

# SAFETY DATA SHEET

IMPORTANT: Read this SDS before handling & disposing of this product.  
Pass this information on to employees, customers, & users of this product.

## SECTION 1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER

PRODUCT IDENTITY:	Evapo-Rust®
PRODUCT USES:	Rust Removal
COMPANY IDENTITY:	Biosolutions LLC
COMPANY ADDRESS:	1811 Hayes, Suite E
COMPANY CITY:	Grand Haven, MI 49417
COMPANY PHONE:	1-616-846-1210
EMERGENCY PHONE:	1-800-424-9300 (U.S.)
CHEMTREC	1-703-527-3887 (outside the U.S.)

## SECTION 2. HAZARDS IDENTIFICATION

### 2.1 HAZARD STATEMENTS: (CAT = Hazard Category)

**This product is not classified as hazardous under 2012 OSHA Hazard Communication Standards (29 CFR 1910.1200).**

Physical Hazards:	None known
Health Hazards:	Non Known
Environmental Hazards:	Non Known
OSHA defined Hazards	<i>Not classified</i>
Label Elements	<b>Intentionally left blank</b>

Signal Word	Non Known
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Hazard Statement	Not applicable
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### 2.2 PRECAUTIONARY STATEMENTS:

None

**SEE SECTIONS 8, 11 & 12 FOR TOXICOLOGICAL INFORMATION.**

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

<b>MATERIAL</b>	<b>CAS#</b>	<b>WT %</b>
Water	77332-18-5	>97%*
Proprietary non-Haz Chelating agent	Proprietary	<3%*
Proprietary non-Haz detergent	Proprietary	<1%*

\*specific percentages of composition are being withheld as a trade secret.

TRACE COMPONENTS: Trace ingredients (if any) are present in < 1% concentration, (< 0.1% for potential carcinogens, reproductive toxins, respiratory tract mutagens, and sensitizers). None of the trace ingredients contribute significant additional hazards at the concentrations that may be present in this product. All pertinent hazard information has been provided in this document, per the requirements of the Federal Occupational Safety and Health Administration Standard (29 CFR 1910.1200), U.S. State equivalents, and Canadian Hazardous Materials Identification System Standard (CPR 4).

### SECTION 4. FIRST AID MEASURES

<b>Inhalation</b>	Not expected to cause respiratory irritation. If adverse effect occurs, move to fresh air.
<b>Skin Contact</b>	not expected to cause skin irritation. If adverse effect occurs, rinse skin with water.
<b>Eye Contact</b>	Not expected to cause eye irritation. F adverse effect occurs, flush eyes with water.
<b>Ingestion</b>	May cause upset stomach. Drink plenty of water to dilute. See section 11
<b>Most important symptoms/effects, acute and delayed</b>	None Known
<b>Indication of immediate medical attention and special treatment needed</b>	Provide general supportive measures and treat symptomatically.
<b>General information</b>	Non Known

## SECTION 5. FIRE FIGHTING MEASURES

<b>Suitable extinguishing media</b>	Water Fog. Foam. Dry chemical powder. Carbon dioxide (CO <sub>2</sub> ). Water Jet.
<b>Unsuitable Extinguishing media</b>	None Known
<b>Specific Hazards arising from the chemical</b>	Irritating vapors may be produced if ignited
<b>Special protective equipment</b>	Self-Contained breathing apparatus and full protective clothing must be worn in case of fire.
<b>Fire-fighting equipment/instructions</b>	In case of fire do not breath fumes.
<b>Specific methods</b>	Use standard firefighting procedures and consider the hazards of the other involved materials.
<b>General fire hazards</b>	None Known

## SECTION 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions, protective equipment, emergency procedures</b>	Keep unnecessary personnel away. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS
<b>Methods and materials for containment and cleaning up</b>	<p>Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water.</p> <p>Small Spills: Wipe up with absorbent material (e.g. cloth, fleece, mop). Clean surface thoroughly to remove residual contamination.</p>
<b>Environmental precautions</b>	Avoid release to the environment. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, Water courses or onto the ground.

## SECTION 7. HANDLING AND STORAGE

<b>Precautions for safe handling</b>	Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Use care in handling/storage. Avoid releases to the environment. Do not empty into drains.
<b>Conditions for safe storage, including any incompatibilities</b>	Store in original tightly closed container. Store in a cool, dry place out of direct sunlight.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Occupational Exposure Limits

#### US. ACGIH Threshold Limit Values

##### Components:

None Known

#### US. NIOSH: Pocket Guide to Chemical Hazards

##### Components:

None Known

<b>Biological Limit values</b>	No biological exposure limits noted for the ingredient(s).
<b>Appropriate Engineering Controls</b>	If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and an emergency shower must be available when handling this product.
<b>Individual protection measures, such as personal protective equipment</b>	
<b>Eye/Face protection</b>	Wear safety glasses with side shields (or goggles). Face shield is recommended.
<b>Skin protection</b>	Wear appropriate chemical resistant gloves. Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.
<b>Respiratory protection</b>	If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.
<b>Thermal hazards</b>	Wear appropriate thermal protective clothing, when necessary.
<b>General hygiene considerations</b>	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

## SECTION 9. PHYSICAL & CHEMICAL PROPERTIES

APPEARANCE:	Liquid, slight yellow
ODOR:	slight
ODOR THRESHOLD:	Not Available
pH (Neutrality):	6.0-7.0
MELTING POINT/FREEZING POINT:	Not Available
BOILING RANGE (IBP,50%,Dry Point):	Not Available
FLASH POINT (TEST METHOD):	Not Available
EVAPORATION RATE (n-Butyl Acetate=1):	Not Available
FLAMMABILITY CLASSIFICATION:	Non Flammable Hazard
LOWER FLAMMABLE LIMIT IN AIR (% by vol):	Not Available
UPPER FLAMMABLE LIMIT IN AIR (% by vol):	Not Available
VAPOR PRESSURE (mm of Hg)@20 C / 68 F:	Not Available
VAPOR DENSITY (air=1):	Not Available
GRAVITY @ 68/68 F / 20/20 C:	
SPECIFIC GRAVITY (Water=1):	1.01 g/mL
POUNDS/GALLON:	8.4 lb/gal
WATER SOLUBILITY:	Soluble
PARTITION COEFFICIENT (n-Octane/Water):	Not Available
AUTO IGNITION TEMPERATURE:	Not Available
DECOMPOSITION TEMPERATURE:	Not Available
VOCs (>0.044 Lbs/Sq In) :	Not Available
TOTAL VOC'S (TVOC)*:	Not Available
NONEXEMPT VOC'S (CVOC)*:	Not Available
HAZARDOUS AIR POLLUTANTS (HAPS):	Not Available
NONEXEMPT VOC PARTIAL PRESSURE (mm of Hg @ 20 C) 0.0	
VISCOSITY @ 20 C (ASTM D445):	Not Available
VOLATILE %:	Not Available

\* Using CARB (California Air Resources Board Rules).

## SECTION 10. STABILITY & REACTIVITY

<b>Reactivity</b>	The product is stable and non-reactive under normal conditions of use, storage and transport.
<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions</b>	No dangerous reactions known under conditions of normal use
<b>Conditions to avoid</b>	None known
<b>Incompatible materials</b>	Strong oxidizing agents
<b>Hazardous decomposition products</b>	No hazardous decomposition products are known

## SECTION 11. TOXICOLOGICAL INFORMATION

<b>Ingestion</b>	Expected to be a low ingestion hazard
<b>Inhalation</b>	Prolonged inhalation may be harmful
<b>Skin Contact</b>	Causes skin irritation. May cause an allergic skin reaction.
<b>Eye Contact</b>	Direct contact with eyes may cause temporary irritation.
<b>Symptoms related to the physical, chemical and toxicological characteristics</b>	Dermatitis. Rash. Skin irritation. May cause Redness and Pain . May cause an allergic skin reaction.

### Information on toxicological effects

<b>Acute toxicity</b>	May cause an allergic skin reaction
<b>Skin Corrosion/irritation</b>	Causes skin irritation.
<b>Serious eye damage/Eye irritation</b>	Direct contact with eyes may cause temporary irritation.
<b>Respiratory sensitization</b>	Not available.
<b>Skin sensitization</b>	Not available
<b>Germ Cell mutagenicity</b>	No data available to indicate product or any components present at greater than .01% are mutagenic or genotoxic
<b>Carcinogenicity</b>	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
<b>Reproductive toxicity</b>	This product is not expected to cause reproductive or developmental effects.
<b>Specific target organ toxicity -Single Exposure</b>	Not Classified.
<b>Specific target organ toxicity -Repeated exposure</b>	Not Classified.
<b>Aspiration hazard</b>	Not available.
<b>Chronic Effects</b>	Prolonged inhalation may be harmful.

## SECTION 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	Toxic to aquatic life
<b>Persistence and degradability</b>	No data is available on the degradability of this product
<b>Bioaccumulative potential</b>	No data available
<b>Mobility in soil</b>	No data available
<b>Other adverse Effects</b>	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

## SECTION 13. DISPOSAL CONSIDERATIONS

The generation of waste should be avoided or minimized wherever possible. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers and liners may retain some product residues. Vapor from some product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Processing, use or contamination may change the waste disposal requirements. Do not dispose of on land, in surface waters, or in storm drains. Waste should be recycled or disposed of in accordance with regulations. Large amounts should be collected for reuse or consigned to licensed hazardous waste haulers for disposal. ALL DISPOSAL MUST BE IN ACCORDANCE WITH ALL FEDERAL, STATE, PROVINCIAL, AND LOCAL REGULATIONS. IF IN DOUBT, CONTACT PROPER AGENCIES.

## SECTION 14. TRANSPORT INFORMATION

<b>MARINE POLLUTANT:</b>	No
<b>DOT/TDG SHIP NAME:</b>	Not regulated as dangerous goods
<b>IATA / ICAO:</b>	Not regulated as dangerous goods
<b>IMO / IMDG:</b>	Not regulated as dangerous goods

## SECTION 15. REGULATORY INFORMATION

### **TSCA section 12(b) Export Notification (40 CFR 707, Subpt. D)**

Not Regulated

### **CERCLA hazardous Substance List (40 CFR 302.4)**

Not listed

### **SARA 304 Emergency release notification**

Not Regulated

### **OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Not listed

### **Superfund Amendments and Reauthorization Act of 1986 (SARA)**

#### **Hazard Categories**

Immediate Hazard- No

Delayed Hazard- No

Fire Hazard- No

Pressure Hazard- No

Reactivity Hazard- NO

### **SARA 302 Extremely hazardous substance**

Not Listed

### **SARA 311/312 Hazardous chemical**

No

### **SARA 313 (TRI reporting)**

Not regulated

### **Other federal regulations**

#### **Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Not regulated

#### **Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

Not Regulated

#### **Safe Drinking Water Act (SDWA)**

Not regulated

### **State regulations**

#### **US. Massachusetts RTK- Substance List**

Not regulated

#### **US. New Jersey Worker and Community Right-to-Know Act**

Not regulated

#### **US. Pennsylvania Worker and Community Right-to-Know Law**

Not regulated

#### **US. Rhode Island RTK**

Not regulated

#### **US. California Proposition 65**

WARNING! This product contains a chemical known in in the State of California to cause birth defects or other reproductive harm. WARNING! This product contains a chemical known in the State of California to cause cancer. Impurities (<0.1%).

**1,4-Dioxane**

**Ethylene oxide**

**Carcinogen**

**Carcinogen, Developmental, Female  
Reproductive, Male Reproductive**



**International Inventories**

<b>Country(s) or region</b>	<b>Inventory name</b>	<b>On Inventory (yes/no)</b>
Australia	(ALCS)	No
Canada	(DSL)	No
Canada	(NDSL)	No
China	(IECSC)	No
Europe	(ELINCS)	No
Europe	(ENIECS)	No
Japan	(ENCS)	No
Korea	(ECL)	No
New Zealand	New Zealand Inventory	No
Philippines	(PICCS)	No
United States & Puerto Rico	(TSCA)	No

**SECTION 16. OTHER INFORMATION**

**Issue Date** 6/22/15

**Version #** 01

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