



# SAFETY DATA SHEET

Issue Date 04-Mar-2011

Revision Date 28-May-2013

Version 1

## 1. PRODUCT AND COMPANY IDENTIFICATION

### Product Identifier

**Product Name** Smart Non-Fuming Pool Acid (00150)

### Other Means of Identification

**SDS #** SC-005

**Product Codes/Other Information:** UPC: 017926001509 GTIN: 00179260015090 Supplier GTIN: 00179264004142

**UN/ID No** UN2796  
**Synonyms** Hydrogen Sulfate

### Recommended Use of the Chemical and Restrictions on Use

**Recommended Use** Swimming pool, cleans tiles, stone, and other masonry surfaces. See label for approved uses and use instructions.

### Details of the Supplier of the Safety Data Sheet

**Supplier Address**  
Sunbelt Chemicals Corp.  
71 Hargrove Grade  
Palm Coast, FL 32137

### Emergency Telephone Number

**Company Phone Number** 1-386-446-4595  
**Emergency Telephone (24 hr)** Chemtrec 1-800-424-9300 (North America) 1-703-527-3887 (International)

## 2. HAZARDS IDENTIFICATION

### Classification

Acute toxicity - Oral	Category 4
Acute toxicity - Inhalation (Dusts/Mists)	Category 4
Skin Corrosion/Irritation	Category 1 Sub-category B
Serious Eye Damage/Eye Irritation	Category 1
Carcinogenicity	Category 1A
Specific target organ toxicity (repeated exposure)	Category 2

### Signal Word

**DANGER**

### Hazard Statements

Harmful if swallowed  
Harmful if inhaled  
Causes severe skin burns and eye damage  
May cause cancer  
May cause damage to organs through prolonged or repeated exposure



**Appearance** Clear to amber liquid

**Physical State** Liquid

**Odor** Odorless

**Precautionary Statements - Prevention**

Obtain special instructions before use  
 Do not handle until all safety precautions have been read and understood  
 Use personal protective equipment as required  
 Wash face, hands and any exposed skin thoroughly after handling  
 Do not eat, drink or smoke when using this product  
 Use only outdoors or in a well-ventilated area  
 Do not breathe dust/fume/gas/mist/vapors/spray  
 Wear eye/face protection

**Precautionary Statements - Response**

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  
 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
 Wash contaminated clothing before reuse  
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
 Rinse mouth  
 Do NOT induce vomiting

**Precautionary Statements - Storage**

Store locked up

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

**Synonyms** Hydrogen Sulfate.

Chemical Name	CAS No	Weight-%
Sulfuric acid	7664-93-9	32-38

**4. FIRST AID MEASURES**

**First Aid Measures**

**Eye Contact** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek immediate medical attention/advice.

**Skin Contact** Rinse skin with plenty of cool running water. Take off contaminated clothing. Wash contaminated clothing before reuse. Get medical attention.

**Inhalation** Remove to fresh air. If breathing is difficult, oxygen should be administered by qualified personnel. If respiration stops, give mouth-to-mouth resuscitation. Also, observe for delayed pulmonary reaction. Get medical attention.

**Ingestion** Rinse mouth. Do NOT induce vomiting. Drink plenty of water or milk immediately. Never give anything by mouth to an unconscious person. Immediate medical attention is required.

**Most Important Symptoms and Effects, both Acute and Delayed**

**Symptoms** Inhalation of fumes or acid mist can cause irritation or corrosive burns to the upper respiratory system, including nose, mouth and throat. May cause severe chemical burns with reddening and pain. May cause eye burns and permanent eye damage. Ingestion may cause severe burns to mouth, throat or stomach.

**Indication of any Immediate Medical Attention and Special Treatment Needed**

**Note to Physicians** Treat symptomatically. Respiratory tract ailments may be aggravated.

**5. FIRE-FIGHTING MEASURES**

**Suitable Extinguishing Media**

Non-combustible. Dry chemical. Carbon dioxide (CO2).

**Unsuitable Extinguishing Media** Water.

**Specific Hazards Arising from the Chemical**

Toxic fumes may be given off when material is exposed to fire. Closed containers may explode due to buildup of pressure when exposed to extreme heat. Some of these materials may react violently with water. Explosive hydrogen may be present above the liquid level in containers. Use water to keep fire-exposed structures and container cool.

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

**Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal Precautions, Protective Equipment and Emergency Procedures**

**Personal Precautions** Use personal protective equipment as required.

**Environmental Precautions** Avoid discharge to the aquatic environment. For spills in excess of allowable limits (RQ) notify the National Response Center (800) 424-8802; refer to SARA Title III, Section 313 40 CFR 372, and CERCLA 40 CFR 302 for detailed instructions concerning reporting requirements.

**Methods and Material for Containment and Cleaning Up**

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

**Methods for Cleaning Up** Neutralize with a lime or soda ash and flush area with large amounts of water. Collect run-off water and transfer to drums or tanks for later disposal.

**7. HANDLING AND STORAGE**

**Precautions for Safe Handling**

**Advice on Safe Handling**

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protection recommended in Section 8. Wash face, hands, and any exposed skin thoroughly after handling. Do not breathe dust/fume/gas/mist/vapors/spray. Do not eat, drink or smoke when using this product. Use only in well-ventilated areas. Protect container from physical damage. Always open containers slowly to allow any excess pressure to vent. Keep away from heat, sparks, pilot lights, welding operations, and open flames as toxic, corrosive, and explosive gases may be formed.

**Conditions for Safe Storage, Including any Incompatibilities**

**Storage Conditions**

Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Protect from sunlight. Keep away from heat. Store away from incompatible materials. Store in a corrosion-proof area. Keep out of the reach of children.

**Incompatible Materials**

Most common metals. Organic materials. Strong reducing agents. Combustible material. Strong carbonates. sulfides. Cyanides. Water. Strong oxidizing agents. Carbides. Chlorates. Fulminates. Nitrates. Picrates. Powdered metals.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Sulfuric acid 7664-93-9	TWA: 0.2 mg/m <sup>3</sup> thoracic fraction	TWA: 1 mg/m <sup>3</sup> (vacated) TWA: 1 mg/m <sup>3</sup>	IDLH: 15 mg/m <sup>3</sup> TWA: 1 mg/m <sup>3</sup>

**Appropriate Engineering Controls**

**Engineering Controls**

Apply technical measures to comply with the occupational exposure limits. Use local exhaust ventilation where mist or spray may be generated.

**Individual Protection Measures, such as Personal Protective Equipment**

**Eye/Face Protection**

Chemical goggles or full face shield.

**Skin and Body Protection**

Use impervious gloves. Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

**Respiratory Protection**

Use NIOSH/MSHA approved respirator following manufacturer's recommendation where mist, spray, or decomposition products may be generated.

**General Hygiene Considerations**

Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Information on Basic Physical and Chemical Properties**

**Physical State**  
**Appearance**  
**Color**

Liquid  
Clear to amber liquid  
Clear to amber

**Odor**  
**Odor Threshold**

Odorless  
Not determined

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	1	@ 10g/L
Melting Point/Freezing Point	-37 to -5 °C / -35 to +23 °F	
Boiling Point/Boiling Range	340 °C / 644 °F	(at 760 mm Hg)
Flash Point	Not applicable	
Evaporation Rate	Not determined	
Flammability (Solid, Gas)	n/a-liquid	
Upper Flammability Limits	Not applicable	
Lower Flammability Limit	Not applicable	
Vapor Pressure	<0.3 mm Hg	@20°C
Vapor Density	<3.4	(Air=1)
Relative Density (Specific Gravity)	1.29	
Water Solubility	Completely soluble	
Solubility in Other Solvents	Not determined	
Partition Coefficient	Not determined	
Autoignition Temperature	Not applicable	
Decomposition Temperature	Decomposes at a high temperature	
Kinematic Viscosity	Not determined	
Dynamic Viscosity	Not determined	
Explosive Properties	Not determined	
Oxidizing Properties	Not determined	
Density	10.76 lbs/gal	

**10. STABILITY AND REACTIVITY**

**Reactivity**

Not reactive under normal conditions.

**Chemical Stability**

Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**

Pool acid reacts violently with chlorine type bleaches or other household chemicals. May react with chemicals to produce toxic gases such as sulfur dioxide and hydrogen.

**Hazardous Polymerization**      Hazardous polymerization does not occur.

**Conditions to Avoid**

Avoid moisture. Avoid contact with heat.

**Incompatible Materials**

Most common metals. Organic materials. Strong reducing agents. Combustible material. Strong carbonates. sulfides. Cyanides. Water. Strong oxidizing agents. Carbides. Chlorates. Fulminates. Nitrates. Picrates. Powdered metals.

**Hazardous Decomposition Products**

Sulfur oxides. Hydrogen.

**11. TOXICOLOGICAL INFORMATION**

**Information on Likely Routes of Exposure**

**Product Information**

**Eye Contact**                                      Causes severe eye damage.

**Skin Contact**                                     Causes severe skin burns.

**Inhalation**                                        Harmful if inhaled.

**Ingestion**                                        Harmful if swallowed.

**Component Information**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Sulfuric acid 7664-93-9	= 2140 mg/kg ( Rat )	-	= 510 mg/m <sup>3</sup> ( Rat ) 2 h = 347 ppm ( Rat ) 1 h

**Information on Physical, Chemical and Toxicological Effects**

**Symptoms** Please see section 4 of this SDS for symptoms.

**Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure**

**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen. However, the product as a whole has not been tested. Note: The agencies below have listed Strong Inorganic Acid Mists, Containing Sulfuric Acid as a known carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Sulfuric acid 7664-93-9	A2	Group 1	Known	X

**Legend**

*ACGIH (American Conference of Governmental Industrial Hygienists)*

*A2 - Suspected Human Carcinogen*

*IARC (International Agency for Research on Cancer)*

*Group 1 - Carcinogenic to Humans*

*NTP (National Toxicology Program)*

*Known - Known Carcinogen*

*OSHA (Occupational Safety and Health Administration of the US Department of Labor)*

*X - Present*

**STOT - Repeated Exposure** May cause damage to organs through prolonged or repeated exposure.

**Numerical Measures of Toxicity**

Not determined

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Sulfuric acid 7664-93-9		500: 96 h Brachydanio rerio mg/L LC50 static		29: 24 h Daphnia magna mg/L EC50

**Persistence and Degradability**

Not determined

**Bioaccumulation**

Not determined

**Mobility**

Not determined

**Other Adverse Effects**

Not determined

**13. DISPOSAL CONSIDERATIONS**

**Waste Treatment Methods**

- Disposal of Wastes** Disposal should be in accordance with applicable regional, national and local laws and regulations.
- Contaminated Packaging** Disposal should be in accordance with applicable regional, national and local laws and regulations.

Chemical Name	California Hazardous Waste Status
Sulfuric acid 7664-93-9	Toxic Corrosive

**14. TRANSPORT INFORMATION**

**Note** Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

**DOT**

- UN/ID No** UN2796
- Proper Shipping Name** Sulfuric acid
- Hazard Class** 8
- Packing Group** II

**IATA**

- UN/ID No** UN2796
- Proper Shipping Name** Sulfuric acid
- Hazard Class** 8
- Packing Group** II

**IMDG**

- UN/ID No** UN2796
- Proper Shipping Name** Sulfuric acid
- Hazard Class** 8
- Packing Group** II

**TDG**

- UN/ID No** UN2796
- Proper Shipping Name** Sulfuric acid
- Hazard Class** 8
- Packing Group** II

**15. REGULATORY INFORMATION**

**International Inventories**

**TSCA** Listed

**Legend:**

- TSCA - United States Toxic Substances Control Act Section 8(b) Inventory*
- DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List*
- EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances*
- ENCS - Japan Existing and New Chemical Substances*
- IECS - China Inventory of Existing Chemical Substances*
- KECL - Korean Existing and Evaluated Chemical Substances*
- PICCS - Philippines Inventory of Chemicals and Chemical Substances*

**US Federal Regulations**

**CERCLA**

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Sulfuric acid 7664-93-9	1000 lb	1000 lb	RQ 1000 lb final RQ RQ 454 kg final RQ

**SARA 311/312 Hazard Categories**

Acute health hazard	Yes
Chronic Health Hazard	Yes
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	Yes

**SARA 313**

Chemical Name	CAS No	Weight-%	SARA 313 - Threshold Values %
Sulfuric acid - 7664-93-9	7664-93-9	32-38	1.0

**CWA (Clean Water Act)**

Component	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Sulfuric acid 7664-93-9 ( 32-38 )	1000 lb			X

**US State Regulations**

**California Proposition 65**

This product contains the following Proposition 65 chemicals.

Chemical Name	California Proposition 65
Sulfuric acid - 7664-93-9	Carcinogen

**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Sulfuric acid 7664-93-9	X	X	X



**16. OTHER INFORMATION**

<b><u>NFPA</u></b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Instability</b>	<b>Special Hazards</b>
	3	0	2	Acid
<b><u>HMIS</u></b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Physical Hazards</b>	<b>Personal Protection</b>
	3	0	2	Not determined

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**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Smart 0150 Non Fuming Pool Acid Revised 5/28/2013 (Supersedes 3/4/2011 revision) Prepared by: Sunbelt Chemicals Corp.

**End of Safety Data Sheet**