

## 1. PRODUCT AND COMPANY IDENTIFICATION

<b>Product Code:</b>	SFSONI-004-BULK	
<b>Product Name:</b>	Omega Wash II	
<b>Company Name:</b>	S&F Sonics, Inc./Omegasonics	<b>Phone Number:</b>
	330 E. Easy St., Suite A	+1 (805)583-0875
	Simi Valley, CA 93065	
<b>Emergency Contact:</b>	CHEMTREC	+1 (800)424-9300

## 2. HAZARDS IDENTIFICATION

**Serious Eye Damage/Eye Irritation, Category 2**

**Acute Toxicity: Oral, Category 4**

**Skin Corrosion/Irritation, Category 1C**



**GHS Signal Word:** **Danger**

**GHS Hazard Phrases:** H302 - Harmful if swallowed.  
H314 - Causes severe skin burns and eye damage.

**GHS Precaution Phrases:** P102 - Keep out of reach of children.  
P103 - Read label before use.  
P260 - Do not breathe dust/fume/gas/mist/vapors/spray.  
P264 - Wash hands thoroughly after handling.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
P262 - Do not get in eyes, on skin, or on clothing.

**GHS Response Phrases:** P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P315 - Get immediate medical advice/attention.  
P303+361+353 - IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with plenty of water for 15 minutes.  
P332+313 - If skin irritation occurs, get medical advice/attention. P363 - Wash contaminated clothing before reuse.  
P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P342 - If experiencing respiratory symptoms:  
P315 - Get immediate medical advice/attention.  
P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P315 - Get immediate medical advice/attention.

**GHS Storage and Disposal Phrases:** P405 - Store locked up.  
P501 - Dispose of contents/container in accordance to local, state and federal regulations.

**Potential Health Effects (Acute and Chronic):**

**Inhalation:** May be harmful if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract.

**Skin Contact:** Causes skin irritation. May be harmful if absorbed through the skin.

**Eye Contact:** Causes eye irritation. Causes eye burns.

**Ingestion:** May cause irritation of the digestive tract. May be harmful if swallowed. Causes burns.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)	Concentration
497-19-8	Sodium carbonate	<30.0 %
6834-92-0	Sodium metasilicate	<15.0 %
NA	Phosphate	<40.0 %
NA	Surfactant	< 5.0 %

### 4. FIRST AID MEASURES

**Emergency and First Aid**

**Procedures:**

- In Case of Inhalation:** Remove from exposure and move to fresh air immediately. Get medical aid.
- In Case of Skin Contact:** Wash off with soap and plenty of water. Consult a physician.
- In Case of Eye Contact:** Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.
- In Case of Ingestion:** Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. If victim is conscious and alert, give 2-4 cupfuls of water. Get medical attention immediately.
- Signs and Symptoms Of Exposure:** Burning sensation, Cough, Wheezing, Shortness of breath.
- Note to Physician:** Treat symptomatically and supportively. Show this safety data sheet to the doctor in attendance.

### 5. FIRE FIGHTING MEASURES

- Flash Pt:** No data.
- Explosive Limits:** LEL: No data. UEL: No data.
- Autoignition Pt:** No data.
- Suitable Extinguishing Media:** Use very large quantities (flooding) of water applied as a mist or spray; solid streams of water may be ineffective.
- Fire Fighting Instructions:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.
- Flammable Properties and Hazards:** No data available.

### 6. ACCIDENTAL RELEASE MEASURES

- Protective Precautions, Protective Equipment and Emergency Procedures:** Use proper personal protective equipment as indicated in Section 8.
- Environmental Precautions:** Do not let product enter drains. Do not let this chemical enter the environment.
- Steps To Be Taken In Case Material Is Released Or Spilled:** Vacuum or sweep up material and place into a suitable disposal container. Avoid generating dusty conditions. Use personal protective equipment. Avoid breathing dust. Ensure adequate ventilation.

## 7. HANDLING AND STORAGE

**Precautions To Be Taken in Handling:** Minimize dust generation and accumulation. Do not get in eyes, on skin, or on clothing. Do not ingest or inhale. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.

**Precautions To Be Taken in Storing:** Store in a cool, dry place. Keep container tightly closed in a dry and well-ventilated place. Keep away from acids.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
497-19-8	Sodium carbonate	No data.	No data.	No data.
6834-92-0	Sodium metasilicate	No data.	No data.	No data.
NA	Phosphate	No data.	No data.	No data.
NA	Surfactant	No data.	No data.	No data.

**Respiratory Equipment (Specify Type):** A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.

**Eye Protection:** Safety glasses.

**Protective Gloves:** Wear appropriate protective gloves to prevent skin exposure. Rubber or neoprene gloves.

**Other Protective Clothing:** Wear appropriate protective clothing to prevent skin exposure.

**Engineering Controls (Ventilation etc.):** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

**Work/Hygienic/Maintenance Practices:** Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical States:** [ ] Gas [ ] Liquid [ X ] Solid

**Appearance and Odor:** White.  
Free flowing granules.

**Melting Point:** No data.

**Boiling Point:** No data.

**Autoignition Pt:** No data.

**Flash Pt:** No data.

**Explosive Limits:** LEL: No data. UEL: No data.

**Specific Gravity (Water = 1):** No data.

**Vapor Pressure (vs. Air or mm Hg):** No data.

**Vapor Density (vs. Air = 1):** No data.

**Evaporation Rate:** No data.

**Solubility in Water:** No data.

**pH:** 11.0 - 12.0

**Percent Volatile:** No data.

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Unstable [ ]    Stable [ X ]
<b>Conditions To Avoid - Instability:</b>	Incompatible materials, dust generation, Excess heat.
<b>Incompatibility - Materials To Avoid:</b>	Strong acids, Strong oxidizing agents, metals, fluorine, This product can react with chemically reactive metals, such as, aluminum, zinc, magnesium, copper, etc. Releases hydrogen gas which forms explosive mixture with air.
<b>Hazardous Decomposition or Byproducts:</b>	Carbon monoxide, Carbon dioxide, Sodium oxides, silicon oxides. formed under fire conditions.
<b>Possibility of Hazardous Reactions:</b>	Will occur [ ]    Will not occur [ X ]
<b>Conditions To Avoid - Hazardous Reactions:</b>	No data available.

## 11. TOXICOLOGICAL INFORMATION

<b>Toxicological Information:</b>	Epidemiology: No information found. Teratogenicity: Teratogenic effects have occurred in experimental animals. Reproductive Effects: No information found. Mutagenicity: No information found. Neurotoxicity: No information found.  CAS# NA: Surfactant: Acute toxicity, LD50, Oral, Rat, 960.0 - 3980. MG/KG. Result: Blood:Tumors. Immunological Including Allergic: Autoimmune (multiple organ involvement). Acute toxicity, LD50, Dermal, Rabbit, 2000. - 2991. MG/KG. Result: Behavioral: Somnolence (general depressed activity). Vascular: BP lowering not characterized in autonomic section. Skin and Appendages: Skin: After topical exposure: Corrosive. Acute toxicity, LD50, Inhalation, Rat, 1.150 MG/L, 4 H. Result: Lungs, Thorax, or Respiration:Other changes. Gastrointestinal:Nausea or vomiting.
<b>Irritation or Corrosion:</b>	Other Studies: CAS# 6834-92-0: Acute toxicity, LD50, Oral, Rat, 1000 mg/kg  Other Studies: CAS# 6834-92-0: Standard Draize Test, Skin, Species: Rabbit, 250.0 mg, 24H  Other Studies: CAS# 497-19-8: Acute toxicity, LD50, Oral, Rat, 4090 mg/kg  Other Studies: CAS# 497-19-8: Standard Draize Test, Skin, Species: Rabbit, 500.0 mg, 24H Standard Draize Test, Eyes, Species: Rabbit, 100.0 mg, 24H
<b>Carcinogenicity/Other Information:</b>	CAS# 497-19-8: Not listed by ACGIH, IARC, NTP, or CA Prop 65. Carcinogenicity.  IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.  ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.  NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

# SAFETY DATA SHEET

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OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**Carcinogenicity:** NTP? No IARC Monographs? No OSHA Regulated? No

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
497-19-8	Sodium carbonate	n.a.	n.a.	n.a.	n.a.
6834-92-0	Sodium metasilicate	n.a.	n.a.	n.a.	n.a.
NA	Phosphate	n.a.	n.a.	n.a.	n.a.
NA	Surfactant	n.a.	n.a.	n.a.	n.a.

## 12. ECOLOGICAL INFORMATION

**General Ecological Information:** Environmental: No information available.  
Physical: No information available.

CAS# NA: Surfactant: LC50, Fathead Minnow (*Pimephales promelas*), 3.800 - 6.200 MG/L, 96 H. Result: Affected fish stopped schooling behavior. Affected fish became hyperactive. Fish were overreactive to external stimuli. Affected fish swam at or near surface. No loss of equilibrium observed.  
LC50, Water Flea (*Daphnia magna*), 9.300 - 21.40 MG/L, 48 H. Result: Affected fish stopped schooling behavior. Affected fish became hyperactive. Fish were overreactive to external stimuli. Affected fish swam at or near surface. No loss of equilibrium observed.

**Results of PBT and vPvB assessment:** Other Studies: CAS# 497-19-8:  
LC50, Water Flea (*Daphnia magna*), 265,000 ug/L, 48H  
LC50, Fathead Minnow (*Pimephales promelas*), 850,000 ug/L, 96H  
LC50, Western Mosquitofish (*Gambusia affinis*), adult(s), 740000 ug/L, 96H

**Persistence and Degradability:** No data available.

**Bioaccumulative Potential:** No data available.

**Mobility in Soil:** No data available.

## 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Method:** Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste.  
US EPA guidelines for the classification determination are listed in 40 CFR Parts 261. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.  
Observe all federal, state, and local environmental regulations.  
Contact a licensed professional waste disposal service to dispose of this material.

**14. TRANSPORT INFORMATION**

**LAND TRANSPORT (US DOT):**

**DOT Proper Shipping Name:** Not Regulated.  
**DOT Hazard Class:**  
**UN/NA Number:**

**15. REGULATORY INFORMATION**

**EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists**

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
497-19-8	Sodium carbonate	No	No	No
6834-92-0	Sodium metasilicate	No	No	No
NA	Phosphate	No	No	No
NA	Surfactant	No	No	No

**CAS # Hazardous Components (Chemical Name)**

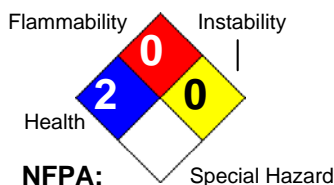
**Other US EPA or State Lists**

497-19-8	Sodium carbonate	TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NJ EHS: No; NY Part 597: No; PA HSL: No
6834-92-0	Sodium metasilicate	TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NJ EHS: No; NY Part 597: No; PA HSL: No
NA	Phosphate	TSCA: No; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NJ EHS: No; NY Part 597: No; PA HSL: No
NA	Surfactant	TSCA: No; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NJ EHS: No; NY Part 597: No; PA HSL: No

**16. OTHER INFORMATION**

**Revision Date:** 01/13/2015

**Hazard Rating System:**



**Additional Information About This Product:** No data available.

**This Product:**

**Company Policy or Disclaimer:**

While S&F Sonics, Inc./Omegasonics believes the statements set forth herein are accurate as of the date hereof, S&F Sonics, Inc./Omegasonics makes no warranty with respect thereto and expressly disclaims all liability for reliance thereon. Such data is offered solely for your consideration, investigation, and verification.