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**Section 1. Product and Company Identification****1.1 Product Identifiers:**

Product Name: OttoSonic Ultrasonic Cleaning Solution

Product Code: 123.613, 123.614, 123.615, 123.616, 123.617

**1.2 Relevant identified uses of the substance or mixture and uses advised against**

Identified Uses: Ultrasonic Cleaning Solution

Synonym: None

Chemical Family: Mixture.

**1.3 Details of Manufacturer:**Manufactured for: Otto Frei  
119 3rd St Oakland, CA 94607

Telephone: +1 510-832-0355

Manufactured By: Libby Laboratories, Inc.  
Berkeley, CA 94710 USA**1.4 For Emergency Response Call:**

911

**For Immediate Medical Emergency Information, Call the National Poison Hotline:**

+1 800-222-1222

**For Technical Information In Case of Emergency Call:**

+1 510-832-0355

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**Section 2. Hazards Identification****2.1 Classification of the substance or mixture****GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)**

H302 Acute toxicity, Oral (Category 4)

H315 Skin irritation (Category 2)

H319 Serious eye damage (Category 2A)

H351 Carcinogenicity (Category 2)

H401 Toxic to Aquatic Life (Category 2)

## 2.2 GHS Label elements, including precautionary statements

### Pictograms:



**Signal Word: WARNING**

### Hazard Statements:

H302 Harmful if swallowed  
H312 Harmful in contact with skin  
H315 Causes skin irritation  
H319 Causes serious eye irritation  
H332 Harmful if inhaled  
H351 Suspected of causing cancer

### Precautionary Statements:

P262 Do not get in eyes, on skin, or on clothing  
P264 Wash skin thoroughly after handling  
P270 Do not eat, drink, or smoke when using this product  
P273 Avoid release to the environment  
P280 Wear protective gloves/protective clothing/eye protection/face protection

P302 + P352 **IF ON SKIN:** Wash with plenty of soap and water

P305 + P351  
+P338 **IF IN EYES:** Rinse cautiously with water for several minutes.  
Remove contact lenses, if present and easy to do. Continue  
rinsing.

P332 + P313 If skin irritation occurs: Get medical advice/attention.

P337 + P313 If eye irritation persists: Get medical advice/attention.

P362 Take off contaminated clothing and wash before reuse.

P404 Store in a closed container

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

## 2.3 Hazards not otherwise classified (HNOC) or not covered by GHS – None.

### **Section 3. Composition/Information on Ingredients**

#### **3.2 Mixtures**

**WARNING:** This product contains Cocamide DEA at a concentration of less than 10% and is suspected of causing cancer by the State of California

The identities of the ingredients in this product are proprietary and regarded as a TRADE SECRET as defined in 29 CFR 1910.1200. In the case of a medical emergency, the identities will be divulged to qualified health professionals according to the provisions of 29 CFR 1910.1200 regarding a TRADE SECRET.

This product is a weak organic base in a water system. It contains ionic and nonionic surfactants with anti-microbial properties.

This product is classified as hazardous for the purposes of the OSHA Hazardous Communication standard.

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### **Section 4. First Aid Measures**

#### **If inhaled:**

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

#### **If swallowed:**

DO NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Take victim immediately to hospital. If vomiting occurs, keep head lower than hips.

#### **In case of skin contact:**

In case of contact, immediately wash off with soap and plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention if condition persists.

#### **In case of eye contact:**

Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. . Get medical attention if condition persists.

#### **General:**

May cause tissue destruction leading to stricture. If lavage is performed, suggest use of an endotracheal and/or esophageal control. There is no specific antidote. Supportive care and treatment must be based on the judgement of the physician in response to the symptoms and reactions of the patient.

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## **Section 5. Fire Fighting Measures**

### **5.1 Extinguishing media**

#### **Suitable extinguishing media:**

Water spray, dry chemical, alcohol foam, or carbon dioxide.

### **5.2 Special hazards arising from the substance or mixture**

Nitrogen oxides and Carbon oxides

### **5.3 Advice for firefighters**

Flash point: > 101°C (>215°F)

### **5.4 Further information**

During a fire, smoke may contain the original materials in addition to unidentified toxic and/or irritating compounds. These may include but are not limited to, nitrogen oxides, carbon monoxide, and carbon dioxide.

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## **Section 6. Accidental Release Measures**

### **6.1 Personal precautions, protective equipment and emergency procedures**

Wear an approved respirator with ammonia/methylamine/P100 or combination cartridges for large area spills. Use a supplied air respirator for more extreme circumstances. Contaminated surfaces may be slippery.

### **6.2 Environmental precautions**

This product is toxic to fish. Take measures to keep the undiluted product from entering sewer systems or bodies of water.

### **6.3 Methods and materials for containment and cleaning up**

#### **Spills and Leaks**

Dilute with water and mop up, or absorb with an inert dry material (e. g., vermiculite, dry sand, earth) and place in an appropriate waste disposal container. See Section 13 for disposal considerations.

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## **Section 7. Handling and Storage**

### **7.1 Precautions for safe handling**

Avoid contact with skin and eyes.

**7.2 Conditions for safe storage, including any incompatibilities**

Store at room temperature. Keep away from strong acids, strong bases, oxidizers and reducing agents.

**Section 8. Exposure Controls/Personal Protection**
**8.1 Component with most restrictive control parameters**

Proprietary Ingredient #1 OSHA Exposure Limits			
Value		Control Parameters	Remarks
	TWA	1 ppm	Can be absorbed through the skin.
	STEL	3 ppm	

**8.2 Exposure Controls**
**Appropriate Engineering & Environmental Controls**

No special requirements. Wash hands before breaks and at the end of workday.

**Personal Protective Equipment**
**Eye Protection:**

Use chemical safety goggles where splashing is possible. Maintain eye wash fountain and quick-drench facilities in work area.

**Skin Protection:**

Wear chemical impervious protective gloves. Materials resistant to weak organic bases should be chosen such as butyl, neoprene, nitrile or equivalent. .

**Respiratory Protection:**

None needed when product is used as intended. Wear an approved respirator with ammonia/methylamine/P100 or combination cartridges if additional protection is desired.

## Section 9. Physical and Chemical Properties

<b>Color:</b>	Colorless
<b>Appearance:</b>	Clear liquid
<b>Odor:</b>	Pungent
<b>pH:</b>	9.6 – 10.6
<b>Boiling/Condensation Point:</b>	100°C (212°F)
<b>Melting/Freezing Point:</b>	Not established
<b>Flash Point:</b>	Not applicable
<b>Specific Gravity:</b>	Weighted average: 1.02 (Water = 1)
<b>Vapor Pressure:</b>	Not established
<b>Vapor Density:</b>	Not established
<b>Evaporation Rate:</b>	Not established
<b>VOC:</b>	Not established
<b>LogKow:</b>	Not Available
<b>Solubility:</b>	100% Soluble in water

## Section 10. Stability and Reactivity

### Section 10.1 Reactivity

No data available.

### Section 10.2 Chemical Stability

The product is stable under recommended storage conditions.

### Section 10.3 Possibility of hazardous reactions

No data available

### Section 10.4 Conditions to avoid

Do not heat or freeze.

### Section 10.5 Incompatible materials

Avoid strong bases, acids, oxidizing agents, and reducing agents.

### Section 10.6 Hazardous Decomposition Products

May form carbon dioxide, carbon monoxide, and nitrogen oxides if in fire.

Hazardous polymerization does not occur.

## **Section 11. Toxicological Information**

### **11.1 Information on toxicological effects**

#### **LD50:**

Based on a review of the data of the components, the LD50 is calculated to be approximately 2500 mg/kg.

#### **SECTION 11 NOTES:**

**WARNING:** This product contains a chemical known to the State of California to cause cancer.

Cocamide DEA is classified by the Office of Environmental Health Hazard Assessment agency as a carcinogen via the dermal absorption route of exposure.

This product is a TRADE SECRET as defined in 29 CFR 1910.1200. Because this mixture has not been tested for toxicological properties, 29CFR1910.1200 requires the assumption that the mixture presents the same health hazards as each of the components, if they are present in concentrations greater than 1%. Note that for this mixture; more than 50% of the ingredients by weight are not hazardous. No single hazardous ingredient is present in concentrations exceeding 10% by weight.

Listed below are the chronic health hazards for all materials present in concentrations greater than 1% and that undiluted have health hazards associated with them. The relevancy to the mixture as a whole or to humans is unknown. Excessive exposure may cause similar effects. In the event of a medical emergency the identity of all the components will be divulged to a qualified medical professional.

The following effects were concluded as a result of laboratory testing of one more of the individual undiluted components:

May cause severe irritation with corneal injury, which may result in permanent impairment of vision, even blindness.

Ingestion may cause irritation or burns of the mouth and throat.

In animals, effects have been reported in kidneys and liver.

In animals, birth defects have been observed only in exaggerated doses that were toxic to the mother.

Prolonged inhalation may cause drowsiness, lassitude, and inability to concentrate.

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**Section 12. Ecological Information****Ecotoxicity**

Based on a review of the components, the LC50 (fish, 96 hrs.) is calculated to be approximately <1 but less than 10 mg/l..

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**Section 13. Disposal Considerations****Waste Disposal**

This product is toxic to fish. Do not put the undiluted product into bodies of water.

It is the responsibility of the user to dispose of this material according to local, state, and national regulations.

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**Section 14. Transport Information**

This material is not classified as hazardous according to DOT regulations.

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**Section 15. Regulatory Information****United States Federal Regulations**

**SARA Title III:** None

**TSCA:** All ingredients are on the TSCA inventory or are not required to be listed.

**CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):** None

**OSHA:**

This material is classified as hazardous according to OSHA Hazard Communication regulations.

**State Regulations**

**California Proposition 65:** The following statement(s) is (are) made in order to comply with the California Safe Drinking Water Act: **WARNING:** This product contains Cocamide DEA, a chemical known to the state of California to cause cancer.

**Proprietary Ingredient #1** can be found on the following state right to know lists: California, New Jersey, Florida, Pennsylvania, Minnesota, Massachusetts.



**Section 16. Other Information****HMIS Rating (Estimated)**

Health hazard: 2

Flammability: 1

Physical hazard: 0

**NFPA Rating**

Health hazard: 2

Fire hazard: 1

Reactivity 0

**Disclaimer:** *The information contained herein is provided in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose. The manufacturer makes no representations or warranties, either express or implied, including without limitation any warranties of merchantability, fitness for a particular purpose with respect to the information set forth herein or the product to which the information refers. Accordingly, the manufacturer will not be responsible for damages resulting from use of or reliance upon this information.*