

KNIGHT'S**MATERIAL SAFETY DATA SHEET**

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SECTION I - PRODUCT INFORMATION

Revised: February 10, 1995

PRODUCT NAME: **BUTLER MULTI-PURPOSE CLEANER**
 PRODUCT USE: General purpose cleaner
 HMIS RATING: HEALTH 1 FLAMMABILITY 0 REACTIVITY 0 PERSONAL PROTECTION B
 NFPA RATING: HEALTH 1 FLAMMABILITY 0 REACTIVITY 0

SECTION II - HAZARDOUS INGREDIENT INFORMATION (29 CFR 1910.1200)

| Chemical Name | CAS Number | % | Exposure Limits |
|---------------------|------------|---------|----------------------|
| Sodium Hydroxide | 1310-73-2 | 0.1-0.3 | TWA-2mg/kg (ceiling) |
| Sodium Metasilicate | 6834-92-0 | 0.1-1 | Not established |

SECTION III - PHYSICAL AND CHEMICAL CHARACTERISTICS

| | | | |
|-----------------------------|--------|----------------------|-------------|
| Physical State: | Liquid | Appearance: | Transparent |
| Odor: | Mild | pH: | 12.8 |
| Evaporation Rate (water=1): | >1 | Boiling Point: | ~212°F |
| Vapor Density (air=1): | >1 | Vapor Pressure: | ~18mm |
| Specific Gravity: | 1.014 | Solubility in Water: | Complete |
| | | Phosphorus: | None |

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

| | |
|-------------------------------------|----------------|
| Flash Point and Method: | None (TCC) |
| Flammable Limits: | Not applicable |
| Extinguishing Media: | Not applicable |
| Special Fire Fighting Procedures: | Not applicable |
| Unusual Fire and Explosion Hazards: | Not applicable |

SECTION V - REACTIVITY HAZARD DATA

| | |
|---------------------------------------|-------------------------|
| Stability: | Yes |
| Incompatibility (Materials to Avoid): | Strong oxidizing agents |
| Hazardous Decomposition Products: | Not determined |
| Hazardous Polymerization: | Will not occur |

SECTION VI - CONTROL AND PROTECTIVE MEASURES

| | |
|-------------------|--|
| Control Measures: | The use of rubber gloves is recommended for prolonged use. |
| Eye: | The use of safety glasses is recommended. |
| Respiratory: | Not applicable |
| Ventilation: | Not applicable |

BUTLER MULTI-PURPOSE CLEANER
SECTION VII - HEALTH HAZARD DATA

Primary Route of Entry: Skin and Eye

Effects of Acute Exposure - Toxicological Data (Based on a similar product):

Skin: May cause mild to moderate irritation. Primary Irritation Index score of 1.54 out of a possible 8.
LD50: 32cc/kg (Rabbit). Relatively harmless.

Eye: Will sting and cause reversible irritation. Draize score of 20 out of a possible 110 (Rabbit, unwashed)
clearing within 3 days with no cornea opacity and no damage to iris.

Oral: LD50: 13 cc/kg (Rat). Practically non-toxic.

Inhalation: LC50 > 200 mg/l (Rat). Practically non-toxic.

Effects of Chronic Exposure: None, based on ingredient safety data, supportive technical information, and extensive product history (over 10 years).

Medical Conditions Aggravated by Use: Persons with pre-existing skin disorders or sensitivity may be more susceptible to irritation.

Other Health Hazards (Carcinogenicity, Mutagenicity, Teratogenicity):

None, based on ingredient safety data, supportive technical information, and extensive product history (over 10 years).

SECTION VIII - FIRST AID PROCEDURES

Eye: Flush immediately with water for 15 minutes. Contact physician.

Skin: Flush with water for 15 minutes. Contact physician if irritation persists.

Inhalation: Not applicable

Ingestion: Drink plenty of water. Contact physician immediately.

SECTION IX - STORAGE, SPILL AND DISPOSAL INFORMATION

Leak and Spill Procedure: Where possible, salvage product and use for cleaning or use absorbent material to soak up spill. Thoroughly rinse with water.

Storage Requirements: Avoid freezing or excessive heat. Keep container closed. Keep out of reach of children.

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

SECTION X - SHIPPING REGULATIONS

DOT: Non-regulated

SECTION XI - OTHER REGULATORY INFORMATION

SARA TITLE III:

Ingredients in this product that may require reporting under Section 313 of SARA Title III: Glycol Ether (1-5%)

TSCA:

All of the ingredients in this product are on the Toxic Substance Control Act (TSCA) inventory.

The states of Massachusetts, New Jersey and Pennsylvania may require regulatory information not contained herein. If the product is intended for use in any of the aforementioned states, the additional information will be provided by the manufacturer upon request.

SECTION XII - MSDS PREPARATION INFORMATION

Prepared by: Gary M. Greco *Gary M. Greco* Date: 2/10/95

Sources: Ingredient MSDS's, RTECS - NIOSH, The Merck Index, Clinical Toxicology of Commercial Products, The New York Public Health Fact Sheets, TLV's - ACGIH

DISCLAIMER:

The information contained herein is based on data we believe to be reliable as of the date of preparation of this Material Safety Data Sheet. The accuracy and completeness of such data are not warranted or guaranteed. We cannot anticipate all conditions under which this information and our products, or the products of other manufacturers in business with our products may be used. We assume no liability or responsibility for loss or damage resulting from normal use or handling of our products, from incompatible product combinations, from the failure to follow instructions on the product's label and Material Safety Data Sheet, or from any failure to adhere to recommended practice.