

# SAFETY DATA SHEET

Date Prepared : 03/23/2018  
SDS No. : Miami Suspend

## Sanygen Suspend

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Sanygen Suspend  
**GENERAL USE:** Metal Control for swimming pools.

**DISTRIBUTOR**

Miami Products & Chemical Company  
P.O. Box 486  
Dayton, OH 45401

### 2. HAZARDS IDENTIFICATION

**GHS LABEL**



Corrosion

**SIGNAL WORD:** DANGER

**HAZARD STATEMENTS**

H290: May be corrosive to metals.  
H303: May be harmful if swallowed.  
H314: Causes severe skin burns and eye damage.

**PRECAUTIONARY STATEMENT(S)**

**Prevention:**

P260: Do not breathe dust/fume/gas/mist/vapours/spray.  
4304ZF6P: Wash exposed skin thoroughly after handling.  
7052PC2H: Wear protective gloves, eye protection, protective clothing.  
P234: Keep only in original packaging.  
P501: Dispose of contents/container to ...

**POTENTIAL HEALTH EFFECTS**

**EYES:** Corrosive. Causes eye burns and permanent tissue damage.  
**SKIN:** Corrosive. May cause skin burns and permanent skin damage.  
**INGESTION:** Corrosive to mouth, esophagus and stomach.  
**INHALATION:** Vapors and mists may be irritating to eyes and respiratory tract.

**CARCINOGENICITY:** None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA, or ACGIH as a carcinogen.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt. %	CAS
1,2,4 Butanetricarboxylic Acid, 2-phosphono-	Trade Secret	37971-36-1
Phosphonic Acid, (1-hydroxyethylidene)bis-	Trade Secret	2809-21-4
Other non-hazardous ingredients	Trade Secret	

**COMMENTS:** Trade Secret Contains sodium benzoate and citric acid as stabilizers.

### 4. FIRST AID MEASURES

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**EYES:** Immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.

**SKIN:** Immediately wash skin with plenty of soap and water for 15 minutes while removing contaminated clothing and shoes. Get immediate medical attention. Launder clothing before re-use and discard shoes that cannot be thoroughly cleaned.

**INGESTION:** Do not induce vomiting. Give plenty of water to drink. Never give anything by mouth to an unconscious person. Get medical attention immediately.

**INHALATION:** Immediately move the victim from exposure and get immediate medical attention. If breathing is difficult, give oxygen. If breathing stops, give artificial respiration.

### 5. FIRE FIGHTING MEASURES

**EXTINGUISHING MEDIA:** Use extinguishing media appropriate for surrounding fire.

**FIRE FIGHTING PROCEDURES:** Use water spray to cool fire-exposed surfaces and to protect personnel. Isolate "fuel" supply from fire.

**FIRE FIGHTING EQUIPMENT:** Firefighters should wear self-contained breathing apparatus (SCBA) and turn-out gear.

### 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** For spills, implement cleanup procedures.

**LARGE SPILL:** Implement cleanup procedures and if in public areas, advise authorities.

#### ENVIRONMENTAL PRECAUTIONS

**WATER SPILL:** Prevent additional discharge of material, if possible to do so without hazard. Request all to stay clear. This material is water soluble/dispersible, and may not be recoverable.

**LAND SPILL:** Prevent additional discharge of material, if possible to do so without hazard. Warn occupants and downwind areas of corrosive release hazard and request all to stay clear.

**GENERAL PROCEDURES:** Contain spilled liquid with sand or earth. Recover by pumping or with suitable absorbent.

### 7. HANDLING AND STORAGE

**GENERAL PROCEDURES:** Keep containers closed. Open container carefully and handle with care. Store in a cool, well-ventilated place away from incompatible materials. Do NOT pressurize, cut, heat or weld containers. Empty product containers may contain product residue. Do not reuse empty containers.

**STORAGE:** Corrosive to most metals, including carbon steel, aluminum/aluminum alloys and copper /copper alloys.

**STORAGE TEMPERATURE:** Ambient.

**STORAGE PRESSURE:** Atmospheric

**COMMENTS:** Avoid contact with strong oxidizing agents.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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### EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)				
EXPOSURE LIMITS				
Chemical Name	Type		ppm	mg/m <sup>3</sup>
Phosphonic Acid, (1-hydroxyethylidene)bis-	OSHA PEL	TWA	ppm <sup>[1]</sup>	mg/m <sup>3</sup> <sup>[1]</sup>
		STEL	ppm	mg/m <sup>3</sup>
	ACGIH TLV	TWA	ppm	mg/m <sup>3</sup>
		STEL	ppm	mg/m <sup>3</sup>
	Supplier OEL	TWA	NL	NL
		STEL	NL	NL
<b>Footnotes:</b> 1. NL = Not Listed				

### PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** Chemical splash goggles and face shield.

**SKIN:** Chemical-resistant gloves.

**RESPIRATORY:** When misting may occur, a NIOSH/MSHA approved respirator approved for the material and level of exposure may be used.

**PROTECTIVE CLOTHING:** Long sleeves.

**WORK HYGIENIC PRACTICES:** Eyewash fountains in the workplace are strongly recommended.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Liquid

**ODOR:** Mild.

**COLOR:** Blue

**pH:** < 2

**FLASHPOINT AND METHOD:** Not Flammable

**FLAMMABLE LIMITS:** Non-flammable.

**BOILING POINT:** > (212°F)

**FREEZING POINT:** Not Available

**SOLUBILITY IN WATER:** Soluble

**EVAPORATION RATE:** Not Available

**SPECIFIC GRAVITY:** 1.151 to 1.159

## 10. STABILITY AND REACTIVITY

**HAZARDOUS POLYMERIZATION:** None of the ingredients are listed as carcinogens.

**STABILITY:** Stable.

**CONDITIONS TO AVOID:** Contact with common metals might produce flammable hydrogen gas.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Phosphines, CO, CO<sub>2</sub> and oxides of nitrogen.

**INCOMPATIBLE MATERIALS:** Strong oxidizers and strong alkalis.

## 11. TOXICOLOGICAL INFORMATION

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**STOT-SINGLE EXPOSURE:** May cause damage to the following organs: upper respiratory tract, skin, eyes.

### 12. ECOLOGICAL INFORMATION

**COMMENTS:** None available.

### 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Dispose in accordance with all applicable regulations.

### 14. TRANSPORT INFORMATION

#### DOT (DEPARTMENT OF TRANSPORTATION)

**PROPER SHIPPING NAME:** Corrosive Liquid, Acidic, Organic, N.O.S. (Phosphonic acids)

**PRIMARY HAZARD CLASS/DIVISION:** 8

**UN/NA NUMBER:** UN 3265

**PACKING GROUP:** II

**OTHER SHIPPING INFORMATION:** DOT exception 173.154 - this product qualifies as a Limited Quantity when inner packaging does not exceed 0.3 gallons.

### 15. REGULATORY INFORMATION

#### UNITED STATES

#### SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

**311/312 HAZARD CATEGORIES:** Hazard Categories: Health: Immediate (Acute) Health Hazard

**FIRE:** No additional information available. **PRESSURE GENERATING:** No additional information available. **REACTIVITY:** No additional information available. **ACUTE:** Yes **CHRONIC:** No additional information available.

**313 REPORTABLE INGREDIENTS:** This product does not contain a chemical listed at or above de minimis concentrations.

#### CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

**CERCLA REGULATORY:** If spilled, this product is not subject to any reporting requirements.

#### TSCA (TOXIC SUBSTANCE CONTROL ACT)

**TSCA STATUS:** All ingredients in this mixture are in compliance with TSCA.

### 16. OTHER INFORMATION

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#### HMIS RATING

HEALTH	<input type="checkbox"/>	3
FLAMMABILITY	<input type="checkbox"/>	0
PHYSICAL HAZARD	<input type="checkbox"/>	1
PERSONAL PROTECTION	<input type="checkbox"/>	

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