

## Safety Data Sheet

### Reduce It

## SECTION 1: Identification

### 1.1 GHS Product identifier

Product name	Reduce It
1. <b>Product Name:</b> Eco-Friendly Paper Plates	1. <b>Material:</b> Recycled paper, biodegradable.
2. <b>Product Name:</b> Organic Cotton T-Shirt	2. <b>Material:</b> Organic cotton, no pesticides.
3. <b>Product Name:</b> Bamboo Toothbrush	3. <b>Material:</b> Bamboo handle, biodegradable.
4. <b>Product Name:</b> Reusable Water Bottle	4. <b>Material:</b> Stainless steel, durable.
5. <b>Product Name:</b> Compostable Food Containers	5. <b>Material:</b> Compostable plastic, biodegradable.
6. <b>Product Name:</b> Recycled Glass Jar	6. <b>Material:</b> Recycled glass, reusable.
7. <b>Product Name:</b> Natural Soap Bar	7. <b>Material:</b> Natural oils, biodegradable.
8. <b>Product Name:</b> Recycled Paper Notebook	8. <b>Material:</b> Recycled paper, biodegradable.
9. <b>Product Name:</b> Organic Cotton Socks	9. <b>Material:</b> Organic cotton, no pesticides.
10. <b>Product Name:</b> Bamboo Toothbrush	10. <b>Material:</b> Bamboo handle, biodegradable.

## 1.2 Recommended Use

Poultry Water Acidifier / pH adjuster

## 1.2 Supplier's details

Name	BioSafe Systems
Address	22 Meadow Street East Hartford CT 06108 USA
Telephone	1.888.273.3088

### 1.3 Emergency phone number

CHEMTREC: 1-800-424-9300

## SECTION 2: Hazard identification

## 2.1 Classification of the substance or mixture

**GHS classification in accordance with: OSHA (29 CFR 1910.1200, 2024)**

- Eye damage/irritation, Cat. 1
- Skin corrosion/irritation, Cat. 1
- Corrosive to metals, Cat. 1

## 2.2 GHS label elements, including precautionary statements

## Pictograms



### Signal word

## Danger

**Hazard statement(s)**

H314  
H290

Causes severe skin burns and eye damage  
May be corrosive to metals

**Precautionary statement(s)**

P101

If medical advice is needed, have label at hand.

P102

Keep out of reach of children

P103

Read label before use.

P260

Do not breathe fume/gas/mist/vapors/spray.

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.

P280

Wear protective gloves/protective clothing/eye protection/face protection.

P301+P330+P331

If swallowed: Rinse mouth. Do NOT induce vomiting.

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P303+P361+P353

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water.

P304+P340

If inhaled: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310

Immediately call a poison center/doctor if you feel unwell.

P321

Specific treatment see the first aid section on this label.

P370+P378

In case of fire: Use water to extinguish.

P363

Wash contaminated clothing before reuse.

P405

Store locked up.

P411+P235

Store at temperatures not exceeding 40°C (104°F). Keep cool.

P410+P403

Protect from sunlight. Store in a well-ventilated place.

P501

Dispose of contents according to local, state and federal regulations.

P234

Keep only in original packaging.

P390

Absorb spillage to prevent material damage.

P406

Store in a corrosive resistant container with a resistant inner liner.

## SECTION 3: Composition/information on ingredients

### 3.1 Mixtures

Component	Concentration
Sulfuric acid (CAS no.: 7664-93-9)	30 - 50 % (weight)
Sodium sulfate (CAS no.: 7757-82-6)	1 - 10 % (weight)

## SECTION 4: First-aid measures

### 4.1 Description of necessary first-aid measures

General advice

Consult a physician, if you feel unwell. Show this safety data sheet to the doctor in attendance.

If inhaled

If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Call a poison center or a doctor.

In case of skin contact

Wash skin with plenty of water. Take off contaminated clothing and wash it before reuse. Call a poison center or doctor if irritation develops or persists.

In case of eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a poison center or doctor if irritation develops or persists.

If swallowed

Rinse mouth. Do NOT induce vomiting. Immediately call a poison center or doctor. If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration. Never give anything by mouth to an unconscious person.

### 4.2 Most important symptoms/effects, acute and delayed

Symptoms/effects after inhalation : May cause respiratory irritation

Symptoms/effects after skin contact : Burns

Symptoms/effects after eye contact : Serious damage to eyes

Symptoms/effects after ingestion : Burns

### 4.3 Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically.

## **SECTION 5: Fire-fighting measures**

### **5.1 Suitable extinguishing media**

Use water or water spray.

### **5.2 Specific hazards arising from the chemical**

Toxic fumes may be released. Sodium sulfate: Sulphur oxides, Sodium oxides

### **5.3 Special protective actions for fire-fighters**

Do not attempt to take action without suitable protective equipment. Avoid any skin contact. Effects of contact or inhalation may be delayed. Fire may produce irritating, corrosive and/or toxic gases. Wear positive pressure self-contained breathing apparatus (SCBA). Wear chemical protective clothing.

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## **SECTION 6: Accidental release measures**

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

Wear respiratory protection if necessary. Avoid breathing mist, vapors, or spray. Ensure adequate ventilation. Evacuate personnel to safe areas. For personal protection see section 8.

### **6.2 Environmental precautions**

Do not let product enter drains and avoid releases to the environment.

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

Neutralize spill with sodium bicarbonate. Stop leak if you can do it without risk. Take up liquid spill into inert absorbent material. Dispose according to local, state, and federal regulations.

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## **SECTION 7: Handling and storage**

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

Do not breathe mist, vapors, or spray. Wash skin thoroughly after handling. Do not eat, drink or smoke when using this product. Keep away from heat and sources of ignition - No smoking. See Section 8 for information on Personal Protective Equipment.

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

Store locked up in original container. Store in a well ventilated place and keep cool, do not freeze. Keep away from direct sunlight and sources of ignition. Store away from incompatible materials. See Section 10 for information on Incompatible Materials. Keep out of the reach of children. This product should be used within 36 months of the date of manufacture.

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## **SECTION 8: Exposure controls/personal protection**

### **8.1 Control parameters**

**CAS: 7664-93-9 Sulfuric acid**

NIOSH (US): 1 mg/m<sup>3</sup> REL inhalation; US/OSHA (US): 1 mg/m<sup>3</sup> PEL inhalation; 1 mg/m<sup>3</sup> TWA inhalation

### **8.2 Appropriate engineering controls**

Use ventilation adequate to keep exposures below recommended exposure limits.

### **8.3 Individual protection measures, such as personal protective equipment (PPE)**

#### **Pictograms**



#### **Eye/face protection**

Safety glasses.

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### Skin protection

Protective gloves.

### Body protection

Wear protective clothing. Clothing with full length sleeves and pants should be worn.

### Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment.

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## SECTION 9: Physical and chemical properties

Physical state	Liquid
Appearance	Clear, colorless liquid.
Color	Colorless
Odor	Odorless
Odor threshold	No data available.
Melting point/freezing point	0.4-F (-18C)
Boiling point or initial boiling point and boiling range	49.8F (121C).
Flammability	Not applicable.
Lower and upper explosion limit/flammability limit	No data available.
Flash point	No data available.
Explosive properties	No data available.
Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
Oxidizing properties	No data available.
pH	1.5
Kinematic viscosity	No data available.
Solubility	Complete.
Partition coefficient n-octanol/water (log value)	No data available.
Vapor pressure	No data available.
Evaporation rate	No data available.
Density and/or relative density	11.3 lbs/gal
Relative vapor density	No data available.

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Reacts violently with strong alkaline substances. May be corrosive to metals and may react with reducing agents.

### 10.2 Chemical stability

Stable under normal storage conditions.

### 10.3 Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4 Conditions to avoid

Contact with incompatible materials. Excessive heat. Protect from freezing. Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources.

### 10.5 Incompatible materials

Sulfuric acid: Bases, Halides, Organic materials, Carbides, fulminates, Nitrates, picrates, Cyanides, Chlorates, alkali halides, Zinc salts, permanganates, Hydrogen peroxide, Azides, Perchlorates., Nitromethane, phosphorous, Reacts violently with: cyclopentadiene, cyclopentanone oxime, nitroaryl amines, phosphorous(III) oxide.  
Sodium sulfate: Strong acids, Aluminum, Magnesium

### 10.6 Hazardous decomposition products

Sulfuric acid: Hazardous decomposition products formed under fire conditions. - Sulphur oxides.

## **SECTION 11: Toxicological information**

### **Acute toxicity**

Sulfuric acid

LD50 Oral - Rat - 2,140 mg/kg LC50 Inhalation - Rat - 510 mg/m<sup>3</sup> - 2 h

Sodium sulfate

LD50 - Mouse - 5,989 mg/kg

### **Skin corrosion/irritation**

Causes severe burns. Signs/symptoms may include intense burning, pain, blistering or blackened skin.

### **Serious eye damage/irritation**

Causes serious eye irritation. Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

### **Respiratory or skin sensitization**

May cause respiratory tract irritation.

### **Germ cell mutagenicity**

No data available.

### **Carcinogenicity**

Sulfuric acid

Result: The International Agency for Research on Cancer (IARC) has determined that occupational exposure to strong inorganic-acid mists containing sulfuric acid is carcinogenic to humans (group 1).

### **Reproductive toxicity**

No data available.

### **Specific target organ toxicity (STOT) - single exposure**

No data available.

### **Specific target organ toxicity (STOT) - repeated exposure**

No data available.

### **Aspiration hazard**

No data available.

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## **SECTION 12: Ecological information**

### **Toxicity**

Sulfuric acid LC50 - Gambusia affinis (mosquito fish) - 42 mg/l - 96 h EC50 - Daphnia magna (water flea) - 29 mg/l - 24 h

Sodium sulfate LC50 - Lepomis macrochirus (bluegill) - 4,380 mg/l - 96 hr, EC50 - Daphnia magna (water flea) - 2,564 mg/l - 48 hr. LC50 - Gambusia affinis (Mosquito fish) - 120 mg/l - 96 hr

### **Persistence and degradability**

No data available.

### **Bioaccumulative potential**

No data available.

### **Mobility in soil**

No data available.

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## **SECTION 13: Disposal considerations**

### **Product disposal**

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Disposal should be in accordance with applicable Federal, State and local laws and regulations. Local regulations may be more stringent than State or Federal requirements.

#### Packaging disposal

Dispose of as unused product. Do not reuse containers.

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## SECTION 14: Transport information

#### DOT (US)

UN Number: UN3264

Class: 8

Packing Group: III

Proper Shipping Name: Corrosive liquid, acidic, inorganic, n.o.s (Sulfuric Acid)

#### IMDG

UN Number: UN3264

Class: 8

Packing Group: III

Proper Shipping Name: Corrosive liquid, acidic, inorganic, n.o.s (Sulfuric Acid)

#### IATA

UN Number: UN3264

Class: 8

Packing Group: III

Proper Shipping Name: Corrosive liquid, acidic, inorganic, n.o.s (Sulfuric Acid)

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## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations specific for the product in question

#### SARA 302 Components

The following components are subject to reporting levels established by SARA Title III, Section 302:

Sulfuric acid

#### SARA 313 Components

The following components are subject to reporting levels established by SARA Title III, Section 313:

Sulfuric acid

#### SARA 311/312 Hazards

Acute Health Hazard, Chronic Health Hazard for: Sulfuric acid.

#### US EPA TSCA public inventory

Chemical name: Sulfuric acid

CAS number: 7664-93-9

Chemical name: Sodium sulfate

CAS number: 7757-82-6

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## SECTION 16: Other information

### 16.1 Further information/disclaimer

DISCLAIMER: The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of information for their particular purposes. In no event shall BioSafe Systems be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, whatsoever arising, even if BioSafe Systems has been advised of the possibility of such damages.