

SAFETY DATA SHEET



GSMoT Hydrosonic Solvent

1. IDENTIFICATION

Product Name: Hydrosonic Solvent
Product Code(s): 43103, 43104, 43101
SDS#: MS-43103
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:

Hydrosonic Solvent #43101
Version: 2



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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/ face protection.

Response:

IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell. Rinse mouth.
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. 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 to 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.

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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

Specific methods:	Use water spray to cool unopened containers.
Suitable extinguishing media:	Dry chemical Carbon dioxide (CO2) Foam Water spray
Specific hazards:	Not applicable.
Special protective equipment for firefighters:	In the event of fire, wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:	Ensure adequate ventilation.
Methods and materials for containment and cleaning up:	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.
Additional advice	Never return spills in original containers for re-use.

7. HANDLING AND STORAGE

Advice on Safe Handling:	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.
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Conditions for safe storage: 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 ³	ACGIH
		STEL	3.000000 mg/m ³	ACGIH
		TWA	1.000000 mg/m ³	NIOSH REL
		ST	3.000000 mg/m ³	NIOSH REL
		TWA	1.000000 mg/m ³	OSHA Z-1
		TWA	1.000000 mg/m ³	OSHA P0
2-Butoxy ethanol	111-76-2	STEL	3.000000 mg/m ³	OSHA P0
		TWA	20 ppm	ACGIH
		TWA	5 ppm 24.000000 mg/m ³	NIOSH REL
		TWA	50 ppm 240.000000 mg/m ³	OSHA Z-1
		TWA	25 ppm 120.000000 mg/m ³	OSHA P0

Biological occupational exposure limits

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

Appearance:	liquid
Color:	green
Odor:	mild
pH:	< 2.5
Freezing point:	~0 °C
Boiling point/boiling range:	no data available
Flash point:	does not flash
Evaporation rate:	1, Water = 1
Upper explosion limit:	Not applicable.
Lower explosion limit:	Not applicable.
Relative density:	1.345
Bulk density:	11.2 lb/gal
Solubility(ies)	
Water solubility:	completely soluble
Auto-ignition temperature:	No data available
Thermal decomposition:	No data available
Viscosity, dynamic:	No data available

10. STABILITY AND REACTIVITY

Conditions to avoid:	freezing
Incompatible materials:	Bases Warning! Do not use together with other products. May release dangerous gases (chlorine).

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Hazardous decomposition products: Carbon dioxide (CO₂)
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
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

Acute inhalation toxicity: LC50 rat: 700 ppm
Exposure time: 7 h
Test atmosphere: vapor

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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., Toxic by ingestion, Toxic by 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: 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

Pennsylvania Right To Know

Phosphoric acid: 7664-38-2
Water: 7732-18-5
2-Butoxy ethanol: 111-76-2

New Jersey Right To Know

Phosphoric acid: 7664-38-2
Water: 7732-18-5

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2-Butoxy ethanol: 111-76-2
Gluconic acid: 526-95-4
Trade Secret Registry: 735517-5111P

NFPA

Health: 3
Flammability: 0
Instability: 0

HMIS III

Health: 3
Flammability: 0
Physical Hazard: 0

0 = not significant, 1 = Slight,
2 = Moderate, 3 = High
4 = Extreme, * = Chronic

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

16. OTHER INFORMATION

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