

SMARTPOOL, INC.

MATERIAL SAFETY DATA SHEET

AQUAPILL 7

FILTER CLEANER & DEGREASER

MSDS: AP70106

Date: 5/12/2006

Supersedes: N/A

Smartpool, Inc.
687 Prospect St.
Lakewood, NJ 08701

Phone (888)560-7665

24 Hour Emergency Phone: (800)424-9300

SECTION 1 OSHA HAZARD CLASSIFICATIONS

Avoid breathing vapors or spray mists. Corrosive to the eyes, skin, and respiratory tract.

SECTION 2 HAZARDOUS COMPONENTS

<u>Chemical Name</u>	<u>CAS Number</u>	<u>% by Weight</u>	<u>TLV</u>
Ethanedioic Acid	144-62-7	>1	ACGIH (United States). TWA: 1 mg/m ₃ STEL: 2 mg/m ₃ OSHA (United States). TWA: 1 mg/m ₃

Smartpool, Inc. reports the component(s) listed above as known OSHA hazardous material(s) contained in this product.

SECTION 3 FIRST AID INFORMATION

Eye Exposure: Flush immediately with copious amounts of tap water or normal saline (minimum of 15 minutes). Take exposed individual to a health care professional, preferably an ophthalmologist, for further evaluation.

Skin Exposure: Wash exposed area with plenty of water. Repeat washing. Remove contaminated clothing and wash thoroughly before reuse. If irritation persists consult a health care professional.

Inhalation: If exposure by inhalation is suspected, immediately move exposed individual to fresh air. If individual experiences nausea, headache,

dizziness, has difficulty in breathing or is cyanotic, seek a health care professional immediately.

Ingestion: **DO NOT INDUCE VOMITING.** Rinse with copious amounts of water or milk, first. Irrigate the esophagus and dilute stomach contents by slowly giving one (1) to two (2) glasses of water or milk. Avoid giving alcohol or alcohol related products. In cases where the individual is semicomatose, comatose or convulsing, **DO NOT GIVE FLUIDS BY MOUTH.** In case of intentional ingestion of the product seek medical assistance immediately; take individual to nearest medical facility.

SECTION 4 **PRIMARY ROUTES OF EXPOSURE**

1. Effects from Acute Exposure:

Eye Exposure: **Very hazardous in case of eye contact (irritant, corrosive). Inflammation of the eye is characterized by redness, watering, and itching.**

Skin Exposure: **Hazardous in case of skin contact (corrosive, irritant). Skin contact may produce burns. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.**

Inhalation: **May be harmful if inhaled. Do not breathe spray mists of the undiluted product. Effects will depend upon solution strength and length of time of exposure.**

Ingestion: **Ingestion is not expected to be a primary route of exposure.**

2. Effects from Chronic Exposure:

The effects from chronic exposure to this product have not been fully evaluated.

SECTION 5 **Toxicological Information**

Acute Effects:

Not tested. Expected to be moderately toxic based on components.

Irritant / Sensitization Effects:

Very hazardous in case of eye contact (irritant, corrosive). Inflammation of the eye is characterized by redness, watering, and itching.

Hazardous in case of skin contact (corrosive, irritant). Skin contact may produce burns. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.

May be harmful if inhaled. Do not breathe spray mists of the undiluted product. Effects will depend upon solution strength and length of time of exposure.

Carcinogenic Potential:

Not tested by Smartpool, Inc. Not shown as a carcinogen by OSHA, IARC, or NTP.

Target Organs Effects:

Contains material which causes damage to the following organs: kidneys.
May cause damage to the following organs: upper respiratory tract, skin, eyes.

Other Health Effects:

None known.

SECTION 6

Environmental Toxicological Information

No information available.

SECTION 7

Physical and Chemical Properties

Appearance Clear liquid

Odor Citrus

Density 1.05 to 1.09 (20°C / 68°F)

Flash Point Closed cup: >100°C (212°F). (Pensky-Martens.)

Melting/Freezing Point Not available.

Boiling Point Not available.

Solubility Soluble in cold water. Soluble in hot water.

pH (Neat) <2.5 [Acidic.]

pH (100 ppm in water) Not available.

Vapor Pressure Not available.

o/w Partition Coefficient Not available.

Oxidizing/Reducing Properties ... Not available.

Viscosity Not available.

Additional pH Information The pH of a 1000 ppm aqueous solutions is 4 - 6.

NOTE: *The physical data presented above are typical values and should not be construed as specifications.*

SECTION 8

Fire and Explosion Information

Butyl rubber
ABS (Plastic)
Morton test liner (108 T 44LV)
6/6 Nylon
Polyurethane Liner
Dow Sillastic Tube
Polyvinyl Liner

NOTE: With respect to all other materials not listed above, user should be aware that use of such materials with this product may be hazardous and result in damages to such materials and other property and personal injuries. No data concerning such materials not listed above should be implied by the user.

SECTION 12

Spill, Leak, and Disposal Procedures

SPILL AND LEAK RESPONSE GUIDELINES:

Important: Before responding to a spill or leak of this product, review each section of this MSDS. Follow the recommendations given in the Handling Precautions sections. Check the Fire and Explosion Data section to determine if the use of non-sparking tools is merited. Insure that spilled or leaked product does not come into contact with materials listed as incompatible. If irritating fumes are present, consider evacuation of enclosed areas. **Emergency Response Assistance:** Emergency technical assistance is available at any time from CHEMTREC, by calling (800)433-9300. Initially minimize area affected by the spill or leak. Block any potential routes to water systems (e.g., sewers, streams, lakes, etc.). Based on the product's toxicological and chemical properties, and on the size and location of the spill or leak, assess the impact on contaminated environments (e.g. water systems, ground, air equipment, etc.). There are no methods available to completely eliminate any toxicity this product may have on aquatic environments. Minimize adverse effects on these environments. SMARTPOOL, Inc. can be contacted for technical assistance. Determine if federal, state, and/or local release notification is required (see Regulatory Classifications section of this MSDS). Recover as much of the pure product as possible into appropriate containers. Later, determine if this recovered product can be used for its intended purpose. Address clean-up of contaminated environments. Spill or leak residuals may have to be collected and disposed of. Clay, soil, or commercially available absorbents may be used to recover any material that can not readily be recovered as pure product. Flushing residual material to an industrial sewer, if present at the site of a spill or leak incident, may be acceptable if authorized approval is obtained. If product and/or spill/leak residuals are flushed to an industrial sewer, insure that they do not come into contact with incompatible materials. Contact the person(s) responsible for the operation of your facility's industrial sewer system prior to intentionally flushing or pumping spills or leaks of this product to the industrial sewer.

DISPOSAL GUIDELINES

Note: Follow federal, state, and local regulations governing the disposal of waste materials.

Neat Product: contact CHEMTREC, at (800)433-9300.

Contaminated Materials: Determine if waste containing this product can be handled by available industrial effluent system or other on-site waste management unit. If off-site management is required, contact a company experienced in industrial waste management. This product is not specifically listed in 40 CFR 261 as a Resource Conservation and Recovery Act (RCRA) hazardous waste. However, spill or leak residuals may meet the criteria of a characteristic hazardous waste under this Act. Check the characteristics of the material to be disposed of and/or the physical and reactivity data given in this MSDS for the neat product.

No components of this product are listed.

CWA (Clean Water Act) Listed Substances

No components of this product are listed.

FDA (Food and Drug Administration)

This product is approved under the following FDA (21 CFR) sections : 176.170 and 176.180.

TSCA (Toxic Substances Control Act) Applicability

All components are listed on the TSCA Inventory.

FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act)

This product is not a registered pesticide.

HMIS/NPCA Rating ... Health **3** Flammability **1** Reactivity **1**

NFPA Ratings Health **3** Flammability **1** Reactivity **1**

State Regulations

Various State Right To Know Acts ...

Non-proprietary hazardous chemicals are listed in Section 2 of this MSDS. Should you require further information on specific proprietary or inert ingredients please contact SMARTPOOL INC.

The information on this Material Safety Data Sheet reflects the latest information and data that we have on hazards, properties, and handling of this product under the recommended conditions of use. Any use of this product or method of application which is not described in the Data Sheet is the responsibility of the user. This Material Data Safety Sheet was prepared to comply with the OSHA Hazard Communication regulations. While some components are claimed Trade Secret under OSHA Hazard Communication regulations, all known OSHA hazards associated with the Trade Secret component(s), if contained in this product, are fully disclosed. SMARTPOOL, Inc. warrants that this product conforms to its chemical description and is reasonably fit for the purpose referred to in the directions for use when used in accordance with the directions under normal conditions. Buyer assumes the risk of any use contrary to such directions.

Seller makes no other warranty or representation of any kind, express or implied, concerning the product, including NO IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS OF THE GOODS FOR ANY OTHER PARTICULAR PURPOSE. No such warranties shall be implied by law and no agent of seller is authorized to alter this warranty in any way except in writing with a specific reference to this warranty.

The exclusive remedy against seller shall be in a claim for damages not to exceed the purchase price of the product, without regard to whether such a claim is based upon breach of warranty or tort.

Any controversy or claim arising out or relating to this contract, or breach thereof, shall be settle by arbitration in accordance with the commercial arbitration rules of the American Arbitration Association, and judgement upon the rendered by the Arbitrator(s) may be entered in any court having jurisdiction thereof.