



SAFETY DATA SHEET

F-239

SDS DATE: revised 9/25/2015

SECTION 1: IDENTIFICATION

PRODUCT IDENTIFIER: F-239

PRODUCT USE: Cleaner/Degreaser
Industrial Cleaning

SUPPLIER DETAILS: Name: Brewer International, Incorporated
Address: PO Box 690037
Vero Beach, FL 32969
Phone: (800) 228-1833
Fax: (772) 778-2490

EMERGENCY PHONE: Chem Tel (800) 255-3924 available 24 hours

SECTION 2: HAZARD(S) IDENTIFICATION

HAZARD CLASSIFICATION: Eye Damage, category 1
Skin Corrosion, category 1

LABEL ELEMENTS:



EMERGENCY OVERVIEW

ROUTES OF ENTRY: Eye Contact, Skin Contact, Inhalation, Ingestion

HEALTH EFFECTS:

Eyes: **DANGER** causes severe eye damage.

Skin: **DANGER** causes severe skin burns.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT: 2-butoxyethanol and other chemicals in a proprietary formulation

SECTION 4: FIRST-AID MEASURES

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation or burning persists, get medical attention.

IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs, get medical attention.

IF SWALLOWED: Rinse mouth. Call a doctor if you feel unwell.



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IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a doctor if you feel unwell.

SECTION 5: FIRE-FIGHTING MEASURES

FLASH POINT:

- F: Will not flash
- C: Will not flash

SUITABLE EXTINGUISHING MEDIA: Water, Dry chemicals, foam, carbon dioxide, water spray or fog.

UNSUITABLE EXTINGUISHING MEDIA: None

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL: None

SPECIAL PROTECTIVE ACTIONS FOR FIRE-FIGHTERS: Evacuate the area promptly. Observe all precautions that apply to any fire where chemicals are stored. Wear suitable protective equipment.

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Keep unnecessary personnel away. Ensure adequate ventilation.

ENVIRONMENTAL PRECAUTIONS: Prevent further leakage or spillage if safe to do so. Keep out of drains, sewers ditches and waterways.

METHODS FOR CONTAINMENT: Stop the flow of the material and dike spill area.

METHODS FOR CLEANING UP: Flood area with water and mop up spill. For waste disposal, see section 13 of this MSDS.

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: Wash hands after handling. Avoid breathing vapors or spray. Use only out doors or in a well-ventilated area. **DO NOT** get in eyes, on skin or on clothing. Avoid prolonged and repeated contact. **DO NOT** swallow. Eating, drinking and smoking in work areas is prohibited.

STORAGE: Store in a well-ventilated place with proper sprinkler/fire deterrent system. Keep container tightly closed. Store locked up.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

INGREDIENT(S)	EXPOSURE LIMITS
2-butoxyethanol	OSHA PEL: 50 ppm, 240 mg/m ³ , skin ACGIH TWA: 20 ppm ACGIH STEL: Not Established
Sodium Octanesulfonate	OSHA PEL: Not Established ACGIH TWA: Not Established ACGIH STEL: Not Established



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PEL= Permissible Exposure Limits
TWA= Time Weighted Average
STEL= Short term Exposure Limit

ACGIH= American Conference of Governmental Industrial Hygienists
OSHA= Occupational Safety and Health Administration

ENGINEERING CONTROLS: Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Maintain air concentrations below occupational exposure limits. Use local exhaust when misting occurs. Natural ventilation is adequate in absence of mists. Keep away from sparks and flames.

RESPIRATORY PROTECTION: No personal respiratory protective equipment normally required. An approved respirator must be worn if airborne concentrations are above any recommended exposure limits. In misty atmospheres, use an approved respirator.

EYE PROTECTION: If material could be misted or splashed into eyes, wear safety glasses with side shields (or goggles). Eye wash fountain should be available.

SKIN PROTECTION: Impervious gloves are recommended.

WORK HYGIENIC PRACTICES: When using, do not eat, drink or smoke. Do not get in eyes. Do not get this material in contact with skin. Wash hands and face before breaks and immediately after handling the product. Launder contaminated clothing before reuse. Have eye wash and emergency shower facilities immediately available. Handle in accordance with good industrial hygiene and safety practice.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Blue

ODOR: Low chemical odor

ODOR THRESHOLD: No data available

PHYSICAL STATE: Liquid

pH: No data available

FREEZING POINT: No data available

BOILING POINT: No data available

FLASH POINT: Does not flash

EVAPORATION RATE (N-Butyl Acetate = 1): No data available

FLAMMABILITY (SOLID, GAS): No data available

UPPER/LOWER FLAMMABILITY: No data available

VAPOR PRESSURE (mmHg): No data available
@ 68°F (20.0°C)

VAPOR DENSITY (AIR = 1): No data available

SPECIFIC GRAVITY (H₂O = 1): No data available
@ 68°F (20.0°C)

SOLUBILITY IN WATER: Yes

PARTITION COEFFICIENT (N-Octanol/Water): No data available

AUTO-IGNITION TEMPERATURE: No data available



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DECOMPOSITION TEMPERATURE: No data available

VISCOSITY: No data available

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY/POSSIBILITY OF HAZARDOUS REACTIONS: None expected.

CHEMICAL STABILITY: Material is stable under normal conditions.

CONDITIONS TO AVOID: Keep away from heat, sparks, static discharge or flames.

INCOMPATIBLE MATERIALS: Strong acids and bases, including acidic clays; alkali metals; halogens; peroxides; vinyl chloride; and iodine pentafluoride.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Sulfur dioxide and other oxides of sulfur.

SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE TOXICITY: No data available

SKIN CORROSION/IRRITATION: causes severe skin burns

EYE DAMAGE/IRRITATION: causes severe eye damage

RESPIRATORY OR SKIN SENSITIZATION: The product is not expected to be sensitizing

GERM CELL MUTAGENICITY: No data available

CARCINOGENICITY: No components present in excess of 0.1% by weight listed as carcinogens by OSHA, NTP, IARC or ACGIH.

REPRODUCTIVE TOXICITY: No data available

SPECIFIC TARGET ORGAN TOXICITY

SINGLE EXPOSURE: Not expected

REPEATED EXPOSURE: Not expected

ASPIRATION HAZARD: Not expected

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY: No data available

PERSISTENCE AND DEGRADABILITY: No data available

BIOACCUMULATIVE POTENTIAL: No data available

MOBILITY IN SOIL: No data available

OTHER ADVERSE EFFECTS: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.



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SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Incinerate or dispose of in accordance with Local, State, and Federal Regulations. Commercially clean containers prior to disposal. For the safety of persons conducting disposal, please refer to the information in section 8.

SECTION 14: TRANSPORT INFORMATION

DOT

Not regulated

IATA

Not regulated

IMDG

Not regulated

TDG

Not regulated

ENVIRONMENTAL HAZARDS: The product is not a marine pollutant as defined by 49 CFR part 171.8 or TDG regulations.

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS: This product is a Hazardous Chemical as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. All components are on the U.S. EPA TSCA Inventory List or exempt under 40 CFR 720.30.

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT) reportable substances:

Not regulated

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

HAZARD CATEGORIES

IMMEDIATE HAZARD: Yes

DELAYED HAZARD: No

FIRE HAZARD: No

PRESSURE HAZARD: No

REACTIVE HAZARD: No

313 REPORTABLE INGREDIENTS: No

302 EXTREMELY HAZARDOUS SUBSTANCE: No

CALIFORNIA PROPOSITION 65: *The following statement is made in order to comply with the California Safe Drinking Water and Toxic Enforcement Act of 1986.* This product does not contain any chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.



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SECTION 16: OTHER INFORMATION

NFPA RATINGS

HEALTH: 3

FIRE: 0

REACTIVITY: 0

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