

MATERIAL SAFETY DATA SHEET

BEE-CLENE

Date: 10/29/03
Supersedes: 12/28/00

HAZARD RATINGS (0-4)
FIRE 0 REACTIVITY 0
TOXICITY 1 SPECIAL

SUPPLIER: Midland Products
18600 Graphics Court Tinley Park, IL 60477
(708) 444-8200

**FOR CHEMICAL EMERGENCY
CALL 800-535-5053**

TRADE NAME: Bee-Clene
PRODUCT TYPE: Alkaline liquid hard surface cleaner
CHEMICAL FORMULA: Mixture
CHEMICAL NAME: N/A

COMPONENT LIST - SECTION I

<u>COMPONENT</u>	<u>CAS</u>	<u>REG#</u>	<u>%</u>	<u>TLV</u>	<u>OSHA</u>	<u>TLV</u>	<u>ACGIH</u>
Sodium Metasilicate	6834-92-0		3 - 5	N/A		N/A	N/A
Nonylphenol Ethoxylate	9016-45-9		1 - 2	N/A		N/A	N/A
Ethylene Glycol Monobutyl Ether*	111-76-2		3 - 6	25 ppm skin		25 ppm skin	

*This item is subject to reporting requirements under SARA III, Section 313.

PHYSICAL PROPERTIES - SECTION II

APPEARANCE: Clear purple liquid with sassafras odor
pH: 13+
VISCOSITY: 5.0 cps
FREEZING POINT: 32° F, water, F/T stable
BOILING POINT: 212° F, water
VAPOR PRESSURE: <18
VAPOR DENSITY: <1
SOLUBILITY IN WATER: Complete
VOLATILE (% WT): 90 - 95
SPECIFIC GRAVITY: 1.04
EVAPORATION RATE: <1

FIRE AND EXPLOSION HAZARD - SECTION III

FLASH POINT: None, water solution
LOWER EXPLOSION LIMIT: N/A UPPER EXPLOSION LIMIT: N/A
AUTO IGNITION TEMP: N/A
EXTINGUISHING MEDIUM: N/A
SPECIAL FIRE FIGHTING PROCEDURES:

Cool and use caution when approaching fire-exposed containers.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Containers may burst in heat of fire.

HEALTH HAZARDS - SECTION IV

THRESHOLD LIMIT VALUES: None established.
PRIMARY ROUTES OF EXPOSURE: Eye, skin
CARCINOGENS OR SUSPECTED CARCINOGENIC INGREDIENTS: None
EFFECTS OF OVEREXPOSURE:

If in eyes - Will cause severe persistent irritation.

If on skin - Will cause moderate irritation.

If inhaled - Spray mist or fog may cause irritation to nose, throat and lungs.

If swallowed - May cause corrosive damage to mouth, throat or stomach. Large oral doses may cause diarrhea, intestinal bleeding.

EMERGENCY AND FIRST AID PROCEDURES:

If in eyes: Flush thoroughly with water for at least 15 minutes. Hold eyelids apart to ensure flushing of entire eye surface. If irritation persists, seek medical attention.

If on skin: Flush thoroughly with water. Wash clothing before reuse.

If inhaled: Remove subject to fresh air. If distress persists, contact a physician.

If swallowed: Wash mouth with water. Give large amounts of water or milk to drink. Call a physician. Never give anything by mouth to an unconscious person.

REACTIVITY - SECTION V

STABILITY: Stable

CONDITIONS TO AVOID: None known.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may yield oxides of carbon.

HAZARDOUS POLYMERIZATION: Will not occur.

INCOMPATIBILITY (MATERIALS TO AVOID): Avoid strong acids (e.g. muriatic acid).

SPILLS OR LEAK PROCEDURE - SECTION VI

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

For small spills that can be handled routinely, mop up as much as possible, then flush residue into sanitary sewer system.

For large spills, collect with suitable absorbant, sweep up and place bulk material in container for disposal under current Local, State and Federal regulations.

WASTE DISPOSAL METHODS:

Waste from normal product use can be flushed to sanitary sewer which leads to sewage treatment facility.

Undiluted, this product is regulated by RCRA for disposal as a corrosive waste. Regulated quantities should be disposed of by neutralization at a permitted facility in accordance with Local, State and Federal regulations.

SPECIAL PROTECTION - SECTION VII

VENTILATION TYPE: General room ventilation is normally adequate. Substantial misting can be controlled with local exhaust.

RESPIRATORY PROTECTION: None needed under normal use conditions. If mists are not controlled by local exhaust, use NIOSH approved respiratory equipment.

PROTECTIVE GLOVES: Impervious

EYE PROTECTION: Safety glasses if splashing is likely.

OTHER PROTECTIVE EQUIPMENT: Use good personal hygiene practices. Eye wash, safety shower.

STORAGE AND HANDLING - SECTION VIII

Keep from freezing. Store at 50° - 120° F.

Protect food products and packaging before using this product.

SHIPPING - SECTION IX

PROPER SHIPPING NAME: Compounds, Cleaning Liquid (Contains Sodium Hydroxide)

U.S. DOT HAZARD CLASS: 8, NA 1760, PG III

LABEL REQUIREMENTS: Corrosive

For gallons in 4 X 1 carton:

PROPER SHIPPING NAME: Consumer Commodity, ORM-D

U.S. DOT HAZARD CLASS:

LABEL REQUIREMENTS: Consumer Commodity, ORM-D

MISCELLANEOUS - SECTION X

ABBREVIATIONS:	N/A: Not applicable	UNK: Unknown
	N/D: Not determined	< : Less than
	N/E: Not established	> : Greater than

PREPARED BY: John Roth