

SAFETY DATA SHEET

REVISION DATE: 05/03/2018

SECTION 1 - PRODUCT & COMPANY IDENTIFICATION

PRODUCT NAME: Instant Hull Cleaner
USE: Boat Hull Cleaner and Stain Remover
DESCRIPTION: Ready to Use Cleaning Solution
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):

Corrosive to metals (Category 1), H290
 Acute Toxicity – Oral (Category 5), H303
 Skin irritation (Category 2), H315
 Eye irritation (Category 2A), H319

HAZARD STATEMENT(S):

H290 May be corrosive to metals.
 H303 May be harmful if swallowed
 H315 Causes skin irritation.
 H319 Causes serious eye irritation.

PICTOGRAM(S):



SIGNAL WORD: Warning

PRECAUTIONARY STATEMENT(S):

P102 Keep out of reach of children.
 P103 Read label before use.
 P234 Keep only in original container.
 P264 Wash skin thoroughly after handling.
 P280 Wear protective gloves/eye protection/face protection.
 P302 + P352
 IF ON SKIN: Wash with plenty of soap and water.
 P305 + P351 + P338

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P312 Call a POISON CENTER or doctor if you feel unwell.
 P332 + P313
 If skin irritation occurs: Get medical attention.
 P337 + P313
 If eye irritation persists: Get medical attention.
 P362 + 364
 Take off contaminated clothing and wash before reuse.
 P390 Absorb spillage to prevent material-damage.
 P501 Dispose of contents/container in accordance with local and federal regulations.

HAZARDS NOT OTHERWISE CLASSIFIED BY GHS: none

SECTION 3 - PRODUCT COMPOSITION INFORMATION

| COMPONENT | CAS # | AMOUNT |
|-----------------|-----------|--------|
| Water | 7732-18-5 | 86% |
| Oxalic Acid | 144-62-7 | 8% |
| 2-Butoxyethanol | 111-76-2 | 5% |
| Surfactant* | | 1% |

* TRADE SECRET - PROPRIETARY FORMULA. 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: Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention.

INGESTION: Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth. Drink milk or egg whites as indicated by a physician, medical facility, or poison control center.



INHALATION: If symptoms develop, immediately move individual away from exposure and into fresh air. Seek medical attention if symptoms persist.

NOTICE TO PHYSICIANS: Treat symptomatically.

SECTION 5 – FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA: This material is an *aqueous* mixture and is considered non-flammable. Thus, the choice of extinguishing media should be made with consideration of the *surrounding* fire. Water, foams, dry chemical powder, carbon dioxide (CO₂) are acceptable.

HAZARDOUS DECOMPOSITION PRODUCTS: No hazardous decomposition products are anticipated.

UNUSUAL FIRE AND EXPLOSION HAZARDS: No explosion hazards are presented by this product.

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus and protective clothing.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND

EMERGENCY PROCEDURES: Use personal protective equipment outlined in section 8 for normal handling of this material. In the event of a spill, large amounts of water can be used to dilute to safe levels. Ideally, sodium bicarbonate (*i.e.*, baking soda) should be used to neutralize the acid.

ENVIRONMENTAL PRECAUTIONS: Prevent release of unused product to the environment if possible. Only spent and neutralized product should be allowed to enter drains or sewer lines.

MATERIALS FOR CONTAINMENT AND CLEAN-UP: Use large amounts of water to dilute the acid during clean up, or use sodium bicarbonate (*i.e.*, baking soda) to neutralize any spilled product. Dispose according to local regulations.

REFERENCE TO OTHER SECTIONS: For additional disposal directions and reporting requirements, please refer to Section 13.

SECTION 7 – HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: Keep container closed when not in use. Use good personal hygiene practices in accordance with this material. Avoid getting the product in eyes or on skin. Remove contaminated clothing and clean before re-use. Wash hands before eating or drinking. Keep out of the reach of children.

Please wear appropriate personal protective equipment for handling of this product as outlined in Section 8.

STORAGE: Store in a cool, dry location. Keep container tightly closed. Maintain adequate ventilation.

SPECIAL STORAGE CONSIDERATIONS: Monitor container periodically for damage. Do *NOT* transfer product to a metal container.

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION MEASURES

EXPOSURE LIMITS: For the component, oxalic acid, CAS #144-62-7:

| | | |
|-------|------|---------------------|
| ACGIH | STEL | 2 mg/m ³ |
| | TWA | 1 mg/m ³ |
| NIOSH | STEL | 2 mg/m ³ |
| | TWA | 1 mg/m ³ |
| OSHA | PEL | 1 mg/m ³ |

For the component, 2-butoxyethanol, CAS #111-76-2:

| | | |
|-------|-----|-----------------------|
| ACGIH | TWA | 20 ppm |
| NIOSH | TWA | 24 mg/m ³ |
| OSHA | PEL | 240 mg/m ³ |
| | | 50 ppm |

ENGINEERING CONTROLS: Handle product in accordance with good industrial hygiene and safety practice. To keep airborne levels below exposure limits, please provide adequate ventilation, particularly in confined areas. Wash hands thoroughly after possible contact with this material.

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

EYE PROTECTION: Chemical splash goggles are advised.

SKIN PROTECTION: Use gloves of an appropriate material (nitrile or neoprene gloves recommended) to minimize exposure. Proper apparel should be worn to prevent direct contact of the product with skin.

RESPIRATORY PROTECTION: Normal intended use of this product should not result in a respiratory hazard. If there is a reason for workplace exposure limits to be exceeded, a NIOSH/MSHA approved air supplied respirator is advised.



SECTION 9 - PHYSICAL AND CHEMICAL DATA

| | |
|---|-------------------------|
| APPEARANCE: | Clear, colorless liquid |
| ODOR: | Slight sweet odor |
| ODOR THRESHHOLD: | No data available |
| pH: | ~1 |
| FLASH POINT: | None |
| AUTOIGNITION TEMPERATURE: | None |
| FLAMMABILITY: | Nonflammable |
| EXPLOSION LIMITS: | None |
| MELTING POINT: | ~0 °C (32 °F) |
| BOILING POINT (760 mm Hg): | ~100 °C (212 °F) |
| VAPOR PRESSURE: | No data available |
| VAPOR DENSITY (AIR = 1): | No data available |
| SPECIFIC GRAVITY (WATER = 1): | 1.01 |
| SOLUBILITY: | Miscibility with water |
| PARTITION COEFFICIENT: (N-OCTANOL/WATER) | No data available |
| DECOMPOSITION TEMPERATURE: | No data available |
| VISCOSITY: | No data available |
| VOC CONTENT: | No data available |
| EVAPORATION RATE: (N-BUTYL ACETATE = 1) | No data available |

SECTION 10 – STABILITY AND REACTIVITY

REACTIVITY: No data available.
CHEMICAL STABILITY: Stable when handled or stored under the recommended conditions.
POSSIBILITY OF HAZARDOUS REACTIONS: Under normal use and storage conditions no generation of hazardous materials is expected.
HAZARDOUS POLYMERIZATION: Product will not undergo hazardous polymerization
CHEMICAL INCOMPATIBILITY: Avoid extended contact with metals/alloys. Keep away from Strong oxidizing agents, such as chlorites and hypochlorites.
HAZARDOUS DECOMPOSITION PRODUCTS: Product is not expected to produce hazardous decomposition products.

SECTION 11 - TOXICOLOGICAL INFORMATION

PRIMARY ROUTES OF ENTRY: Skin contact, eye contact, inhalation.
INFORMATION ON TOXICOLOGICAL EFFECTS
ACUTE SYMPTOMS: Eye irritation, skin irritation, respiratory irritation, intestinal irritation.
Eye: Contact may cause serious irritation, redness, and pain.
Skin: Prolonged contact may cause skin irritation.

Ingestion: Large oral doses may cause gastrointestinal disturbances.

Inhalation: High concentrations of mist may cause coughing and sneezing.

DELAYED EFFECTS: No data available

CHRONIC EFFECTS:

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 present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

NTP No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

SECTION 12 - ECOLOGICAL INFORMATION

TOXICITY: No data available.

PERSISTENCE AND DEGRADABILITY: No data available

BIOACCUMULATION: 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.

SPECIAL CONSIDERATIONS FOR DISPOSAL: None.

SECTION 14 – TRANSPORT INFORMATION

DOT (US): Non-regulated



SECTION 15 – REGULATORY INFORMATION

US federal regulations

This product is hazardous according to OSHA 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Oxalic acid (CAS 144-62-7), 1.0 % One-Time Export Notification only.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

CERCLA Hazardous Substance List (40 CFR 302.4)

Ethylene glycol n-butyl ether (CAS 111-76-2), LISTED

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

SARA 311/312 Hazards

Acute Chemical Hazard (Immediate Hazard)

SARA 313: The following components are subject to reporting levels established by SARA Title III, Section 313:

| Component | CAS Number | % by wt |
|-----------------|------------|---------|
| 2-Butoxyethanol | 111-76-2 | 5 |

Massachusetts Right To Know Components

| | |
|-----------------|----------------|
| 2-Butoxyethanol | (CAS 111-76-2) |
| Oxalic acid | (CAS 144-62-7) |

Pennsylvania Right To Know Components

| | |
|-----------------|----------------|
| 2-Butoxyethanol | (CAS 111-76-2) |
| Oxalic acid | (CAS 144-62-7) |

New Jersey Right To Know Components

| | |
|-----------------|----------------|
| 2-Butoxyethanol | (CAS 111-76-2) |
| Oxalic acid | (CAS 144-62-7) |

Rhode Island Right To Know Components

| | |
|-----------------|----------------|
| 2-Butoxyethanol | (CAS 111-76-2) |
|-----------------|----------------|

California Prop. 65 Components: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

SECTION 16 – OTHER INFORMATION

NFPA RATING:

Health: 2
Flammability: 1
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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