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

This MSDS Complies With 29 CFR 1910.1200 (The Hazard Communication Standard)

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**SECTION I – PRODUCT IDENTIFICATION**

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**Product Name:** UltraKlean 4000K  
**Generic ID:** Alkaline Cleaner Concentrate  
**DOT Hazard Classification:** Non-Hazardous

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**SECTION II – HAZARDOUS INGREDIENTS**

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| <b>Hazardous Components:</b>                            | <b>OSHA<br/>PEL</b> | <b>ACGIH<br/>TLV</b> | <b>Other Limits<br/>Recommended</b> | <b>%<br/>Optional</b> |
|---------------------------------------------------------|---------------------|----------------------|-------------------------------------|-----------------------|
| Sodium Metasilicate<br>CAS#: 6834-92-0                  | N/E                 | N/E                  | None                                | 2-4 %                 |
| Trisodium Phosphate<br>CAS#: 7601-54-9                  | N/E                 | N/E                  | None                                | 2-6 %                 |
| Dipropylene Glycol Monomethyl Ether<br>CAS#: 34590-94-8 | 100 ppm–skin        | 100 ppm-skin         | (1)                                 | 1-3%                  |
| Propylene Glycol Monobutyl Ether<br>CAS#: 005131-66-8   | N/E                 | N/E                  | None                                | 2-4 %                 |
| Fatty Alcohol Polyglycol Ether<br>CAS#: 127036-24-2     | N/E                 | N/E                  | (2)                                 | 2-4 %                 |

(1): Skin absorption may contribute to the overall absorption of this material. Appropriate measures should be taken to prevent absorption so that the PEL/TLV are not invalidated. See section V OSHA/ACGIH Short Term Exposure Limit (STEL) on Dipropylene Glycol Monoethyl Ether is 150 ppm.

(2): Severe eye irritant. See effects of overexposure.

N/E = None Established

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**SECTION III – PHYSICAL DATA**

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**Boiling Point:** 212 °F  
**Vapor Pressure:** Same as water  
**Specific Gravity:** 1.107 – 1.116  
**Evaporation Rate:** Same as water  
**Appearance:** Clear, watery  
**State:** Liquid  
**Vapor Density:** Not determined  
**Solubility in Water:** Completely  
**pH (diluted 20:1):** 11.5

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**SECTION IV – FIRE AND EXPLOSION INFORMATION**

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**Flash Point:** None

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

**Extinguishing Media:** Foam, dry chemical, CO<sub>2</sub>, and water fog.

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

**Fire Fighting Procedures:** Use full protective equipment including self-contained breathing apparatus.

**NFPA Codes:** HEALTH – 1      FLAMMABILITY – 0      REACTIVITY – 1

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**SECTION V – HEALTH HAZARD DATA**

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**Effects of Acute Overexposure:**

**Eyes:** Can cause severe irritation possibly resulting in eye damage.

**Skin:** Can cause irritation, defatting, and dermatitis.

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

**Ingested:** Practically non-toxic.

**FIRST AID:**

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

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

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

**Ingested:** 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.

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**SECTION VI- REACTIVITY DATA**

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**Hazardous Polymerization:** Will not occur

**Stability:** Stable

**Incompatibility:** Strong acids and strong oxidizing agents.

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**SECTION VII – SPILL OR LEAK PROCEDURES**

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**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 all local, state, and federal regulations.

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**SECTION VIII – PROTECTIVE EQUIPMENT**

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**Respiratory Protection:** Normally not required

**Protective Gloves:** Nitrile/rubber gloves

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

**Other Protective Equipment:** To prevent prolonged or repeated skin contact, and wear impervious clothing and boots.

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**SECTION IX – SPECIAL PRECAUTIONS**

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Avoid eye contact. **DO NOT** use with strong acids or strong oxidizing agents. Keep from freezing. Keep out of the reach of children!!

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**SECTION X-REGULATORY INFORMATION**

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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 Right 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.

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**Sections 311 and 312**

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**Delayed (chronic) Health Hazard:** NO

**Fire Hazard:** NO

**Immediate (Acute) Health Hazard:** YES

**Reactive Hazard:** Strong Acids and Nitrates

**Sudden Release of Pressure Hazard:** NO

**Prepared By:** Kevin P. Kovanda

**Date Prepared:** 11/14/94

**Revision Date:** 01/13/05

**Supersedes:** 12/18/01

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