Material Safety Data Sheet
Aseptic Plus

Updated September 24, 2015

Section 1: Product and Company Identification

Product Name	Aseptic Plus	Aqueous Oxidant
Manufacturer/Distributor	Aseptic Health, LLC 105 Haywood Lane Nashville, TN 37013	
Phone Numbers	(615) 468-7668	
Product Information	(615) 468-7668	
Medical Emergency	(800) 222-1222	

H	0	
F	0	
R	0	
PE	--	

Section 2: Composition/ Information on Ingredients

Ingredients	CAS Number	Wt %
Oxychlorine Compounds	Mixture	0.200
n-Alkyl Dimethyl Benzyl Ammonium Chloride	68391-01-5	0.125
n-Alkyl Dimethyl Ethylbenzyl Ammonium Chloride	85409-23-0	0.125
Inert Ingredients	Mixture	99.55

At these concentrations none of the ingredients are known to pose any hazards to human health.

Section 3: Hazards Identification

Emergency Overview

Colorless liquid with mild fresh odor. Avoid contact with eyes. Keep out of reach of children.

HMIS Rating: **Health:** 0 **Flammability:** 0 **Reactivity:** 0 **PPE:** None

Potential Health Effects

Eye Contact: Eye contact may cause mild eye irritation with discomfort.

Skin Contact: Does NOT cause skin irritation and the product is NOT skin sensitizer.

Inhalation: Does NOT cause any respiratory irritation. If consumer product accidentally contacts strong acids in restricted ventilation area, avoid breathing the vapors and allow adequate time for the vapors to disperse before re-entering the restricted area.

Ingestion: Non-Toxic

Carcinogenicity Information None of the components present in this material at concentrations equal to or greater than 0.1% are

listed by IARC, NTP, OSHA, and ACGIH as carcinogens.

Section 4: First Aid Measures

Inhalation
Does NOT cause any respiratory irritation. If consumer product accidentally contacts strong acids in restricted ventilation area, avoid breathing the vapors, and allow adequate time for the vapors to disperse before re-entering the restricted area.

Skin Contact
Does NOT cause skin irritation.

Eye Contact
In case of contact, flush eyes with plenty of water.

Ingestion
Non-toxic. Give a glass of water.

Section 5: Fire Fighting Measures

Flammable Properties: Flash Point: Not Available (Non Flammable)

Flammable Limits: Lower Flammable Limit: Not Established

Burn Rate: Unknown

Upper Flammable Limit: Not Established

Flammability Classification: Non-Flammable liquid **Autoignition Temperature:** Not Established

Hazardous Combustion Products: Thermal or other decomposition may yield chlorine dioxide or chlorine.

Extinguishing Media: N/A (Non-Flammable liquid) **Additional Considerations:** None

FIRE FIGHTING INSTRUCTIONS: Non-Flammable liquid

NFPA Rating: **Health:** 0 **Flammability:** 0 **Reactivity:** 0 **PPE:** NONE

Section 6: Accidental Release Measures

Spill Clean Up
No special cleanup measures are required for the consumer product. To avoid the possibility of “bleaching” the spill should be absorbed with paper towels, and the area rinsed with clean water.

Accidental Release Measures
Spills are slippery and should be cleaned up promptly.

Section 7: Handling and Storage

Handling: Keep away from heat and strong acids. Do not ingest. Keep container closed. Use only with adequate ventilation.
Storage: Keep container tightly closed and sealed until ready for use. Keep container in a well-ventilated place. Do not store above 120$_0$F or near fire of open flame. Store large quantities in buildings to comply with OSHA 1910.106. Do not transfer contents to bottles or other unlabeled containers. Do not reuse empty containers. Keep out of reach of children.

Incompatible materials: Strong acids

Special Packaging Materials: None

Section 8: Exposure Control/ Personal Protection

Engineering Controls: Use in adequately ventilated areas.

Personal Protective Equipment:

Eye/Face Protection: Not required for consumer product.

Skin Protection: Not required for consumer product.

Respirators: None required for normal use. If consumer product accidentally contacts strong acids in restricted ventilation area, avoid breathing the vapors, and allow adequate time for the vapors to disperse before re-entering the restricted area.

Exposure Limits:

Oxychlorine Compounds: n-Alkyl Dimethyl Ethylbenzyl Ammonium Chloride:

PEL (OSHA):	Not available	PEL (OSHA):	Not available
TLV (ACGIH):	Not available	TLV (ACGIH):	Not available

n-Alkyl Dimethyl Benzyl Ammonium Chloride:

PEL (OSHA):	Not available
TLV (ACGIH):	Not available

Section 9: Physical and Chemical Properties

Appearance:	Colorless liquid	**Odor:**	Mild-Fresh
Physical State:	Liquid	**pH:**	8 - 9
Boiling Point (°F):	212	**Solubility in Water:**	100%
Freezing Point (°F):	32	**Vapor Pressure (mm Hg):**	Not Available
Volatile Organic Compounds (VOC):	None	**Evaporation Rate:**	Less than Ether
Specific Gravity:	1.003 @ 68°F (20°C)	**Density (lb/gal):**	8.40 @ 68°F (20°C)

Section 10: Stability and Reactivity

Chemical Stability: The product is stable.

Incompatibility with other Materials: Strong acids

Conditions to avoid: Contact with strong acids

Hazardous Polymerization: Will not occur.

Hazardous Decomposition Products: Thermal or other decomposition may yield chlorine dioxide or chlorine.

Section 11: Toxicological Information

TOXICITY TESTING – ACUTE **Inhalation** – Studies with Wistar Albino rats exposed to a respirable aerosol made from a solution of Aseptic Plus at a level of 2.08 mg/l for four hours resulted in no deaths and no abnormal necropsy observations. **Eye Contact** – Studies with New Zealand white rabbits showed this product is a very mild ocular irritant; mild conjunctival irritation was observed, but cleared within 24 hours. **Skin Contact** – Study of dermal toxicity in New Zealand white rabbits showed the product to be non- toxic: Dermal LD_{50}> 5,000 mg/kg of body weight; Study of dermal irritation in New Zealand white rabbits showed the product is not a dermal irritant. In Dermal Sensitization studies, Aseptic Plus was determined not to be a sensitizer. **Swallowing** - Acute oral toxicity in albino rats: Non-toxic LD_{50}>5,000 mg/kg of body weight.

EPA TOXICITY RATING – IV This is the lowest category on the scale and is designed for substances that are the least hazardous.

Section 12: Ecological Information

Environmental Hazards: Not data available.

Environmental Fate: Not data available.

Section 13: Disposal Considerations

Waste Disposal: Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State/Provincial and Local regulations.

Section 14: Transport Information

Shipping Information: Not regulated by DOT, IMO/IMDG and IATA/ICAO for ground, air or ocean shipments.

Section 15: Regulatory Information

U.S. Federal Regulations:

TSCA: All components appear in TSCA Inventory

OSHA: Refer to Section 8 for exposure limits.

CERCLA SARA Hazard Category:

Section 311 and 312: This product has been reviewed according to the EPA "Hazard Categories" promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories: Information not available.

Section 313: This product contains following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372: None

State regulations:

State Right to Know information is not provided.

California prop. 65 (no significant risk level): None

International Regulations:

Canadian WHMIS: Not controlled

Canadian Environmental Protection Act (CEPA): Additional information available upon request.

EU Regulations: Additional information available upon request.

Section 16: Other Information

The information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of Aseptic Plus, LLC. The Data on this sheet related only to the specific material designed herein. Aseptic Plus, LLC assumes no legal responsibility for the use or reliance on this data.

End of MSDS