

**MATERIAL SAFETY DATA SHEET**

MSDS

**Sun Filter and Cartridge Cleaner**

**Date-Issued:** 12/10/2003  
**MSDS Ref. No:** ASUN23820  
**Date-Revised:** 12/10/2003  
**Revision No:** New MSDS

**1. PRODUCT AND COMPANY IDENTIFICATION****PRODUCT NAME:** Sun Filter and Cartridge Cleaner**GENERAL USE:** Filter cleaner**MANUFACTURER**

Asepsis, Inc.

Sun

P.O. Box 1788

Suwanee, GA 30024-0973

**Customer SERVICE:** (800)959-7946**24 HR. EMERGENCY TELEPHONE NUMBERS****Poison Control Center (Medical) :** (877) 800 - 5553**CHEMTREC (US Transportation) :** (800) 424 - 9300**2. COMPOSITION / INFORMATION ON INGREDIENTS****The specific identity of the component(s) of this product is withheld as a trade secret.**

<u>Chemical Name</u>	<u>CAS#</u>	<u>Wt.%</u>
Organic Acid Salt Mixture		10 - 40
Detergent		<10
Water	7732-18-5	65 - 75

**COMMENTS:** Our company is withholding the specific chemical identities under provision of the OSHA Hazard Communication Trade Secrets Rule (1910.1200(1)). The specific chemical identities will be made available to health professionals in accordance with 29 CFR 1910.1200 (1) (2) (3) (4). This Material Safety Data Sheet provides information for employee training and hazard identification.

**3. HAZARDS IDENTIFICATION****EMERGENCY OVERVIEW****PHYSICAL APPEARANCE:** Clear, colorless to light yellow liquid.

**IMMEDIATE CONCERNS: WARNING::** May cause severe eye irritation. May be harmful if swallowed. May cause respiratory tract irritation. Do not get in eyes, on skin or on clothing. **Wear safety glasses when handling this product.** Wash hands thoroughly after handling. Avoid breathing vapors. If product gets on clothing, remove and wash before reuse.

**POTENTIAL HEALTH EFFECTS****EYES:** Based on its components, it is anticipated that this material will produce eye irritation. Avoid contact with eyes.**SKIN:** Based on its main components, this material may produce skin irritation. Avoid contact with skin.**INGESTION:** May be harmful if swallowed.**INHALATION:** Based on its components, this product is expected to be irritating to the nose and throat. Avoid breathing vapors**CHRONIC:** There are no known chronic hazards.**ROUTES OF ENTRY:** Skin Contact, Inhalation, Ingestion, Eye Contact.**4. FIRST AID MEASURES****EYES:** If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after 5 minutes,

then continue rinsing eye. Call a poison control center or doctor for treatment advice.

**SKIN:** If on skin: Flush with plenty of water. Call a poison control center or doctor if irritation develops.

**INGESTION:** If swallowed: Call poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

**INHALATION:** If inhaled: Move to fresh air. Get medical attention if breathing is difficult.

**NOTES TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage.

**5. FIRE FIGHTING MEASURES**

**FLASHPOINT AND METHOD:** Not Established

**GENERAL HAZARD:** There are no unusual fire and explosion hazards known.

**EXTINGUISHING MEDIA:** Dry chemical, water, foam or carbon dioxide. Water should be used to cool surrounding containers.

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

**HAZARDOUS DECOMPOSITION PRODUCTS:** Thermal decomposition may produce oxides of phosphorous, carbon and nitrogen.

**6. ACCIDENTAL RELEASE MEASURES**

**GENERAL PROCEDURES: STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Utilizing appropriate clothing and safety equipment, contain spill material. Cover the liquid with an inert absorbent. Using clean, dedicated equipment, sweep and scoop all spilled material, contaminated soil, and other contaminated material and place into clean dry plastic containers for disposal. Dispose of according to local, state and federal regulations.

**7. HANDLING AND STORAGE**

**GENERAL PROCEDURES:** Avoid contact with eyes, skin or clothing.

**HANDLING:** Mix only with water. Do not mix with other chemicals.

**STORAGE:** Keep this product in original closed container when not in use. Store in a cool, dry, well ventilated area. Do not reuse container, but place in trash collection.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**EXPOSURE GUIDELINES:**

**OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)**

	<u>EXPOSURE LIMITS</u>					
	<u>OSHA PEL</u>		<u>ACGIH TLV</u>		<u>SUPPLIER OEL</u>	
	<u>ppm</u>	<u>mg/m<sup>3</sup></u>	<u>ppm</u>	<u>mg/m<sup>3</sup></u>	<u>ppm</u>	<u>mg/m<sup>3</sup></u>
Organic Acid Salt Mixture						[1]
Detergent						[2]

**OSHA TABLE COMMENTS:**

- 1. N/E = Not Established
- 2. N/A = Not Established

**The specific identity of the component(s) of this product is withheld as a trade secret.**

**ENGINEERING CONTROLS:** General room ventilation plus local exhaust should be used to maintain exposure below TLV.

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**PERSONAL PROTECTIVE EQUIPMENT:**

**EYES AND FACE:** Wear safety glasses with side shields when handling this product.

**SKIN:** Gloves are recommended for prolonged contact or for persons with sensitive skin.

**RESPIRATORY:** If used in a confined area, respirator protection may be necessary.

**PROTECTIVE CLOTHING:** Remove and wash contaminated clothing before reuse.

**WORK HYGIENIC PRACTICES:** In accordance with good industrial hygiene practices, wash hands thoroughly with soap and water after handling this product.

**OTHER USE PRECAUTIONS:** Facilities storing or utilizing this material should be equipped with an eyewash and safety shower.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Liquid

**ODOR:** Mild

**APPEARANCE:** Clear

**COLOR:** Colorless to light yellow

**pH:** 1.0

**VAPOR PRESSURE:** Not Established

**VAPOR DENSITY:** Not Established

**BOILING POINT:** Not Established

**FREEZING POINT:** Not Established

**SOLUBILITY IN WATER:** Not Established

**SPECIFIC GRAVITY:** 1.05 (water=1)

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## 10. STABILITY AND REACTIVITY

**CONDITIONS TO AVOID:** High temperature. Poor ventilation. Contamination.

**STABILITY:** This product is stable under normal conditions.

**POLYMERIZATION:** Hazardous polymerization will not occur under normal conditions.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Thermal decomposition may produce oxides of phosphorous, carbon and nitrogen.

**INCOMPATIBLE MATERIALS:** Other swimming pool/spa chemicals in their concentrated forms. Oxidizing compounds.

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## 11. TOXICOLOGICAL INFORMATION

**EYE EFFECTS:** Based on its components, this product is expected to be an eye irritant.

**SKIN EFFECTS:** Based on the components, this product may be irritating to the skin.

**CARCINOGENICITY:**

The components of this product are not listed as a carcinogen by IARC.

The components of this product are not listed as a carcinogen by NTP.

The components of this product are not listed as a carcinogen by OSHA.

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## 12. ECOLOGICAL INFORMATION

**ECOTOXICOLOGICAL INFORMATION:** No data available on product.

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## 13. DISPOSAL CONSIDERATIONS

**PRODUCT DISPOSAL:** Disposal of unused, uncontaminated product is regulated according to local, state, and federal regulations.

**EMPTY CONTAINER:** Do not reuse empty container. Discard in trash.

**14. TRANSPORT INFORMATION**

**DOT (DEPARTMENT OF TRANSPORTATION)**

**PROPER SHIPPING NAME:** Consumer Commodity ORM-D, Compounds, swimming pool cleaning or water treating.

**15. REGULATORY INFORMATION**

**UNITED STATES**

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

**311/312 HAZARD CATEGORIES:**

**FIRE:** YES **PRESSURE GENERATING:** NO **REACTIVITY:** NO **ACUTE:** YES **CHRONIC:** NO

**TSCA (TOXIC SUBSTANCE CONTROL ACT)**

**TSCA REGULATORY:** TSCA (Toxic Substances Control Act): This product or its components are listed on the TSCA Inventory. This product or its components are not subject to export notification.

**OSHA HAZARD COMM. RULE:** Product is hazardous by definition of the Hazardous Communication Standard.

**CLEAN WATER ACT:** A component of this product is listed as a Clean Water Act Section 311 Hazardous Substance.

**FIFRA (FEDERAL INSECTICIDE, FUNGICIDE, AND RODENTICIDE ACT):** This product is not a registered pesticide.

**16. OTHER INFORMATION**

**PREPARED BY:** Regulatory Affairs Department

**REVISION SUMMARY** New MSDS

**HMIS RATING**

<b>HEALTH:</b>		2
<b>FLAMMABILITY:</b>		0
<b>PHYSICAL HAZARD:</b>		0
<b>PERSONAL PROTECTION:</b>		B

**NFPA RATING**

<b>HEALTH:</b>	2
<b>FIRE:</b>	0
<b>REACTIVITY:</b>	0

Key

- 4 = Severe
- 3 = Serious
- 2 = Moderate
- 1 = Slight
- 0 = Minimal

**MANUFACTURER DISCLAIMER: IMPORTANT:** This information is given without a warranty or guarantee. No suggestions for use are intended or shall be construed as a recommendation to infringe any existing patents or violate any Federal, State or local laws. Safe handling and use is the responsibility of the customer. Read the label before using this product. This information is true and accurate to the best of our knowledge.