section 1 – Identification

Product Identifier: **SWR One™**

Product Use: Degreaser/de-emulsifier for petroleum separation/recovery, surfactant, hydrocarbon solvent alternative, parts cleaning, marine, aviation, weapons and general cleaning

Manufactured by: **SWR Corporation**
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Detroit, Michigan 48228

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Section 2 – Composition/Information on Ingredients

SARA Title III

<u>Component</u>	<u>%Weight</u>	<u>CAS#</u>	<u>Section 313</u>	<u>RCRA</u>	<u>Carcinogenity</u>
<u>29CFR 1910.1200</u>					
Sodium hydroxide	<9%	1310-73-2	No	No	No
Sodium silicate	<12%	1344-09-8	No	No	No
Diphosphate ester	<5%		No	No	No
Proprietary	<2%		No	No	No
Proprietary	<2%		No	No	No
Alkyl glucoside	<10%	25322-68-3	No	No	No

PEL: Not Established

TLV: Not Established

Section 3 - Hazards Identification

Emergency Overview: This product is not expected to be a hazard under normal conditions of use.

Section 4 - First Aid Measures

Potential Health Effects:

Eyes:	May cause irritation
Skin:	May cause irritation
Ingestion:	May cause gastrointestinal discomfort
Inhalation:	May cause irritation to respiratory tract

FIRST AID

EYES: Immediately flush eyes with a directed stream of water for at least 15 minutes, forcibly holding eyelids apart to ensure complete irrigation of all eye and lid tissue. Washing eyes within several seconds is essential to achieve maximum effectiveness. **GET MEDICAL ATTENTION.**

SKIN: Flush thoroughly with cool water under shower while removing contaminated clothing and shoes. Discard non-rubber shoes. Wash clothing before reuse. **GET MEDICAL ATTENTION.**

INGESTION: Never give anything by mouth to an unconscious person. If swallowed, do NOT induce vomiting. *Give large quantities of water or several glasses of milk, if available.* If vomiting occurs spontaneously, keep airway clear and give more water. **GET MEDICAL ATTENTION.**

INHALATION: Remove to fresh air. If breathing is difficult, have trained person administer artificial respiration. **GET MEDICAL ATTENTION.**

Section 5 – Fire Fighting Measures

Product is not combustible and non-explosive. Use extinguishing media suitable for surrounding media.

Section 6 – Spill or Leak Procedures

Steps to be taken in case material is released or spilled: Dilute with water to satisfactory pH level and flush down drain.

Waste Disposal Method: Product can be recycled or diluted with water and disposed of.

RCRA hazardous waste No. (40CFR 261.33): EPA approved for government SNAP List.

Volatile Organic Components (VOC) minus water: none

Theoretical lbs./gal: 8.35

Section 7 – Handling and Storage

Storage:

- Store product tightly closed and properly labeled in an area suitable for general chemical storage.
- Do not freeze.

Handling:

- Use in well-ventilated area
- Avoid breathing mist
- Avoid contact with eyes, skin and clothing
- Wear personal protective equipment
- Wash thoroughly after handling

Mixing and Handling:

- Wear goggles or face shield and rubber gloves

Section 8 – Exposure Controls/Personal Protection

Ventilation:	Use in well-ventilated area.
Protective Gloves:	Wear Rubber, Neoprene, PVC or equivalent gloves
Eye Protection:	Wear splash-proof chemical safety goggles or face shield at all times. Substance is irritating to eyes, skin and upper respiratory tract. The irritant and caustic action is similar to that of potassium hydroxide but less severe. Oral doses are capable of elevating serum potassium within 15 minutes.
Other protective Clothing or equipment:	Eye wash and safety shower.

Section 9 - Physical and Chemical Properties

Melting Point:	N/A
Boiling Point:	100°C (212° F)
Freezing Point:	0°C (32° F)
Vapor Pressure:	N/A
Specific Gravity:	1.0 – 1.03
Percent Volatile by Volume:	0
Evaporation Rate: (H ₂ O=1)	N/A
pH:	12 (concentrate)
Solubility in Water:	Easily soluble
Appearance and odor:	Clear to slightly hazy solution with slight soapy odor; may contain dyestuff

Section 10 – Stability and Reactivity

Stability:	Stable
Hazardous Decomposition Products:	None
Hazardous Polymerization:	Will not occur
Incompatibilities:	None
Conditions to avoid:	Reacts with acids

Section 11 – Toxicological Information

CAS#1310-73-2 **Irritation data:** skin, rabbit: 500 mg/24H severe;
eye, rabbit: 50 ug/24H severe; investigated as a mutagen.

CAS#1344-09-8 No LD50/LC50 information found relating to normal routes of occupational exposure.

Section 12 – Ecological Information

Product is biodegradable and is LC-50 compliant.

Section 13 – Disposal Considerations

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

Section 14 – Transport Information

Not regulated; may be shipped normally as a non-hazardous product.

Section 15 – Regulatory Information

OSHA Standard 29CFR 1910.1200 requires that information be provided to employees regarding the hazards of chemicals by means of a hazard communication program including labeling, material safety data sheets, training and access to written records. We request that you, *the employer*, as is your legal duty, make all information in this Material Safety Data Sheet available to your employees.

TSCA: All components of this product that are required to be on the TSCA inventory are listed on the inventory.

Section – 16 – Other Information

EMERGENCY INFORMATION

Emergency Contact Number: **503-348-9262**

Emergency Overview: This product is not expected to be a hazard under normal conditions of use.

Signal Word: Warning

Hazard Warnings: May cause eye damage
Irritating to eyes, skin, respiratory tract and gastrointestinal tract

Precautions: Do not get in eyes, on skin or clothing
Use with adequate ventilation
Wash thoroughly after handling
Avoid breathing mist
Keep container tightly closed and properly labeled
Prior to use, read material safety data sheet (MSDS) for this product

Spills or leaks: Small Spill: Absorb with an inert material and place in appropriate waste disposal container. Ensure disposal complies with local regulations. Large Spill: Stop leak if possible; dike and contain spilled material. Pump up spilled material and place in suitable containers for reuse or disposal.

Fire: Non-flammable/non-combustible/non-explosive
Wear NIOSH/MSHA approved positive pressure, self-contained breathing apparatus and full protective clothing.

Handling/Storage: Avoid breathing mist
Use in well-ventilated areas

Disposal: Dispose of container and unused contents in accordance with federal, state and local requirements.

HMIS Rating: Health 1 Flammability 0 Reactivity 0

All information, recommendations and suggestions appearing in this material safety data sheet are based upon tests and data believed to be reliable; however, it is the user's responsibility to determine the suitability for their own use of the products described herein. Since the actual use by others is beyond our control, no guarantee, expressed or implied, is made by SWR Corporation as to the effects of such use or results to be obtained, nor does SWR Corporation assume any liability arising out of use by others of the products referred to herein. Nor is the information herein to be construed as absolutely complete since additional information may be necessary or desirable when particular or exceptional conditions or circumstances exist or because of applicable laws of government regulations. Nothing herein contained is to be construed as permission or as recommendation to infringe any patent.