

## Safety Data Sheet

**REVISION DATE:** 06/22/2017

### SECTION 1 - PRODUCT & COMPANY IDENTIFICATION

**PRODUCT NAME:** Mainstream Marine Bilge Tablets  
**USE:** Cleans and Disinfects Bilges  
**DESCRIPTION:** Tablets Containing a Time-Release  
 Ingredient for the Treatment Bilges,  
 Bilge Pumps and Bilge Water

**MANUFACTURER:** Mainstream Engineering Corporation  
 200 Yellow Place  
 Rockledge, Florida 32955

**INFORMATION TELEPHONE:** 321-631-3550

**EMERGENCY TELEPHONE:** 800-424-9300

### SECTION 2 - HAZARDS IDENTIFICATION

#### **GHs CLASSIFICATION IN ACCORDANCE WITH 29 CFR 1910**

##### **(OSHA HCS):**

Eye damage (Category 1)  
 Skin irritation (Category 3)  
 Acute toxicity – oral (Category 5)

#### **HAZARD STATEMENT(S):**

H303 May be harmful if swallowed.  
 H316 Causes mild skin irritation.  
 H318 Causes serious eye damage.

#### **PICTOGRAM(S):**



**SIGNAL WORD:** Danger

#### **PRECAUTIONARY STATEMENT(S):**

P102 Keep out of reach of children.  
 P103 Read label before use.  
 P264 Wash hands thoroughly after handling.  
 P280 Wear protective gloves and eye protection.  
 P305+351+338  
 IF IN EYES: Rinse cautiously with water for several  
 minutes. Remove contact lenses if present and  
 easy to do. Continue rinsing.  
 P310 Immediately call a doctor if eye irritation persists.  
 P312 Call a doctor if you feel unwell.  
 P332 If skin irritation occurs: Seek medical attention.

**HAZARDS NOT OTHERWISE CLASSIFIED:** None.

### SECTION 3 - PRODUCT COMPOSITION INFORMATION

<b>COMPONENT</b>	<b>CAS #</b>	<b>AMOUNT</b>
Quaternary Compound	Proprietary	Proprietary
Inert Ingredients	N/A	<50%

TRADE SECRET - Specific chemical identities are withheld  
 as a trade secret under the provisions of OSHA hazard  
 communication standard 29 CFR 1910.1200.

### SECTION 4 - EMERGENCY & FIRST-AID PROCEDURES

**EYE:** Immediately flush eyes with water; remove contact  
 lenses, if present, after the first 5 minutes, then continue  
 flushing eyes for at least 15 minutes, occasionally lifting  
 the upper and lower lids. Get medical aid immediately,  
 preferably from an ophthalmologist.

**SKIN:** Wash area with soap and water. Seek medical  
 attention in the event of a skin reaction of if irritation  
 persists.

**INGESTION:** Good personal hygiene procedures would  
 prevent ingestion from being a potential route of  
 exposure. If product gets into the mouth, rinse  
 thoroughly with water and avoid swallowing any of the  
 rinse. Do not induce vomiting. Seek medical attention if  
 a significant amount of the product is ingested.

**INHALATION:** Inhalation is not an expected point of entry.  
 In the event of inhalation of this product, however,  
 remove victim to uncontaminated area. Apply artificial  
 respiration if victim has stopped breathing. Seek medical  
 attention immediately.

### SECTION 5 - FIRE-FIGHTING MEASURES

**EXTINGUISHING MEDIA:** Use what is appropriate for  
 controlling the surrounding fire, preferably water, dry  
 chemical, carbon dioxide, or foam.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon  
 dioxide, carbon monoxide.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** None.

**SPECIAL FIRE FIGHTING PROCEDURES:** None.

### SECTION 6 - ACCIDENTAL RELEASE MEASURES

**PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND  
 EMERGENCY PROCEDURES:** Use personal protective  
 equipment as outlined for normal handling of this  
 material. Minimize exposure to contents.



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**ENVIRONMENTAL PRECAUTIONS:** Material is biodegradable. Small amounts of this material are not expected to pose a significant environmental hazard and can be rinsed away with water.

For larger amounts of waste or unused product, please keep product from entering sewers or causing soil contamination. Isolate area, sweep up and containerize as much as possible. Dispose of in accordance with local and federal regulations.

**MATERIALS FOR CONTAINMENT AND CLEAN-UP:** Sweep up spilled material in a manner minimizing dust formation and containerize as much as possible.

### SECTION 7 – HANDLING AND STORAGE

**PRECAUTIONS FOR SAFE HANDLING:**

- Use good personal hygiene practices in accordance with this material.
- Use product only as directed.
- Please wear appropriate personal protective equipment for handling of this product as outlined in Section 8.

**STORAGE:**

- Keep container tightly closed.
- Store in accordance with good industrial practices.
- Store in a cool, dry place.

**SPECIAL HANDLING CONSIDERATIONS:** Avoid direct contact with eyes, skin, and clothing. Avoid ingestion and inhalation.

### SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION MEASURES

**EXPOSURE LIMITS:**

No exposure limits have been established by ACGIH or OSHA for any of the components of this product.

**ENGINEERING CONTROLS:** Have facilities/equipment at hand for washing skin (such as soap, water, safety shower) and eyes (such as an eye wash) in case of accidental exposure.

**PERSONAL PROTECTIVE EQUIPMENT:** Please wear appropriate person protective equipment for handling of this product as indicated below.

**EYE PROTECTION:** In accordance with good chemical hygiene, chemical splash/safety goggles are advised.

**SKIN PROTECTION:** In accordance with good chemical hygiene, gloves of an appropriate material (latex, nitrile or PVC) are advised in order to minimize exposure.

**RESPIRATORY PROTECTION:** None.

### SECTION 9 - PHYSICAL AND CHEMICAL DATA

<b>APPEARANCE:</b>	Solid Off-White Tablet
<b>ODOR:</b>	None
<b>ODOR THRESHOLD:</b>	No data available
<b>pH:</b>	No data available
<b>FLASH POINT:</b>	No data available
<b>AUTOIGNITION TEMPERATURE:</b>	No data available
<b>FLAMMABILITY:</b>	Nonflammable
<b>EXPLOSION LIMITS:</b>	No data available
<b>MELTING POINT:</b>	>200 °C
<b>BOILING POINT (760 mm Hg):</b>	No data available
<b>VAPOR PRESSURE:</b>	Negligible
<b>VAPOR DENSITY (AIR = 1):</b>	No data available
<b>SPECIFIC GRAVITY (WATER = 1):</b>	No data available
<b>SOLUBILITY:</b>	Soluble (water)
<b>PARTITION COEFFICIENT: (N-OCTANOL/WATER)</b>	No data available
<b>DECOMPOSITION TEMPERATURE:</b>	No data available
<b>VISCOSITY:</b>	No data available
<b>EVAPORATION RATE: (N-BUTYL ACETATE = 1)</b>	No data available

### SECTION 10 – STABILITY AND REACTIVITY

**REACTIVITY:** No data available.

**CHEMICAL STABILITY:** Stable when handled or stored under the recommended conditions.

**HAZARDOUS POLYMERIZATION:** Product will not undergo hazardous polymerization.

**CHEMICAL INCOMPATIBILITY:** Store and use away from strong oxidizing agents.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Burning of this product will form oxides of carbon and nitrogen. Thermal decomposition of the quaternary ammonium compound may result in traces of hydrogen cyanide.

### SECTION 11 - TOXICOLOGICAL INFORMATION

**PRIMARY ROUTES OF ENTRY:** Eye contact, skin contact, ingestion.

**ACUTE TOXICITY**

As a tablet chemical mixture, health concerns for this product are confined to possible skin and eye damage. In pure form, the quaternary ammonium ingredient has  $LD_{50}$  values for a rat of 500 mg/kg (oral) and >2,000 mg/kg (dermal).

**ACUTE SYMPTOMS:** Limited exposure can result in skin and eye irritation; more extensive exposure can result in skin burns and eye damage.



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Ingestion may cause gastrointestinal irritation, nausea, vomiting, and diarrhea.

**DELAYED EFFECTS:** No data available.

**CHRONIC EFFECTS:** No data available.

**MUTAGENICITY:** No evidence of a mutagenic effect.

**TERATOGENICITY:** No evidence of a teratogenic effect (birth defect).

**SENSITIZATION:** No evidence of a sensitization effect.

**REPRODUCTIVE:** No evidence of negative reproductive effects.

**CHRONIC SYMPTOMS:** None.

**CARCINOGENICITY**

IARC No component of this product is identified as probable, possible or confirmed human carcinogen by IARC.

NTP No component of this product is identified as a known or anticipated carcinogen by NTP.

EPA/OSHA No component of this product is identified as a carcinogen or potential carcinogen by EPA/OSHA.

**SECTION 12 - ECOLOGICAL INFORMATION**

**TOXICITY:** The active ingredients in this product are biodegradable and are present in such quantities that incidental contamination will represent no ecological hazard.

In their pure forms, the active ingredients are known to be highly toxic to aquatic life. Therefore, large amounts of waste or unused product should be kept from waterways or sewers and instead processed through a licensed disposal facility.

**PERSISTENCE AND DEGRADABILITY:** This product biodegrades after use.

**BIOACCUMULION:** No data available

**SOIL TO GROUNDWATER MOBILITY:** No data available

**OTHER ADVERSE EFFECTS:** No data available

**SECTION 13 - DISPOSAL CONSIDERATIONS**

**DISPOSAL METHODS:** Dispose in accordance with all applicable Federal, State and Local regulations. Empty containers should be recycled or disposed of through an approved waste management facility.

**SECTION 14 - TRANSPORT INFORMATION**

This product is a **DOT NON-REGULATED MATERIAL**.

**SECTION 15 - REGULATORY INFORMATION**

**SARA 302 COMPONENTS:** No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313 COMPONENTS:** This material does not contain any chemical components with known CAS numbers that exceed the threshold reporting levels established by SARA Title III, Section 313.

**California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act of 1986):** This product contains no listed substances known to the State of California to cause cancer, birth defects or other reproductive harm, at levels which would require a warning under the conditions of the statute.

**SECTION 16 - OTHER INFORMATION**

**NFPA RATING:**

Health: 2  
Flammability: 0  
Reactivity: 0

The information contained herein is believed to be accurate and is offered in good faith. The above information is, in part, based on material safety data sheets supplied by the vendors of the raw materials used in this product. Because product use is beyond our control, no warranty is given, expressed, or implied. Mainstream Engineering Corporation cannot assume any liability for the use of information contained herein or from damage resulting from handling or contact with the above product. To determine applicability or effect of any law or regulation with respect to the product, users should consult a legal advisor or appropriate governmental agency.

**PREPARATION INFORMATION**

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