

MATERIAL SAFETY DATA SHEET

Date Issued: 05/28/2008
 MSDS No: Blue Wave Filter Clean
 Date Revised: 08/20/2008
 Revision No: 2

Blue Wave Filter Clean

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Blue Wave Filter Clean
GENERAL USE: Filter Cleaner

DISTRIBUTOR

Blue Wave Products
 1745 Wallace Ave # B
 St Charles IL 60174
Product Stewardship: (800) 579-0977

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

IMMEDIATE CONCERNS: Avoid breathing vapor or spray mists. Corrosive to eyes, skin and respiratory tract.

POTENTIAL HEALTH EFFECTS

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

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

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

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

SIGNS AND SYMPTOMS OF OVEREXPOSURE

CARCINOGENICITY: Not listed by NTP, IARC or OSHA.

TARGET ORGAN STATEMENT: May cause damage to kidneys, upper respiratory tract, skin, eyes.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS	EINECS
Ethanedioic acid	> 1	000144-62-7	--

4. FIRST AID MEASURES

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EYES: Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention, preferably with an ophthalmologist.

SKIN: Immediately wash skin with plenty of water for at least 15 minutes. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse.

INGESTION: DO NOT INDUCE VOMITING. Rinse mouth with plenty of water or milk. Slowly give 1 to 2 glasses of water or milk. Never give anything by mouth to an unconscious person. Get immediate medical attention.

INHALATION: Immediately move person to fresh air. If individual experiences nausea, headache, dizziness, has difficulty in breathing or is cyanotic, seek immediate medical treatment.

5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: > 100°C (212°F) Pensky-Martens CC

FLAMMABLE LIMITS: 0 to 0

EXTINGUISHING MEDIA: Water fog, carbon dioxide, foam, dry chemical.

FIRE FIGHTING EQUIPMENT: Firefighters should wear self-contained breathing apparatus (SCBA) and full protective gear.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon oxides (CO, CO₂).

6. ACCIDENTAL RELEASE MEASURES

GENERAL PROCEDURES: Initially minimize area affected by spill or leak. Block any potential routes to water systems. There are no methods available to completely eliminate any toxicity this product may have on aquatic environments.

Recover as much of the pure product as possible into appropriate container. Determine if this recovered product can be used for intended purpose.

Spill or leak residuals may be collected and disposed of. Use clay, soil, or commercially available absorbents to absorb any material that cannot be recovered.

7. HANDLING AND STORAGE

HANDLING: Avoid breathing (dust, vapor, mist, gas).

STORAGE: Store away from incompatible materials.

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Local exhaust.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Wear chemical safety glasses or goggles.

SKIN: Rubber gloves.

RESPIRATORY: When misting may occur, a NIOSH/MSHA approved respirator approved for the material and level of exposure may be used.

PROTECTIVE CLOTHING: Body protective clothing and shoes.

WORK HYGIENIC PRACTICES: Provide safety shower and eyewash station in the work area.

OTHER USE PRECAUTIONS: If splashing can occur, a face shield is advisable.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Citric.

COLOR: Clear.

pH: < 2.0

VAPOR PRESSURE: Not Available

VAPOR DENSITY: Not Available

BOILING POINT: Not Available

FREEZING POINT: Not Available

MELTING POINT: Not Available

FLASHPOINT AND METHOD: > 100°C (212°F) Pensky-Martens CC

SOLUBILITY IN WATER: Soluble

DENSITY: 1.05 to 1.09 (20 deg C/68 deg F)

SPECIFIC GRAVITY: 1.015

10. STABILITY AND REACTIVITY

STABILITY: Stable under normal conditions.

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HAZARDOUS DECOMPOSITION PRODUCTS: Carbon oxides (CO, CO₂).

INCOMPATIBLE MATERIALS: Strong acids, strong bases, strong oxidizers, and reducing agents. Reactive metals: iron, zinc, or aluminum and metallic nitrates.

11. TOXICOLOGICAL INFORMATION

EYE EFFECTS: Eye irritant/corrosive.

SKIN EFFECTS: Skin irritant/corrosive. Skin contact may produce burns.

TARGET ORGANS: Contains material which causes damage to kidneys. May cause damage to upper respiratory tract, skin, eyes.

12. ECOLOGICAL INFORMATION

COMMENTS: None available.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose of in accordance with applicable local, state, and federal regulations.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Corrosive Liquid, Acidic, Organic, N.O.S., (Ethanedioic Acid)

PRIMARY HAZARD CLASS/DIVISION: 8

UN/NA NUMBER: UN 3265

PACKING GROUP: III

NAERG: 153

OTHER SHIPPING INFORMATION: DOT exception 173.154 - this product qualifies as a Consumer Commodity (ORM-D) when inner packaging does not exceed 0.3 gallons.

15. REGULATORY INFORMATION

UNITED STATES

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SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES: Hazard Categories: Health: Immediate (Acute) Health Hazard

313 REPORTABLE INGREDIENTS: No ingredients listed at or above the de minimus level.

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA REGULATORY: No components of this product are present above the de minimus levels.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Ethanedioic acid	000144-62-7

GENERAL COMMENTS: Massachusetts Hazardous Substance
 Minnesota Hazardous Substance
 Pennsylvania Hazardous Substance
 Washington PELs for Air Contaminants

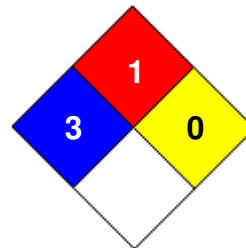
16. OTHER INFORMATION

REVISION SUMMARY: Revision #: 2 This MSDS replaces the June 13, 2008 MSDS. Any changes in information are as follows:

HMIS RATING

HEALTH:	3
FLAMMABILITY:	1
PHYSICAL HAZARD:	0
PERSONAL PROTECTION:	

NFPA CODES



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