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EMERGENCY: INFOTRAC 1-800-535-5053 24 HRS/DAY, 7 DAYS/WEEK

This MSDS complies with 29 CFR 1910.1200 (The Hazard Communication Standard)

SECTION I - PRODUCT IDENTIFICATION

Product Name: UltraKlean 1020 LFi
Generic ID: Alkaline Cleaner Concentrate
DOT Hazard Classification: Not Applicable

SECTION II - COMPONENTS

ITEM/CHEMICAL NAME	CAS NUMBER	WT/WT%
Sodium Metasilicate Pentahydrate	6834-92-0	<10%
Potassium Hydroxide	1310-58-3	< .5 %

SECTION III - HEALTH HAZARD DATA

Effects of Overexposure:

Eye Contact: May cause severe irritation possibly resulting in eye damage.

Skin Contact: May cause irritation, defatting, and dermatitis.

Inhalation: Excessive inhalation of vapors can cause nasal and respiratory irritation and central nervous effects.

Ingestion: Practically non-toxic.

Chronic Hazards: No information.

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

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

HMIS Ratings: HEALTH – 1 FLAMMABILITY – 0 REACTIVITY - 0

SECTION IV - FIRST AID MEASURES

FIRST AID:

Eye Contact: Flush with large amounts of water for at least 15 minutes and seek medical attention immediately.

Skin Contact: Wash thoroughly with water for 15 minutes while removing contaminated clothing and shoes. Get medical attention. Wash clothing before reuse.

Inhaled: Remove patient to fresh air. If not breathing, give artificial respiration. If breathing is difficult, administer oxygen. Get medical attention.

Ingested: If swallowed, **DO NOT** induce vomiting. If conscious, dilute by giving several glasses of water. Call a physician immediately. Never give anything by mouth to an unconscious person.

SECTION V - FIRE FIGHTING MEASURES

Flash Point: Not Applicable

Hazardous Decomposition Products: May form toxic materials: Carbon dioxide, carbon monoxide, and various hydrocarbons.

Explosive Limit: None known– exposure to extreme heat build up pressure in closed containers.

Extinguishing Media: Foam, dry chemical, CO₂, water fog.

Special Fire Fighting Procedure: Use full protective equipment including a self-contained breathing apparatus.

SECTION VI - 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.

Waste Disposal Method: Dispose of in accordance with state, local, and federal regulations.

SECTION VII - HANDLING AND STORAGE

Handling: Affix proper warning labels on containers in accordance with 29 CFR 1910.1200 Wash thoroughly after handling. Avoid eye contact.

Storage: Keep from freezing. Keep out of the reach of children!

SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

Hand Protection: Nitrile/rubber gloves

Respiratory Protection: None required under normal conditions.

Skin Protection: Appropriate clothing/apron to prevent prolonged contact with skin.

Eye Protection: Chemical safety goggles or glasses with side shields.

Other Protective Equipment: Wear impervious clothing and boots to prevent prolonged or repeated contact.

Hygienic Practices: Remove and wash contaminated clothing before reuse. Wash hands before eating.

Ventilation: Local exhaust.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: 212 ° F

Specific Gravity: 1.08

Odor: N/A

pH @ 5%: 12

Appearance: Watery clear, liquid

Evaporation Rate: Same as water

Solubility in Water: Completely

Vapor Pressure: Same as water

SECTION X - STABILITY AND REACTIVITY

Hazardous Polymerization: Will not occur.

Incompatibility: Strong acids and strong oxidizing agents.

Hazardous Decomposition Products: Carbon dioxide, carbon monoxide, and various hydrocarbons.

Stability: This product is stable at room temperature under normal storage conditions.

Prepared By: Sharon L. Haiser

Date Prepared: 12/12/01

Revision Date:

Supersedes:

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