

MATERIAL SAFETY DATA SHEET

(PREPARED ACCORDING TO 29 CFR 1910.1200)

DATE PREPARED: 08/18/98

SECTION 1- PRODUCT IDENTIFICATION

Manufacturer: KaiVac, Incorporated
 Address: 401 S. Third St., Hamilton, OH 45011
 Trade Name: KaiBlooley
 Chemical Family: Mild Acids

Emergency Phone: InfoTrac 800-535-5053
 Information Phone: 800-267-1136
 Product Type: Acidic cleaning agent
 Formula: Proprietary

KaiBlooley**SECTION 2- INGREDIENTS**

| CHEMICAL NAME | CAS NO. | PERCENT: |
|-------------------------------------|---------------------------------------|----------|
| Water | 7732-18-8 | >55% |
| Citric Acid | 77-92-9 | 10% |
| Dipropylene Glycol Monomethyl Ether | 107-98-2 | 10% |
| NonylPhenoxyPolyethoxyethanol | 26027-38-3 | 10% |
| Phosphoric Acid | 7664-38-2 | 7% |
| Sulfamic Acid | 5329-14-6 | 5% |
| Wintergreen Perfume | Trade secret per perfume manufacturer | <0.5% |
| Blue Dye | Trade secret per dye manufacturer | <0.005% |

SECTION 3- PHYSICAL AND CHEMICAL DATA

| | | | |
|--|--|------------------------|--------------------|
| Boiling point (F): | 212 | Specific gravity: | 1.12 |
| pH: | 1.0 | Vapor Pressure (mmHg): | Same as water |
| Vapor Density (Air=1): | Same as water | Solubility in water: | Complete |
| Evaporation rate (vs. H ₂ O): | About the same | Ether=1: | >1 |
| Appearance and Odor: | Clear blue to green liquid with mint scent | %Volatile by volume: | N/E #/Gallon: 9.35 |

SECTION 4- FIRE AND EXPLOSION DATA

| | | | |
|-----------------------------------|---------------|--|-----|
| Flash point (TCC): | Non-flammable | Extinguishing media: | N/A |
| Special fire fighting procedures: | N/A | Unusual explosion and fire procedures: | N/A |

SECTION 5- REACTIVE DATA

| | | | |
|---------------------------|-----------------------|--------------------------|------------------------|
| Stability: | Stable | Incompatibility: | Strong Alkali |
| CONDITIONS TO AVOID: | Freezing temperatures | HAZARDOUS DECOMPOSITION: | Sulfur Dioxide in fire |
| HAZARDOUS POLYMERIZATION: | Will not occur | | |

SECTION 6- HEALTH HAZARD DATA

Threshold limit value product: None established
 Primary routes of exposure: Eye: X Skin: X Inhalations: X Ingestion: X Other:
 Signs and symptoms of over-exposure (Acute): Prolonged breathing of vapor can cause headache or irritation
 Signs and symptoms of over-exposure (Chronic): Material may defat skin on repeated exposure leading to dermatitis
 Carcinogenicity: NTP: NO IARC: NO OSHA: NO
 Signs and symptoms of exposure: Prolonged breathing of vapor can cause headache or irritation if misapplied. Can be irritating to eyes on direct contact.
 Medical conditions aggravated by exposure: Skin contact can aggravate existing dermatitis.
 Carcinogen or suspect carcinogen ingredients: This product contains no listed carcinogens.

SECTION 7- EMERGENCY AND FIRST AID PROCEDURES

Eyes: Flush eyes with running water for 15 minutes. Get medical attention if irritation persists.
 Skin: Wash skin with water then wash with soap and water. Get medical attention if irritation persists.
 Ingestion: Do not induce vomiting. Drink immediately copious amounts of cold water or milk as a diluent and administer by mouth a neutralizer such as magnesium oxide, milk of magnesia. Avoid carbonates and bicarbonates, because they release carbon dioxide, which produces gastric distention and sometimes rupture. Never attempt to give anything by mouth to an unconscious person. Call physician immediately.
 Inhalation: Remove to fresh air. Administer oxygen if breathing is difficult. Get medical attention.

SECTION 8- SPECIAL PROTECTION INFORMATION

Respiratory protection: Not required when used per label directions Ventilation requirements: None
 Protective gloves: Neoprene chemical resistant gloves recommended
 Other protective clothing: Chemical goggles and apron are recommended if splashing is possible
 Work hygienic practices: Avoid breathing vapor or spray mist. Wash hands thoroughly after contact and before breaks and meals.

SECTION 9- SPILL OR LEAK PROCEDURES

Steps to be taken if released or spilled: Dilute with water and pick up with mop, wet-vac pick-up or automatic scrubber. Floor may be slippery. Follow state and local regulations for disposal of large non-reclaimable spills.
 Waste disposal methods: Dilute and pour down sewer if local regulations permit.

SECTION 10- STORAGE AND HANDLING INFORMATION

Precautions to be taken in handling and storage: Keep container closed when not in use. Always follow label directions.

SHIPPING INFORMATION

UN 1805
 Class #8- Corrosive
 Packing Group III- Minor Danger

locations for use:

- schools
- universities
- factories
- airports
- stadiums
- convention centers
- restaurants
- office buildings
- hospitals
- nursing homes