

SAFETY DATA SHEET

REVISION DATE: 01/20/2017

SECTION 1 - PRODUCT & COMPANY IDENTIFICATION

PRODUCT NAME: QwikBright-MC Coil Cleaner
USE: HVAC Microchannel Coil Cleaner
DESCRIPTION: Cleaner for use on Microchannel and Other Delicate HVAC Coils

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):

- Skin irritation (Category 2)
- Skin sensitization (Category 1)
- Serious eye damage (Category 1)
- Acute aquatic toxicity (Category 3)

HAZARD STATEMENT(S):

- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H335 May cause respiratory irritation.
- H402 Harmful to aquatic life.

PICTOGRAM(S):



SIGNAL WORD: Danger

PRECAUTIONARY STATEMENT(S):

- P102 Keep out of reach of children.
- P103 Read label before use.
- P261 Avoid breathing mist/vapors/spray.
- P264 Wash hands thoroughly after handling.
- P273 Avoid release to the environment.

P280 Wear protective gloves/eye protection/face protection.

P302+352
 IF ON SKIN: Wash with plenty of water.

P333 + P313
 If skin irritation or rash occurs: Get medical advice/attention.

P305 + P351 + P338 + P310
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.

P362 + 364
 Take off contaminated clothing and wash before reuse.

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
Sodium Dodecyl Sulfate	151-21-3	10-20%
Corrosion Inhibitor	Proprietary	< 0.1%
Dye Blend	Proprietary	0.4%

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. If symptoms persist, seek medical attention.

SKIN: Remove contaminated clothing. Wash exposed area with soap and water. If symptoms occur, seek medical attention. Wash clothing before reuse.

INGESTION: Seek medical attention from a physician, medical facility, or poison control center. Do not induce vomiting unless directed to by a medical professional. If individual is drowsy or unconscious, do not give anything by mouth.

INHALATION: If inhaled move individual to fresh air. If person is not breathing, call 911; provide artificial respiration, if possible. Call a physician for further treatment advice.



NOTICE TO PHYSICIANS: Treat exposures symptomatically.

SECTION 5 – FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA: Use water spray, CO₂ (Carbon Dioxide), dry chemical, or extinguishing foams.

HAZARDOUS DECOMPOSITION PRODUCTS: Although the material itself is nonflammable, residues exposed to heat can generate oxides of carbon, sulfur, and/or sodium.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None.

SPECIAL FIRE FIGHTING PROCEDURES: Firefighters should wear full protective gear, including self-contained breathing apparatus, if deemed necessary.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

Avoid inhalation of vapors/mist and make sure area is well ventilated. Protective eyewear and gloves are recommended. Remove contaminated clothing and wash before reuse.

ENVIRONMENTAL PRECAUTIONS: Prevent release of unused product to the environment if possible. Avoid discharge to natural waters or sewers.

MATERIALS FOR CONTAINMENT AND CLEAN-UP: Spills should be contained immediately; use an inert adsorbent material (e.g., vermiculite or sand). Transfer liquid and contaminated solid waste to containers suitable for recovery or disposal in accordance with federal and 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: Use good industrial hygiene practices when handling this material. Use with safety glasses. Wash thoroughly and immediately after handling or wear gloves. Use only in a well-ventilated area. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation. Keep away from children.

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

SPECIAL STORAGE CONSIDERATIONS: Keep container tightly sealed and stored upright to prevent leakage.

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION MEASURES

EXPOSURE LIMITS:

No occupational exposure limits have been determined for this product.

ENGINEERING CONTROLS: Handle product in accordance with good industrial hygiene and safety practices.

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

EYE PROTECTION: Chemical splash goggles are advised, or a face shield (8-inch minimum).

SKIN PROTECTION: Use gloves and appropriate clothing to minimize dermal exposure. Recommended materials are latex and nitrile.

RESPIRATORY PROTECTION: Avoid breathing mists or vapors. If it is deemed that a respirator is necessary, a NIOSH/MSHA approved air supplied respirator is advised, or a positive pressure self-contained breathing apparatus (SCBA).

SECTION 9 - PHYSICAL AND CHEMICAL DATA

APPEARANCE:	Clear, Red Liquid
ODOR:	None
ODOR THRESHHOLD:	No data available
pH:	6 (Concentrate)
FLASH POINT:	No data available
AUTOIGNITION TEMPERATURE:	No data available
FLAMMABILITY:	Not flammable
EXPLOSION LIMITS:	None
MELTING POINT (Pour Point):	No data available
BOILING POINT (760 mm Hg):	> 212 °F
VAPOR PRESSURE:	No data available
VAPOR DENSITY (AIR = 1):	No data available
SPECIFIC GRAVITY (WATER = 1):	1.02
SOLUBILITY:	Soluble with water
PARTITION COEFFICIENT: (N-OCTANOL/WATER)	No data available
DECOMPOSITION TEMPERATURE:	No data available
VISCOSITY:	No data available
VOC CONTENT:	0%
EVAPORATION RATE: (N-BUTYL ACETATE = 1)	> 1



SECTION 10 – STABILITY AND REACTIVITY

REACTIVITY: No data available.

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

POSSIBILITY OF HAZARDOUS REACTIONS: No data available.

HAZARDOUS POLYMERIZATION: Product will not undergo hazardous polymerization.

CHEMICAL INCOMPATIBILITY: Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition can generate oxides of carbon, sulfur and/or sodium.

SECTION 11 - TOXICOLOGICAL INFORMATION

PRIMARY ROUTES OF ENTRY: Skin contact, eye contact, ingestion, and inhalation.

INFORMATION ON TOXICOLOGICAL EFFECTS

ACUTE SYMPTOMS: No data available.

Eye: Exposure to mist or liquid can cause irritation. More prolonged or severe exposures can result in damage.

Skin: Exposure to mist or liquid can cause irritation.

Ingestion: Exposure can lead to irritation of the digestive tract.

Inhalation: Incidental exposure can lead to mild irritation. Sodium dodecyl sulfate has been reported to cause pulmonary sensitization resulting in hyperactive airway dysfunction and pulmonary allergy accompanied by fatigue, malaise, and aching. Significant symptoms of exposure can persist for more than two years and can be activated by a variety of nonspecific environmental stimuli such as automobile exhaust, perfumes, and passive smoking. To date, the chemical, physical, and toxicological properties have not been thoroughly investigated.

CHRONIC EFFECTS:

MUTAGENICITY: No data available.

TERATOGENICITY: No data available.

SENSITIZATION: No data available.

REPRODUCTIVE: No data available.

CHRONIC SYMPTOMS: No data available.

CARCINOGENICITY: None of the intentional ingredients on this product are listed as carcinogenic by NTP, IARC, ACGIH or 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: Leakage of this product to the environment can lead to adverse effects. May be harmful to aquatic life.

SECTION 13 – DISPOSAL CONSIDERATIONS

DISPOSAL METHODS: Dispose in accordance with all applicable Federal, State and Local regulations. Always contact a permitted waste disposer to assure compliance.

SPECIAL CONSIDERATIONS FOR DISPOSAL: Emptied containers may still retain product residue and therefore should be disposed of as hazardous waste.

SECTION 14 – TRANSPORT INFORMATION

DOT (US):

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

SECTION 15 – REGULATORY INFORMATION

U.S. Toxic Substances Control Act: All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements under 40 CFR 720.30

SARA Section: This product contains no ingredients regulated under Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 or 40 CFR 372.

State Right to Know

Sodium dodecyl sulfate (CAS 151-21-3)

Water (CAS 7732-18-5)

are listed on the Right to Know List of ingredients for the states of New Jersey and Pennsylvania.

SARA 311/312 Hazards

Acute Health Hazard

California's Proposition 65: This product does not contain any materials on the Proposition 65 List of Chemicals Known to Cause Cancer or exhibit Reproductive Toxicity.



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SECTION 16 – OTHER INFORMATION

HMIS RATING:

Health hazard: 2
Flammability: 0
Physical Hazard: 0
Personal Protection: I

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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