

Version Number: 1

Preparation date: 2005-10-05

**1. PRODUCT AND COMPANY IDENTIFICATION**

<b>Product name:</b>	Chemtrol TILE BRITE
<b>MSDS #:</b>	MS0600108
<b>Product code:</b>	U23088
<b>Recommended use:</b>	Chemical Management Systems .
<b>Manufacturer, importer, supplier:</b>	Unisource Worldwide, Inc. 6600 Governors Lake Parkway Norcross, GA 30071 Phone: 770-447-9000 MSDS Internet Address: www.unisourcelink.com
<b>Emergency telephone number:</b>	1-888-660-6737

**2. HAZARDS IDENTIFICATION**
**EMERGENCY OVERVIEW**

- DANGER
- CORROSIVE
- CONCENTRATE
- CAUSES EYE AND SKIN BURNS
- HARMFUL OR FATAL IF SWALLOWED
- DO NOT MIX WITH AMMONIA, BLEACH OR OTHER CHLORINATED COMPOUNDS

<b>Principle routes of exposure:</b>	<ul style="list-style-type: none"> <li>• Eye contact</li> <li>• Skin contact</li> <li>• Inhalation</li> </ul>
<b>Eye contact:</b>	<ul style="list-style-type: none"> <li>• Corrosive</li> <li>• Causes permanent eye damage, including blindness</li> </ul>
<b>Skin contact:</b>	<ul style="list-style-type: none"> <li>• Corrosive</li> <li>• May cause permanent damage</li> </ul>
<b>Inhalation:</b>	<ul style="list-style-type: none"> <li>• May cause irritation and corrosive effects to nose, throat and respiratory tract</li> </ul>
<b>Ingestion:</b>	<ul style="list-style-type: none"> <li>• Corrosive</li> <li>• Causes burns to mouth, throat and stomach</li> </ul>

**3. COMPOSITION/INFORMATION ON INGREDIENTS**
**HAZARDOUS COMPONENTS**

Ingredient	CAS #	Weight %
Phosphoric acid	7664-38-2	10 - 30%

**HAZARDOUS COMPONENTS**

Ingredient	LD50 Oral	LD50 Dermal	LC50 Inhalation
Phosphoric acid	1.25 g/kg (rat)	2740 mg/kg (rabbit)	25.5 mg/m <sup>3</sup> (rat)

**4. FIRST AID MEASURES**

<b>Eye contact:</b>	<ul style="list-style-type: none"> <li>• Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open</li> <li>• Get medical attention immediately</li> </ul>
<b>Skin contact:</b>	<ul style="list-style-type: none"> <li>• Flush immediately with plenty of water for at least 15 minutes</li> <li>• Get medical attention immediately</li> </ul>
<b>Inhalation:</b>	<ul style="list-style-type: none"> <li>• If breathing is affected, remove to fresh air</li> <li>• Get medical attention immediately</li> </ul>

<b>Ingestion:</b>	<ul style="list-style-type: none"> <li>• Do not induce vomiting</li> <li>• Immediately drink one cupful of water or milk</li> <li>• Never give anything by mouth to an unconscious person</li> <li>• Get medical attention immediately</li> </ul>
<b>Aggravated Medical Conditions:</b>	<ul style="list-style-type: none"> <li>• Individuals with chronic respiratory disorders such as asthma, chronic bronchitis, emphysema, etc., may be more susceptible to irritating effects</li> </ul>

### 5. FIRE-FIGHTING MEASURES

<b>Suitable extinguishing media:</b>	<ul style="list-style-type: none"> <li>• Dry chemical, water spray, foam</li> </ul>
<b>Specific hazards:</b>	<ul style="list-style-type: none"> <li>• Not applicable</li> </ul>
<b>Unusual hazards:</b>	<ul style="list-style-type: none"> <li>• Corrosive material (See sections 8 and 10)</li> </ul>
<b>Specific methods:</b>	<ul style="list-style-type: none"> <li>• No special methods required</li> </ul>
<b>Special protective equipment for firefighters:</b>	
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear	
<b>Extinguishing media which must not be used for safety reasons:</b>	
No information available	

### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions:</b>	<ul style="list-style-type: none"> <li>• Use personal protective equipment</li> </ul>
<b>Environmental precautions and clean-up methods:</b>	<ul style="list-style-type: none"> <li>• Use appropriate containment to avoid environmental contamination</li> <li>• Sweep up and shovel into suitable containers for disposal</li> <li>• Keep in suitable and closed containers for disposal</li> <li>• Use a water rinse for final clean-up</li> </ul>

### 7. HANDLING AND STORAGE

<b>Handling:</b>	<ul style="list-style-type: none"> <li>• Avoid contact with skin, eyes and clothing</li> <li>• Do not taste or swallow</li> <li>• Avoid breathing vapors or mists</li> <li>• Use only with adequate ventilation</li> <li>• Remove and wash contaminated clothing and footwear before re-use</li> <li>• Wash thoroughly after handling</li> <li>• Product residue may remain on/in empty containers</li> <li>• All precautions for handling the product must be used in handling the empty container and residue</li> </ul>
FOR COMMERCIAL AND INDUSTRIAL USE ONLY	
<b>Storage:</b>	<ul style="list-style-type: none"> <li>• Keep tightly closed in a dry, cool and well-ventilated place</li> <li>• Protect from freezing</li> <li>• Store in a cool, dry, well ventilated area away from heat or open flame</li> <li>• Keep out of the reach of children</li> </ul>

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Engineering measures to reduce exposure:</b>	
<ul style="list-style-type: none"> <li>• Good general ventilation should be sufficient to control airborne levels</li> <li>• Respiratory protection is not required if good ventilation is maintained</li> </ul>	
<b>Personal Protective Equipment</b>	
<b>Eye protection:</b>	<ul style="list-style-type: none"> <li>• Chemical splash goggles</li> </ul>
<b>Hand protection:</b>	<ul style="list-style-type: none"> <li>• Chemical resistant gloves</li> <li>• neoprene gloves</li> </ul>
<b>Skin and body protection:</b>	<ul style="list-style-type: none"> <li>• Protective footwear</li> <li>• If major exposure is possible, wear suitable protective clothing and footwear</li> </ul>
<b>Respiratory protection:</b>	<ul style="list-style-type: none"> <li>• If aerosols, mists, or vapors are not adequately controlled by ventilation, use appropriate respiratory protection to avoid over-exposure</li> <li>• A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use</li> </ul>

<b>Hygiene measures:</b>	<ul style="list-style-type: none"> <li>Handle in accordance with good industrial hygiene and safety practice</li> </ul>
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**Personal protective equipment**

Ingredient	CAS #	ACGIH	OSHA	Mexico
Phosphoric acid	7664-38-2	3 mg/m <sup>3</sup> (STEL) 1 mg/m <sup>3</sup> (TWA)	1 mg/m <sup>3</sup>	3 mg/m <sup>3</sup> (STEL) 1 mg/m <sup>3</sup> (TWA)

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Physical State:</b>	Liquid	<b>Appearance:</b>	No information available
<b>Color:</b>	Pink	<b>Odor:</b>	Citrus
<b>Specific gravity:</b>	1.09	<b>pH:</b>	>1
<b>Dilution pH:</b>	No information available.	<b>Density:</b>	9.1 lbs/gal
<b>Bulk density:</b>	No information available	<b>Vapor density:</b>	No information available
<b>Evaporation rate:</b>	No information available	<b>Solubility:</b>	Soluble
<b>VOC:</b>	0.03 %	<b>Viscosity:</b>	No information available
<b>Solubility in other solvents:</b>	No information available		
<b>Partition coefficient (n-octanol/water):</b>	No information available		
<b>Boiling point/range:</b>	Not determined		
<b>Melting point/range:</b>	Not determined		
<b>Flash point:</b>	>200 (°F) >93.3 (°C)		
<b>Decomposition temperature:</b>	Not determined		
<b>Autoignition temperature:</b>	No information available		

**10. STABILITY AND REACTIVITY**

<b>Stability:</b>	<ul style="list-style-type: none"> <li>The product is stable</li> </ul>
<b>Polymerization:</b>	<ul style="list-style-type: none"> <li>Hazardous polymerisation does not occur.</li> </ul>
<b>Hazardous decomposition products:</b>	<ul style="list-style-type: none"> <li>None reasonably foreseeable.</li> </ul>
<b>Materials to avoid:</b>	<ul style="list-style-type: none"> <li>Ammonia</li> <li>Do not mix with chlorinated products</li> </ul>
<b>Conditions to avoid:</b>	<ul style="list-style-type: none"> <li>Do not freeze</li> </ul>

**11. TOXICOLOGICAL INFORMATION**

<b>Acute toxicity</b>	Corrosive. Oral LD50 estimated to be greater than 5000 mg/kg. Dermal LD50 estimated to be > 2000 mg/kg.
<b>Component Information:</b>	<ul style="list-style-type: none"> <li>See Section 3</li> </ul>
<b>Chronic toxicity:</b>	<ul style="list-style-type: none"> <li>None known</li> </ul>
<b>Specific effects</b>	
<b>Carcinogenic effects:</b>	<ul style="list-style-type: none"> <li>None known</li> </ul>
<b>Mutagenic effects:</b>	<ul style="list-style-type: none"> <li>None known</li> </ul>
<b>Reproductive toxicity:</b>	<ul style="list-style-type: none"> <li>None known</li> </ul>
<b>Target organ effects:</b>	<ul style="list-style-type: none"> <li>None known</li> </ul>

**12. ECOLOGICAL INFORMATION**

<b>Environmental Information:</b>	<ul style="list-style-type: none"> <li>When used for its intended purpose this product should not cause adverse effects in the environment</li> </ul>
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**13. DISPOSAL CONSIDERATIONS**

<b>Waste from residues / unused products:</b>	• Dispose of according to all federal, state and local applicable regulations
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**14. TRANSPORT INFORMATION**

<b>DOT/TDG:</b>	• Please refer to the Bill of Lading/receiving documents for up to date shipping information
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**15. REGULATORY INFORMATION****International Inventories**

All components of this product are listed on the following inventories: U.S.A. (TSCA).

**U.S. Regulations**

**California Proposition 65:** This product is not subject to the reporting requirements under California's Proposition 65

**SARA 311/312 Hazard Categories**

<b>Immediate:</b>	Y
<b>Delayed:</b>	N
<b>Fire:</b>	N
<b>Reactivity:</b>	N
<b>Sudden Release of Pressure:</b>	N

**Canada**

<b>Ingredient</b>	<b>CAS #</b>	<b>NPRI</b>
Alkylphenoxy polyethoxyethanol	26027-38-3	Listed

**WHMIS hazard class:** Not for sale in Canada.

**STATE RIGHT TO KNOW**

<b>Ingredient</b>	<b>CAS #</b>	<b>NJRTK:</b>	<b>MARTK:</b>	<b>PARTK:</b>	<b>RIRTK:</b>	<b>ILRTK:</b>	<b>CTRTK:</b>
Phosphoric acid	7664-38-2	Listed	Listed	Listed	Listed	Listed	Listed
Water	7732-18-5	-	-	-	-	-	-
Alkylphenoxy polyethoxyethanol	26027-38-3	-	-	-	-	-	-
Disodium n-lauryl beta-aminodipropionate	3655-00-3	-	-	-	-	-	-

**CERCLA / SARA**

<b>Ingredient</b>	<b>CAS #</b>	<b>Weight %</b>	<b>CERCLA/SARA RQ (lbs)</b>	<b>Section 302 TPQ (lbs)</b>	<b>Section 313</b>
Phosphoric acid	7664-38-2	10 - 30%	5000		

**16. OTHER INFORMATION**

<b>HMIS</b>	<b>Health</b>	3	<b>Fire Hazard</b>	0	<b>Reactivity</b>	0
<b>NFPA</b>	<b>Health:</b>	3	<b>Flammability:</b>	0	<b>Instability:</b>	0

**Reason for revision:** Not applicable

**Prepared by:** NAPRAC

**Additional advice:** None

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