

Arrow Chemical Company  
2217 Border Avenue  
Torrance, CA. 90501  
(310) 320-6246  
24-Hour Emergency Telephone Number 800.255.3924 (CHEM-TEL)

**SAFETY DATA SHEET**  
**Scale Off Tile Cleaner**

**Section 1 – *Chemical Product & Company Identification***

Manufacturer's Name: Arrow Chemical Co.  
Address: 2217 Border Avenue Torrance, CA. 90501  
SDS/Product Name: Scale Off Tile Cleaner  
Trade Name (as labeled): Scale Off Tile Cleaner  
Chemical Name(s): Phosphoric Acid, Sulfonic acid (Alkylbenzenesulfonic acid)  
24- Hour Emergency Telephone Number: 800.255.3924 (CHEM-TEL)  
Business Telephone: 310.320.6246  
Date of Preparation: 5/7/2012

**Section 2 - *Hazard Identification***



Emergency Overview: **WARNING! Harmful or Fatal if swallowed! Keep away from children!**  
Appearance and Odor: Viscous red liquid, acrid odor  
Systems of Overexposure for each potential route of exposure:  
Inhaled: May cause irritation.  
Skin Contact: Corrosive! Prolonged contact may cause irritation and or defatting of the skin due to the removal of the skins natural oils.  
Eye Contact: Corrosive! Vapors are irritating and may cause damage to the eyes. Contact may cause severe burns and permanent eye damage.  
Ingestion: Harmful or fatal if swallowed  
Chronic Exposure: Long-term exposure to concentrated vapors may cause erosion of teeth and lung damage.

**Section 3 – *Composition and Information on Ingredients***

HAZARDOUS INGREDIENTS/CHEMICAL NAME	CAS #	PERCENT %
PHOSPHORIC ACID	7664-38-2	15
SULFONIC ACID (ALKYLBENZENESULFONIC ACID)	68584-22-5	15

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#### Section 4 – *First Aid Measures Emergency Procedures*

**Inhaled:** Remove victim from contaminated atmosphere. If breathing is labored, administer oxygen. Obtain **IMMEDIATE** medical attention.

**Skin Contact:** Immediately flush with large quantities of water for at least 15 minutes. Remove contaminated clothing under a safety shower. Obtain **IMMEDIATE** medical attention.

**Eye Contact:** Immediately flush with large quantities of water for at least 15 minutes. Be sure to hold the eyelids open while flushing. Obtain **IMMEDIATE** medical attention.

**Ingestion:** **DO NOT INDUCE VOMITING!** If victim is conscious, immediately give large quantities of water. If vomiting does occur, continue to give fluids. Obtain **IMMEDIATE** medical attention.

*Suspected Cancer Agent?* No

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** Persons with pre-existing skin disorders, eye disease, or cardiopulmonary diseases may be more susceptible to the effects of this substance.

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#### Section 5 – *Fire Fighting Measures*

**Fire extinguishing materials:** Use water or as appropriate for combustibles involved in fire.

**Special fire fighting procedures:** Wear self-contained breathing apparatus, positive pressure, MIOSH/NIOSH (approved or equivalent) and full protective gear.

**Unusual fire and explosion hazards:** Forms hydrochloric acid vapors when heated.

**Flash Point:** N/A

**Flammable limits in air, Volume %:** lower -N/D upper- N/D

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#### Section 6 – *Accidental Release Measures*

**Small releases:** Confine and absorb small releases on sand, earth or other inert absorbent. Place contaminated product and soil in a suitable container for disposal. *Do not use combustible materials such as saw dust!*

**Large releases:** Confine area to qualified personnel. Wear appropriate protective equipment. Shut off release if safe to do so. Dike or divert spill area to prevent run-off into sewers, drains or surface waterways (potential aquatic toxicity). Recover as much of the solution as possible. Treat remaining material as a small release (above).

**NOTE:** Dispose of all waste in accordance with Federal, state and local regulations.

Phosphoric acid RQ = 5000 lbs.

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#### Section 7 – *Handling and Storage*

**Handling:** Handle in enclosed containers to avoid breathing product. Avoid contact with skin and eyes. Keep container sealed when not in use. Keep away from children!

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#### Section 8 - *Exposure Controls /Personal Protection*

**Respiratory protection:** Wear self-contained breathing apparatus, positive pressure MSHA/NIOSH (approved or equivalent) should be used for large spills

**Eye protection (Type):** Chemical goggles and a full face shield for large spills.

**Skin protection:** Gloves, boots, and chemical suit should be worn to prevent liquid contact. Wash contaminated clothes prior to reuse.

**Work practices, Hygienic practices:** Use adequate exhaust ventilation to prevent inhalation of product vapors. Maintain eyewash/safety shower in areas where chemical is handled.

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Exposure Limits to Air:

	OSHA (PEL)	ACGIH (TLV)
Phosphoric Acid	3 mg/m <sup>3</sup>	1 mg/m <sup>3</sup>
Sulfonic Acid	None Established	None Established

**Section 9 - Physical and Chemical Properties**

Physical state: Liquid

Appearance: Red

Odor: Acrid

Vapor density (air=1): N/A

Vapor pressure, mmHg: N/A

Specific gravity: &gt; 1.0

pH: &lt; 2

% Volatile: N/D

Solubility in Water: 100%

Viscosity: N/A

Boiling point or range, F: N/A

Melting Point: - N/A

% Phosphorous: 4.5

**Section 10 - Stability and Reactivity**Stability       Stable       Unstable

Incompatibility (Materials to Avoid): Metals and caustics

Conditions to Avoid: Contact with metals

Hazardous decomposition products (including combustion products): Forms hydrochloric acid vapors when heated.

Hazardous polymerization:       May occur       Will not occur**Section 11 - Toxicological Information**

Harmful or fatal if swallowed! Irritant. Prolonged or repeated exposure to skin may cause dermatitis (an allergic skin reaction).

**Section 12 - Ecological Information**

Keep away from any natural waterways.

**Section 13 - Disposal Considerations**

Disposal: Dispose of all wastes in accordance with Federal, State and local regulations.

**Section 14 - Transport Information**

U.S. Department of Transportation (DOT)

Shipping Name: UN1760, Corrosive liquids, n.o.s., (Phosphoric acid, Sulfonic Acid), 8, PGIII

UN/NA: UN1760

Hazard Class: 8

Packing Group: III

**Section 15 – Regulatory Information**

CAS # 7664-38-2 is on the U.S. Toxic Substance Control Act (TSCA) inventory list.

CAS # 68584-22-5 is on the U.S. Toxic Substance Control Act (TSCA) inventory list.

The components are not listed on California's Prop 65 list of chemicals known to cause cancer or other reproductive harm.

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**Section 16 – Additional Information**

SDS Creation Date: May 7, 2012

The information contained in this Safety Data Sheet (SDS) is based on current regulatory information as well as our manufacturers' information. It is the user's responsibility to determine the suitability of this information for the adoption of necessary safety precautions. We reserve the right to revise safety data sheets periodically as new information becomes available.