

# SAFETY DATA SHEET

## Bio Ouster Washing Machine Restoration Plumbing Cleanse

*Prepared to U.S. OSHA, CMA, ANSI, Canadian WHMIS, Australian WorkSafe, Japanese Industrial Standard JIS Z 7250:2000, and European Union REACH Regulations*

### SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME:	<b>Bio Ouster Washing Machine Restoration Plumbing Cleanse</b>
SYNONYMS:	None Known
CAS NUMBER:	Mixture
PRODUCT DESCRIPTION:	Bio Ouster Washing Machine Restoration is a unique non-acidic, blend of "new generation" cleaners, scrubbers and deodorizers that clean the surface and pipes of dishwashers, sinks, disposals, water filtration systems, and other circulating closed-loop aqueous systems.
U.N. NUMBER:	NA
U.N. DANGEROUS GOODS CLASS:	Non-Regulated Material
SUPPLIER/MANUFACTURER'S NAME:	OUSTER WATER SOLUTIONS
ADDRESS:	20701 N Scottsdale Rd., Ste 107-290, Scottsdale, Arizona 85255
EMERGENCY PHONE:	(877) 857-4422
BUSINESS PHONE:	866-8-OUSTER
EMAIL ADDRESS:	<a href="mailto:Support@Ousterwater.com">Support@Ousterwater.com</a>
WEB SITE:	<a href="http://ousterwater.com/pages/msds">ousterwater.com/pages/msds</a>
DATE OF PREPARATION:	November 7, 2017
DATE OF LAST REVISION:	October 2, 2018

### SECTION 2 - HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW:**

**Product Description:** This product is a liquid with a slight organic odor.

**Health Hazards:** This product contains ingredients that may cause skin, eye and/or respiratory irritation. Direct eye contact may cause burning and irritation. Ingestion may cause gastrointestinal irritation. Exposure to mist/vapor may cause respiratory irritation.

**Flammability Hazards:** This product is a non-flammable liquid.

**Environmental Hazards:** The Environmental effects of this product have not been investigated.

**Emergency Recommendations:** Emergency responders must have personal protective equipment and fire protection appropriate for the situation to which they are responding.

US DOT SYMBOLS

CANADA (WHMIS) SYMBOLS

GHS Hazard Symbols

Non-Regulated Material

Complies with WHMIS 2015



Signal Word: **Warning!**

**GHS CLASSIFICATION OF SUBSTANCE OR MIXTURE IN ACCORDANCE WITH 29 CFR 1910.1200 (OSHA HCS) AND THE EUROPEAN UNION DIRECTIVES:**

This product does meet the definition of a hazardous substance or preparation as defined by 29 CFR 1910.1200 (USA) and the European Union Council Directives 67/548/EEC, 1999/45/EC, 1272/2008/EC and subsequent Directives.

**EU HAZARD CLASSIFICATION OF INGREDIENTS PER DIRECTIVE 1272/2008/EC:**

**EC# 231-791-2** This substance is not classified in the Annex VI of Directive 67/548/EEC

**Trade Secret Ingredient** - This substance is not classified in the Annex VI of Directive 67/548/EEC

**EC# 208-580-9** This substance is not classified in the Annex VI of Directive 67/548/EEC

**COMPONENT(S) CONTRIBUTING TO CLASSIFICATION(S)**

All Ingredients

**LABEL ELEMENTS:**

**GHS HAZARD CLASSIFICATION(S):**

- Skin Corrosive/Irritant Cat 2
- Acute Oral Toxicity Category 4
- Acute Dermal Toxicity Category 4
- Aquatic Toxicity Category 1
- Eye Irritant Category 2

# SAFETY DATA SHEET

## Bio Ouster Washing Machine Restoration Plumbing Cleanse

Skin Irritant Category 2  
STOT SE Category 3

**HAZARD STATEMENT(S):**

H315: Causes skin irritation  
H302: Harmful if swallowed  
H312: Harmful in contact with skin  
H410: Very toxic to aquatic life with long lasting effects  
H319: Causes severe eye irritation  
H335: May cause respiratory irritation

**PRECAUTIONARY STATEMENT(S):**

P261: Avoid breathing mist/vapors/spray  
P264: Wash hands thoroughly after handling  
P273: Avoid release to the environment  
P280: Wear protective gloves/protective clothing/eye protection/face protection

**HEALTH HAZARDS OR RISKS FROM EXPOSURE:**

**ACUTE:** Exposure to this product may cause irritation of the eyes with redness and tearing. Prolonged or repeated exposure or contact with skin may cause irritation with redness. Inhalation of this products mist/vapors may cause irritation to the respiratory tract. Ingestion may cause gastrointestinal irritation including pain, vomiting or diarrhea.

**CHRONIC:** None Known

**TARGET ORGANS:** ACUTE: Eye, Respiratory System, Skin CHRONIC: None Known

### SECTION 3 - COMPOSITION and INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS:	CAS #	EINECS #	ICSC #	WT %	GHS HAZARD CLASSIFICATION(S);
Water	7732-18-5	231-791-2	Not Listed	75 – 85%	Not Classified
Trade Secret	Proprietary	Proprietary	Not Listed	10 – 15%	H315: Skin Irritation Cat 2, H319: Eye Irritation Cat 2, H335: STOT SE Cat 3
Alkyl Dimethyl Benzyl Ammonium Chloride (C12-18)	68391-01-5	269-919-4	Not Listed	<1%	H315: Skin Corrosion/Irritation Cat 2, H302: Acute Oral Toxicity Cat 4, H312: Acute Dermal Toxicity Cat 4, H410: Hazardous to aquatic environment, long term hazard
Balance of other ingredients are non-hazardous or less than 1% in concentration (or 0.1% for carcinogens, reproductive toxins, or respiratory sensitizers).					

**NOTE:** This product has been classified in accordance with the hazard criteria of OSHA 29CFR1910.1200 and the SDS contains all the information required by the CPR, EU Directives and the Japanese Industrial Standard *JIS Z 7250: 2000*.

### SECTION 4 - FIRST-AID MEASURES

Contaminated individuals of chemical exposure must be taken for medical attention if any adverse effect occurs. Rescuers should be taken for medical attention, if necessary. Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact the National Pesticide Information Center at 800-858-7378 for general or medical information.

**EYE CONTACT:** If product enters the eyes, hold eye open and rinse slowly and gently with water for 15 – 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

**SKIN CONTACT:** Remove contaminated clothing. Rinse skin immediately with plenty of water for 15 – 20 minutes. Call a poison control center or doctor for treatment advice. Launder clothing before re-use.

**INHALATION:** If breathing becomes difficult, remove person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth to mouth, if possible. Call a poison control center or doctor for further treatment advice.

**INGESTION:** If product is swallowed, call physician or poison control center immediately for the most current treatment information. If professional advice is not available, do not induce vomiting. Never induce vomiting or give diluents (milk or water) to someone who is unconscious, having convulsions, or who cannot swallow. Seek medical advice. Take a copy of the label and/or SDS with the victim to the health professional.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** Pre-existing skin, or respiratory problems may be aggravated by prolonged exposure to this product.

**RECOMMENDATIONS TO PHYSICIANS:** Treat symptoms and reduce over-exposure.

### SECTION 5 - FIRE-FIGHTING MEASURES

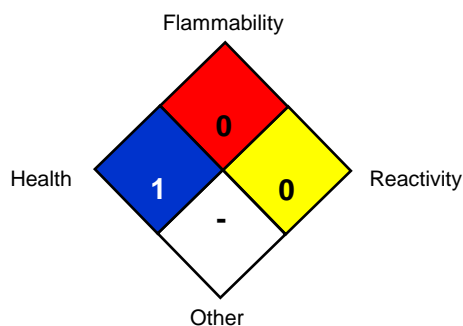
**FLASH POINT:** Non-Flammable  
**AUTOIGNITION TEMPERATURE:** Not Applicable

# SAFETY DATA SHEET



## Bio Ouster Washing Machine Restoration Plumbing Cleanse

**FLAMMABLE LIMITS** (in air by volume, %): Lower (LEL): NA Upper (UEL): NA  
**FIRE EXTINGUISHING MATERIALS:** Dry chemical, foam, carbon dioxide or water fog.  
**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Water based solution that is not expected to be a fire or explosion hazard.  
Explosion Sensitivity to Mechanical Impact: No  
Explosion Sensitivity to Static Discharge: No  
**SPECIAL FIRE-FIGHTING PROCEDURES:** Incipient fire responders should wear eye protection. Structural firefighters must wear Self-Contained Breathing Apparatus and full protective equipment. Isolate materials not yet involved in the fire and protect personnel. Move containers from fire area if this can be done without risk; otherwise, cool with carefully applied water spray. If possible, prevent runoff water from entering storm drains, bodies of water, or other environmentally sensitive areas.

### NFPA RATING SYSTEM



### HMIS RATING SYSTEM

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM			
HEALTH HAZARD (BLUE)			1
FLAMMABILITY HAZARD (RED)			0
PHYSICAL HAZARD (YELLOW)			0
PROTECTIVE EQUIPMENT			
EYES	RESPIRATORY	HANDS	BODY
	See Sect 8		See Sect 8
For Routine Industrial Use and Handling Applications			

**Hazard Scale:** 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe \* = Chronic hazard

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

**SPILL AND LEAK RESPONSE:** Personnel should be trained for spill response operations.  
**SPILLS:** Contain spill if safe to do so. Eliminate all sources of ignition. Prevent entry into drains, sewers, and other waterways. Soak up with an absorbent material and place in an appropriate container for disposal. Dispose of in accordance with applicable Federal, State, and local procedures (see Section 13, Disposal Considerations).

## SECTION 7 - HANDLING and STORAGE

**WORK PRACTICES AND HYGIENE PRACTICES:** As with all chemicals, avoid getting this product ON YOU or IN YOU. Wash thoroughly after handling this product. Do not eat, drink, smoke, or apply cosmetics while handling this product. Avoid breathing vapors/mists/sprays generated by this product. Use in a well-ventilated location. Remove contaminated clothing immediately.  
**STORAGE AND HANDLING PRACTICES:** Containers of this product must be properly labeled. Store containers in a cool, dry location away from heat and sources of ignition. Keep container tightly closed when not in use. Store away from incompatible materials.

## SECTION 8 - EXPOSURE CONTROLS - PERSONAL PROTECTION

### EXPOSURE LIMITS/GUIDELINES:

Chemical Name	CAS#	ACGIH TWA	OSHA TWA
Water	7732-18-5	Not Listed	Not Listed
Trade Secret	Proprietary	Not Listed	Not Listed

# SAFETY DATA SHEET

## Bio Ouster Washing Machine Restoration Plumbing Cleanse

Alkyl Dimethyl Benzyl Ammonium Chloride (C12-18)	68391-01-5	Not Listed	Not Listed
---	------------	------------	------------

Currently, International exposure limits are not established for the components of this product. Please check with competent authority in each country for the most recent limits in place.

**VENTILATION AND ENGINEERING CONTROLS:** Use with adequate ventilation to ensure exposure levels are maintained below the limits provided below. Use local exhaust ventilation to control airborne mist/vapor/dust. Ensure eyewash/safety shower stations are available near areas where this product is used.

*The following information on appropriate Personal Protective Equipment is provided to assist employers in complying with OSHA regulations found in 29 CFR Subpart I (beginning at 1910.132) or equivalent standard of Canada, or standards of EU member states (including EN 149 for respiratory PPE, and EN 166 for face/eye protection), and those of Japan. Please reference applicable regulations and standards for relevant details.*

**RESPIRATORY PROTECTION:** Maintain airborne contaminant concentrations below guidelines listed above, if applicable. If necessary, use only respiratory protection authorized in the U.S. Federal OSHA Respiratory Protection Standard (29 CFR 1910.134), equivalent U.S. State standards, Canadian CSA Standard Z94.4-93, the European Standard EN149, or EU member states.

**EYE PROTECTION:** Splash goggles or safety glasses with side shields recommended where splashing is possible. If necessary, refer to U.S. OSHA 29 CFR 1910.133, Canadian Standards, and the European Standard EN166, Australian Standards, or relevant Japanese Standards.

**HAND PROTECTION:** Compatible chemical protective gloves recommended as appropriate for task. Wash hands after removing gloves. If necessary, refer to U.S. OSHA 29 CFR 1910.138, the European Standard DIN EN 374, the appropriate Standards of Canada, Australian Standards, or relevant Japanese Standards.

**BODY PROTECTION:** Use body protection appropriate to prevent contact (e.g. lab coat, overalls). If necessary, refer to appropriate Standards of Canada, or appropriate Standards of the EU, Australian Standards, or relevant Japanese Standards.

### SECTION 9 - PHYSICAL and CHEMICAL PROPERTIES

<b>PHYSICAL STATE:</b>	Liquid
<b>APPEARANCE &amp; ODOR:</b>	Liquid with a slight organic odor.
<b>ODOR THRESHOLD (PPM):</b>	Not Available
<b>VAPOR PRESSURE (mmHg):</b>	Not Available
<b>VAPOR DENSITY (AIR=1):</b>	Not Available
<b>EVAPORATION RATE (nBuAc = 1):</b>	Not Available
<b>BOILING POINT (C°):</b>	212°F
<b>FREEZING POINT (C°):</b>	Not Available
<b>pH:</b>	7.0 – 8.0
<b>SPECIFIC GRAVITY 20°C: (WATER =1)</b>	1.0
<b>SOLUBILITY IN WATER (%):</b>	Complete
<b>VOC:</b>	Nil

### SECTION 10 - STABILITY and REACTIVITY

**STABILITY:** Product is stable

**DECOMPOSITION PRODUCTS:** When heated to decomposition this product produces Oxides of carbon (COx) and hydrogen chloride fumes.

**MATERIALS WITH WHICH SUBSTANCE IS INCOMPATIBLE:** Strong oxidizing agents, soap, or other anionic materials.

**HAZARDOUS POLYMERIZATION:** Will not occur.

**CONDITIONS TO AVOID:** Contact with incompatible materials, extreme temperatures and freezing conditions.

### SECTION 11 - TOXICOLOGICAL INFORMATION

**TOXICITY DATA:** Toxicity data not available for mixture:

Alkyl Dimethyl Benzyl Ammonium Chloride CAS# 68391-01-5

Oral LD 50 Rat – 426 mg/kg

Dermal LD 50 Rat – 930 mg/kg

## **SAFETY DATA SHEET**

### **Bio Ouster Washing Machine Restoration Plumbing Cleanse**

**SUSPECTED CANCER AGENT:** None of the ingredients are found on the following lists: FEDERAL OSHA Z LIST, NTP, CAL/OSHA, IARC and therefore is not considered to be, nor suspected to be a cancer-causing agent by these agencies.

**IRRITANCY OF PRODUCT:** Contact with this product can be irritating to exposed skin and/or eyes.

**SENSITIZATION OF PRODUCT:** This product is not considered a sensitizer.

**REPRODUCTIVE TOXICITY INFORMATION:** No data available

**SPECIFIC TARGET ORGAN TOXICITY – SINGLE EXPOSURE:** May cause irritation to skin and eyes

**SPECIFIC TARGET ORGAN TOXICITY – REPEATED EXPOSURE:** Repeated or prolonged exposure may cause skin irritation.

**ASPIRATION HAZARD:** None

**OTHER INFORMATION:** This product is significantly diluted in water and has a neutral pH. Dermal testing has been completed on similar product with only a mild reaction.

### **SECTION 12 - ECOLOGICAL INFORMATION**

**ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION.**

**TOXICITY:**

This product has not been tested for its effects on aquatic life.

**PERSISTENCE AND DEGRADABILITY:**

No specific data available on this product.

**BIOACCUMULATIVE POTENTIAL:**

No data available.

**MOBILITY IN SOIL:**

No data available.

**RESULTS OF PBT AND vPvB ASSESSMENT:**

No specific data available on this product.

**OTHER ADVERSE EFFECTS:**

Harmful to aquatic life.

**WATER ENDANGERMENT CLASS:**

Water endangering in accordance with EU Guideline 91/155-EWG. Not determined

### **SECTION 13 - DISPOSAL CONSIDERATIONS**

**PREPARING WASTES FOR DISPOSAL:** Waste disposal must be in accordance with appropriate Federal, State, and local regulations, those of Canada, Australia, EU Member States and Japan.

### **SECTION 14 - TRANSPORTATION INFORMATION**

**US DOT; IATA; IMO; ADR:**

**THIS PRODUCT IS NOT HAZARDOUS AS DEFINED BY 49 CFR 172.101 BY THE U.S. DEPARTMENT OF TRANSPORTATION.**

**PROPER SHIPPING NAME:** Non-Regulated Material

**HAZARD CLASS NUMBER and DESCRIPTION:** None

**UN IDENTIFICATION NUMBER:** None

**PACKING GROUP:** None

**DOT LABEL(S) REQUIRED:** None

**NORTH AMERICAN EMERGENCY RESPONSE GUIDEBOOK NUMBER (2004):** NA

**MARINE POLLUTANT:** None of the ingredients are classified by the DOT as a Marine Pollutant (as defined by 49 CFR 172.101, Appendix B)

**U.S. DEPARTMENT OF TRANSPORTATION (DOT) SHIPPING REGULATIONS:**

This product is not classified as dangerous goods, per U.S. DOT regulations, under 49 CFR 172.101.

**TRANSPORT CANADA, TRANSPORTATION OF DANGEROUS GOODS REGULATIONS:**

This product is not classified as Dangerous Goods, per regulations of Transport Canada.

**INTERNATIONAL AIR TRANSPORT ASSOCIATION (IATA):**

This product is not classified as Dangerous Goods, by rules of IATA:

