

Safety Data Sheet

REVISION DATE: 10/23/2015

SECTION 1 - PRODUCT & COMPANY IDENTIFICATION

PRODUCT NAME: QwikTreat Condensate Pan Treatment
USE: Cleans and Disinfects Condensate Pans
DESCRIPTION: Tablets Containing a Time-Release Ingredient for the Treatment of HVAC Condensate Pans

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

INFORMATION TELEPHONE: 321-631-3550

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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.
- P332 If skin irritation occurs: Seek medical attention.
- 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.

HAZARDS NOT OTHERWISE CLASSIFIED: None.

SECTION 3 - PRODUCT COMPOSITION INFORMATION

COMPONENT	CAS #	AMOUNT
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.

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

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

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.



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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