

MATERIAL SAFETY DATA SHEET

This MSDS Complies With 29 CFR 1910.1200 (The Hazard Communication Standard)
This material safety data sheet conforms to the requirements of ANSI Z400.1

SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

UKFSW – UltraKlean FSW

Manufacturer/Supplier:

American Chemical Technologies, Inc.
485 E. Van Riper Road, Fowlerville, MI 48836
Office: 517-223-0300 Fax: 517-223-1703

Emergency Spill Information:

INFOTRAC 1-800-535-5053
24 HOURS/DAY, 7 DAYS/WEEK

SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS#</u>	<u>Range % by wt.</u>
Water	7732-18-5	70% - 90%
Potassium hydroxide	1310-58-3	4% - 8%
Sodium Metasilicate	6834-92-0	4% - 8%
2-butoxyethanol	111-76-2	2% - 4%

SECTION 3 – HAZARDS IDENTIFICATION

Emergency Overview: This product has been evaluated and does not require any hazard warning on the label under OSHA criteria.

Potential Health Effects:

Eye Contact: Prolonged or repeated contact may cause eye irritation.

Skin Contact: Prolonged or repeated contact may cause skin irritation.

Inhalation: No significant health hazards identified.

Ingestion: Do not take internally. Harmful or fatal if swallowed.

HMIS Code: (Health:1) (Flammability:0) (Reactivity:1) (Protection:)

NFPA Code: (Health:1) (Flammability:0) (Reactivity:1)

SECTION 4 – FIRST AID MEASURES

Eye: Immediately flush with large amounts of water for at least 15 minutes, and seek medical attention immediately.

Skin: Remove excess with cloth or paper, wash thoroughly with soap and water, and launder contaminated clothing before re-use.

Inhalation: Remove individual to fresh air. If breathing is difficult administer oxygen. If breathing has stopped, give artificial respiration and seek medical attention.

Ingestion: Immediately drink two (2) glasses of water and induce vomiting either by giving ipecac syrup or by placing finger at back of throat. Never give anything by mouth to an unconscious individual. Seek medical attention immediately.

Primary Routes of Entry: Inhalation, skin absorption, skin contact, and eye contact.

Effects of Chronic Overexposure: Overexposure to components of this material have been found to have the following effects in lab animals; liver abnormalities, severe irritation to eyes resulting in eye damage, and kidney damage.

SECTION 5 – FIRE FIGHTING MEASURES

Flashpoint: None **Method:** C.O.C.

UEL: Not determined.

LEL: Not determined.

Autoignition Temperature: Not determined.

Flammability Classification: Not Flammable.

Extinguishing Media: Agents approved for Class B (e.g., dry chemical, carbon dioxide, foam, steam) or water fog.

Unusual Fire and Explosion Hazards: Keep away from extreme heat or open flames.

Fire Fighting Equipment: Fire fighters should wear an approved self-contained breathing apparatus. As with petroleum oils, maintain oil from spreading.

Hazardous Combustion Products: Incomplete combustion results in oxides of carbon.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Steps to be taken in Case Material is Released or Spilled: Apply an absorbent or use a mop and water to clean up.

SECTION 7 – HANDLING AND STORAGE

Handling: No special requirements if handled with reasonable care.

Storage: Do not store in high temperature areas or where subject to open flames. Store inside away from extreme temperatures. Empty drums may contain product residues. All safety precautions taken when handling this product should also be taken when handling empty drums.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye: Chemical safety goggles and, if handled hot, full face shield.

Skin: Wear impermeable gloves if prolonged or repeated contact is likely.

Inhalation: Use NIOSH/MSHA approved equipment when TLV limits are exceeded.

Engineering Controls: Control airborne concentrations below the exposure guidelines.

Other Protective Equipment: Standard work clothes, shoes, apron, etc.

SECTION 9 – CHEMICAL AND PHYSICAL PROPERTIES

Appearance and Odor : Clear watery liquid

pH : 11.5 (diluted 20:1)

Vapor Pressure : equal to water

Vapor Density : equal to water

Boiling Point : 212 °F

Melting Point : Not determined

Solubility in water : Complete

Specific Gravity : 1.107 – 1.116

Evaporation Rate : equal to water

Percent Volatiles : 0

SECTION 10 – STABILITY AND REACTIVITY

Stability: Stable.

Conditions to Avoid: Extreme heat.

Materials to Avoid: Strong acids and nitrates.

Hazardous Decomposition: None identified.

SECTION 11 – TOXICOLOGICAL INFORMATION

Toxicological testing has not been conducted on this product.

SECTION 12 – ECOLOGICAL INFORMATION

Ecological testing has not been conducted on this product.

SECTION 13 – DISPOSAL INFORMATION

Disposal must be in accordance with applicable federal, state, or local regulations.

SECTION 14 – TRANSPORTATION INFORMATION

U.S. Dept. of Transportation

Shipping Name: not regulated

Hazard Class:

Identification number:

SECTION 15 – REGULATORY INFORMATION

All components of this product are on the U.S. TSCA inventory.

Superfund Amendments and Reauthorization Act of 1986 Title 111(Emergency Planning and Community Rights to Know Act) section 313: To the best of our Knowledge this product does not contain chemicals at levels which require reporting under this statute.

Sections 311 and 312

Delayed(Chronic) Health Hazard :	NO
Fire Hazard :	NO
Immediate(Acute) Health Hazard :	NO
Reactive Hazard :	Check Section 10.
Sudden Release of Pressure Hazard :	NO

SECTION 16 – SPECIAL PRECAUTIONS

Prepared By: Mark D. Latunski
Date Revised: 03/17/2011
Supersedes: 01/06/2005
Date Prepared: 09/03/1996

The information provided herein is believed to be accurate to the best of the company's knowledge as of the date of its issue. We do not warrant or guarantee the information provided and will not be held liable for any loss or damage from its use.