



# GSMoT Hydrosonic Solvent

## 1. IDENTIFICATION

**Product Name:** Hydrosonic Solvent  
**Product Code:** 43101, 43103, 43104  
**SDS#:** MS-43101  
**Recommended use:** Cleaning Compound  
May be diluted with water, 8 parts to 1

**Supplier:**

Global Scuba Manufacturing of Texas LLC  
4674 Prime Lane, Suite 402  
Pflugerville, TX 78660  
Phone: (512) 240-6644

**SDS Internet website:** <http://www.global-mfg.com>

**Emergency telephone number:** (512) 240-6644

## 2. HAZARDS IDENTIFICATION

**Emergency Overview**

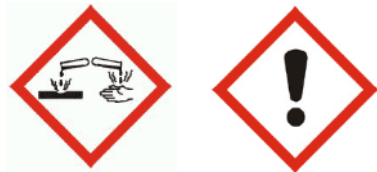
Appearance	Liquid
Color	Green
Odor	Mild
Hazard Summary	Harmful by inhalation and if swallowed. Causes severe burns.

**GHS Classification**

Acute toxicity (Oral):	Category 4
Acute toxicity (Dermal):	Category 4
Skin corrosion:	Category 1A
Serious eye damage:	Category 1

**GHS Label Element**

Hazard pictograms:



**Signal word:** Danger  
**Hazard statements:** Harmful if swallowed or in contact with skin.  
Causes severe skin burns and eye damage.

**Precautionary statements:**

**Prevention:** Wash skin thoroughly after handling. Do not eat, drink or smoke when using this product.  
Wear protective gloves, protective clothing, eye protection, and face protection.

## SAFETY DATA SHEET

**Response:** IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Remove all contaminated clothing immediately. Rinse skin with water/shower. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician. Wash contaminated clothing before reuse.

**Storage:** Store locked up.

**Disposal:** Dispose of contents/container at an approved waste disposal plant.

### Potential Health Effects

Inhalation: Yes  
Skin: Yes  
Ingestion: Yes  
Aggravated Medical Condition: None known

### 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: Confirmed animal carcinogen with unknown relevance to humans.  
2-Butoxy ethanol 111-76-2

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.

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.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Substance / Mixture

### Hazardous Ingredients

Component	CAS #	Weight %
Phosphoric acid	7664-38-2	50% -70%
2-Butoxy ethanol	111-76-2	10% -20%

Unidentified ingredients are considered not hazardous under Federal Hazard Communication Standard (29CFR 1910.1200).

Specific chemical identity of composition has been withheld as a trade secret.

**\*Exact percentages are being withheld as trade secret information**

## 4. FIRST AID MEASURES

**If inhaled:** Remove to fresh air. If symptoms persist, call a physician. If breathing is irregular or stopped, administer artificial respiration.

**Skin contact:** Wash off immediately with plenty of water for at least 15 minutes. Take off contaminated clothing and shoes immediately. Get medical attention immediately if irritation develops and persists.

**Eye contact:** Rinse immediately with plenty of water for at least 15 minutes. Keep eye wide open while rinsing. Get medical attention immediately.

**If Swallowed:** Rinse mouth. Drink 1 or 2 glasses of water. Never give anything by mouth to an unconscious person. Get medical attention immediately.

## 5. FIRE-FIGHTING MEASURES

<b>Specific methods:</b>	Use water spray to cool unopened containers.
<b>Suitable extinguishing media:</b>	Dry chemical, Carbon dioxide (CO <sub>2</sub> ), Foam, Water spray
<b>Specific hazards:</b>	Not applicable.
<b>Special protective equipment for firefighters:</b>	In the event of fire, wear self-contained breathing apparatus.

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions, protective equipment and emergency procedures:</b>	Ensure adequate ventilation.
<b>Methods and materials for containment and cleaning up:</b>	Ventilate area. Neutralize with lime milk or soda and flush with plenty of water. Clean up with inert absorbent material. Keep in suitable, closed containers for disposal. Flush with plenty of water.
<b>Additional advice:</b>	Never return spills in original containers for re-use.

## 7. HANDLING AND STORAGE

<b>Advice on Safe Handling:</b>	Add this product to surface of solution slowly to avoid spattering. Do not add large amounts of product to solution at any one time. Use only with adequate ventilation.
<b>Conditions for safe storage:</b>	Keep containers dry and tightly closed to avoid moisture absorption and contamination. Store indoors in a cool, well-ventilated place.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Components	CAS #	Value type Form of exposure	Control Parameters / Permissible Concentration	Basis
Phosphoric acid	7664-38-2	TWA	1.000000 mg/m <sup>3</sup>	ACGIH
		STEL	3.000000 mg/m <sup>3</sup>	ACGIH
		TWA	1.000000 mg/m <sup>3</sup>	NIOSH REL
		ST	3.000000 mg/m <sup>3</sup>	NIOSH REL
		TWA	1.000000 mg/m <sup>3</sup>	OSHA Z-1
		TWA	1.000000 mg/m <sup>3</sup>	OSHA P0
2-Butoxy ethanol	111-76-2	STEL	3.000000 mg/m <sup>3</sup>	OSHA P0
		TWA	20 ppm	ACGIH
		TWA	5 ppm 24.000000 mg/m <sup>3</sup>	NIOSH REL
		TWA	50 ppm 240.000000 mg/m <sup>3</sup>	OSHA Z-1
		TWA	25 ppm 120.000000 mg/m <sup>3</sup>	OSHA P0
		TWA	25 ppm 120.000000 mg/m <sup>3</sup>	OSHA P0

### Biological occupational exposure limits

Component	CAS #	Control Parameters	Biological Specimen	Sampling time	Permissible concentration	Basis
2-Butoxy ethanol	111-76-2 111-76-2	Butoxyacetic acid (BAA)	Urine	End of shift (As soon as possible after exposure ceases)	200.mg/g Creatinine	ACGIH BEI

**Personal Protective Equipment**

Eye protection:	Chemical resistant goggles must be worn. Face-shield.
Hand protection:	Impervious gloves
Skin and body protection:	Rubber or plastic apron
Respiratory protection:	If the occupational exposure limits cannot be met, suitable respirator equipment shall be worn.
Hygiene measures:	Avoid contact with skin, eyes and clothing. Wear suitable gloves and eye/face protection. Wear suitable protective clothing. Wash hands before breaks and immediately after handling the product. Provide adequate ventilation. Do not inhale fumes. Keep away from food and drink.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	Liquid	<b>Upper explosion limit:</b>	Not applicable
<b>Color:</b>	Green	<b>Lower explosion limit:</b>	Not applicable
<b>Odor:</b>	Mild	<b>Relative density:</b>	1.345
<b>pH:</b>	< 2.5	<b>Bulk density:</b>	11.2 lb/gal
<b>Freezing point:</b>	~0 °C	<b>Water solubility:</b>	Completely soluble
<b>Boiling point/boiling range:</b>	No data available	<b>Auto-ignition temperature:</b>	No data available
<b>Flash point:</b>	Does not flash	<b>Thermal decomposition:</b>	No data available
<b>Evaporation rate:</b>	1, Water = 1	<b>Viscosity, dynamic:</b>	No data available

**10. STABILITY AND REACTIVITY**

<b>Conditions to avoid:</b>	Freezing
<b>Incompatible materials:</b>	Bases.
<b>Materials to avoid:</b>	Do not use together with other products. May release dangerous gases (chlorine).
<b>Hazardous decomposition products:</b>	Carbon dioxide, Carbon monoxide, Hydrogen, by reaction with metals, Oxides of phosphorus

**11. TOXICOLOGICAL INFORMATION****Acute toxicity**

## Product

Acute oral toxicity:	Acute toxicity estimate: 1,902.000000 mg/kg Method: Calculation method
Acute inhalation toxicity:	Acute toxicity estimate: > 40.000000 mg/l Exposure time: 4 h Test atmosphere: vapor Method: Calculation method
Acute dermal toxicity:	Acute toxicity estimate: 1,015.000000 mg/kg Method: Calculation method

**Components**

## Phosphoric acid

Acute oral toxicity:	LD50 rat: 3,500.000000 mg/kg
Acute dermal toxicity:	LD50 rabbit: 2,740.000000 mg/kg

## 2-Butoxy ethanol

Acute oral toxicity:	LD50 rat: 917.000000 mg/kg
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Acute inhalation toxicity:	LD50 rat: 470.000000 mg/kg LD50 rabbit: 320.000000 mg/kg LD50 rabbit: 300.000000 mg/kg LD50 mouse: 1,167.000000 mg/kg LD50 mouse: 1,230.000000 mg/kg LC50 rat: 700 ppm Exposure time: 7 h Test atmosphere: vapor
Acute dermal toxicity:	LD50 guinea pig: 230.000000 mg/kg LD50 rabbit: 220.000000 mg/kg

**Skin corrosion/irritation**

Components

Phosphoric acid: Result: Corrosive

**Serious eye damage/eye irritation**

Components

Phosphoric acid: Result: Risk of serious damage to eyes.

**Respiratory or skin sensitization** No Data Available**Germ cell mutagenicity** No Data Available**Carcinogenicity** No Data Available**Reproductive toxicity** No Data Available**STOT - single exposure** No Data Available**STOT - repeated exposure** No Data Available**Aspiration toxicity** No Data Available**12 ECOLOGICAL INFORMATION****Ecotoxicity** No information available**13 DISPOSAL CONSIDERATIONS****Disposal Methods**

Waste from residues: Refer to all federal, provincial, state and local regulation prior to disposition of container and unused contents by reuse, recycle or disposal.

**14. TRANSPORT INFORMATION****International regulation:** UN1805, Phosphoric Acid, Solution, Class 8, PG III**National Regulations:** UN1805, Phosphoric Acid, Solution, Class 8, PG III**15. REGULATORY INFORMATION****TSCA Status:** All components of this material comply with US TSCA requirements.**OSHA Hazards:** Toxic by inhalation, ingestion, skin absorption, corrosive to skin.**WHMIS Classification:** E: Corrosive Material  
D2B: Toxic Material Causing Other Toxic Effects**EPCRA - Emergency Planning and Community Right-to-Know Act**

**CERCLA Reportable Quantity**

Components	CAS #	Component RQ (lbs)	Calculated product RQ (lbs)
Phosphoric acid	7664-38-2	5,000	9,615

**SARA 311/312 Hazards:** Acute Health Hazard

**SARA 302:** No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

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

2-Butoxy ethanol                      111-76-2

**US State Regulations****Massachusetts Right To Know**

Phosphoric acid                      7664-38-2

2-Butoxy ethanol                      111-76-2

**New Jersey Right To Know**

Phosphoric acid                      7664-38-2

2-Butoxy ethanol                      111-76-2

Water                                      7732-18-5

Gluconic acid                         526-95-4

Trade Secret Registry                735517-5111P

**Pennsylvania Right To Know**

Phosphoric acid                      7664-38-2

2-Butoxy ethanol                      111-76-2

Water                                      7732-18-5

**16. OTHER INFORMATION**

**Corrosive Acid:**                      Splash Goggles, Gloves, Apron, Dust and Vapor Respirator

- 0 = Not Significant
- 1 = Slight
- 2 = Moderate
- 3 = High
- 4 = Extreme
- \* = Chronic

**NFPA**

Health:                                    3

Flammability:                           0

Instability:                             0

**HMIS III**

Health:                                    3

Flammability:                           0

Physical Hazard:                      0

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