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Material Safety Data Sheet

Essentially similar to U.S. Dept. of Labor Form LSD-00504 for CHEM-KWIK™ Chemical Cleaner

SECTION I - PRODUCT IDENTIFICATION

Manufacturers Name:

Brewer International, Inc
P.O. Box 6006 - Vero Beach, FL 32961-6006
Transportation Emergency Contact: Chem Tel Inc.

Telephone Number:

(407) 562-0555
(800) 228-1833
(800) 255-3924

Product Name: Chem-Kwik (F-239 cleaner)
Chemical Name & Synonyms: 2-Butoxyethanol

SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS

Alkylarylsulfonates, alcohol, and inorganic acid neutralizing and chelating agents: >30%
2-Butoxyethanol CAS#111-76-2 TLV Units 25 ppm

SECTION III - HAZARDS IDENTIFICATION

Eye: Causes severe irritation, experienced as discomfort or pain, excess blinking and tear production, redness, swelling, and chemical burn of the eye.
Skin: Brief contact is not irritating. Prolonged contact may cause discomfort, local redness, and defatting of skin.
Ingestion: May cause abdominal discomfort, nausea, vomiting and diarrhea.
Inhalation: Mist may cause irritation of the respiratory tract, experienced as nasal discomfort and discharge, with chest pain and coughing.
Other Effects: Threshold limits established by raw material: 25ppm. This product is not a carcinogen. 2-Butoxyethanol penetrates skin readily. Ingestion of significant quantities may result in red blood cell hemolysis.

SECTION IV - FIRST AID MEASURES

Eye: Immediately flush eyes with water and continue washing for at least 15 minutes. Obtain medical attention.
Skin: Remove contaminated clothing. Wash skin with soap and water. Obtain medical attention if irritation persists. wash clothing before reuse.
Ingestion: Give two glasses of water. Do not induce vomiting. Obtain medical attention.
Inhalation: Remove to fresh air. Obtain medical attention if symptoms persists.
Other: Treatment of overexposure should be directed at control of symptoms and clinical condition of patient.

SECTION V - FIRE FIGHTING MEASURES

Flash Point: >208°F
Fire Extinguishing Media: Foam, Water fog, Dry Chemical, ABC fire extinguisher
Unusual Fire & Explosive Hazards: None
Fire Fighting Equipment: None

SECTION VI - ACCIDENTAL RELEASE MEASURES

If material is released or spilled, wear eye and skin protection. Floor may be slippery; use care to avoid falling. Contain spills immediately with inert materials (eg; sand, earth). Avoid discharge to natural waters. Transfer liquids and solid diking material to suitable containers for recovery or disposal.

SECTION VII - HANDLING AND STORAGE

Use with adequate ventilation. Wash thoroughly after handling. Spilled material is slippery. Material is nonflammable.

SECTION VIII - EXPOSURE CONTROLS & PERSONAL PROTECTION

Respiratory Protection: None needed.

Ventilation: Adequate ventilation.

Skin Protection: Use of protective clothing is recommended.

Eye Protection: Wear full face shield or goggles.

Exposure Guidelines: Use impervious gloves. Repeated skin contact could cause a dermatitis.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: >208°F

Specific Gravity: 1.06 @25°C

Vapor Pressure: @ 25°C 23.76mm Hg

Vapor Density: Undetermined

Solubility in Water: Yes

Appearance & Odor: Blue liquid with solvent odor.

SECTION X - STABILITY AND REACTIVITY

Stability: Stable.

Incompatibility: Avoid high temperatures and strong acids.

Hazardous Decomposition Products: None known.

Hazardous Polymerization: Will not occur.

SECTION XI - TOXICOLOGICAL INFORMATION

Not listed as a carcinogen.

SECTION XII - ECOLOGICAL INFORMATION

Not known.

SECTION XIII - DISPOSAL INFORMATION

Check local, state and federal regulations.

SECTION XIV - TRANSPORT INFORMATION

NMFC number is 4610, adjuvants. NFPA rating is 1-health, 0-fire, 0-reactivity, 0-specific hazard.

SECTION XV - REGULATORY INFORMATION

SARA Hazard Category: This product has been reviewed according to the EPA hazard categories under sections 311 and 312 of SARA Title III, 1986, and is considered, under applicable definitions, to meet the following categories:

Hazardous components at levels which require reporting are:

None.

OSHA Hazard Communications Standard, 29 CFR 1919.1200:

This product is non hazardous.

The information herein is given in good faith, but no warranty, expressed or implied, is made. Consult Brewer International for more information. It is the user's obligation to determine the conditions of safe use of the product.



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