

# MATERIAL SAFETY DATA SHEET

## BI-O-KLEEN INDUSTRIES, INC

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### SECTION 1. COMPOSITION/INFORMATION ON INGREDIENTS

Product Name: Bi-O-Kleen All Purpose Cleaner  
Chemical Name: Surfactant Mixture  
Chemical Family: Water base Cleaning Compound  
Date Issued: April 26, 1993  
Date Revised: March 22, 2003

HMIS RATING	
Health	1
Fire	0
Reactivity	0
PPE	A

### SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT CAS#	%	SARA TITLE III	PEL	TLV
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This product contains water-base detergents materials not listed by the ACGIH as hazardous.  
Components listed as a suspected carcinogen: None

### SECTION 3. HAZARDS IDENTIFICATION

Health Hazards (Acute and Chronic):

Effects of Overexposure: TLV not established for product.

Primary Routes of Entry: Ingestion, Inhalation, Skin and Eye Contact.

ACUTE:

EYE CONTACT: May cause irritation.

SKIN: Not expected to be a hazard with normal use.

INHALATION: Not expected to be a hazard with normal use.

INGESTION: May cause nausea, vomiting, and/or diarrhea.

CHRONIC: Prolonged or repeated contact may result in defatting of skin. Persons with pre-existing skin disorders may be more susceptible to the effects of the contact.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None reported.

## **Bi-O-Kleen All Purpose Cleaner**

### **SECTION 4. FIRST AID MEASURES**

Emergency and First Aid Procedures.

- IF IN EYES:** Immediately flush with large quantities of clean water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get medical attention if irritation persists.
- IF ON SKIN:** Rinse exposed area with clean water for at least 15 minutes. Remove contaminated clothing. Launder contaminated clothing before reuse. Get medical attention if irritation persists.
- IF SWALLOWED:** **DO NOT INDUCE VOMITING.** Drink two glasses of water or milk. Never give anything orally to an unconscious or convulsing person. Get prompt medical attention.
- IF BREATHED:** Remove person to fresh air. If breathing is difficult, administer oxygen. If not breathing, give artificial respiration. Get prompt medical attention.

### **SECTION 5. FIRE FIGHTING MEASURES**

- FLASH POINT (PMCC):** Not Flammable
- FLAMMABLE LIMITS IN AIR:** Not Determined.
- EXTINGUISHING MEDIA:** Dry Chemical, carbon dioxide, foam, or water fog. Class BC or ABC fire extinguisher.
- SPECIAL FIRE FIGHTING PROCEDURES:** Self-contained positive pressure breathing apparatus and protective clothing should be worn in fighting fires involving chemicals.
- UNUSUAL FIRE AND EXPLOSION HAZARDS:** None known.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Not Determined For Product.

### **SECTION 6. SPILL OR LEAK PROCEDURES**

Steps to be taken in case material is released or spilled: Use required personal protective equipment when entering spill area. Avoid entering spill area; spilled material may be extremely slippery.

- SMALL SPILL:** Release of small amounts to sanitary sewer is inherent with normal end use. Use appropriate absorbent material to absorb residual material and transfer absorbed material to containers for disposal.
- LARGE SPILL:** Stop spill at source using dam, dike or divert techniques to prevent spill from spreading. Salvage any free product for reuse, if possible. Use absorbent to absorb any residual material. Transfer into container for disposal in Class D landfill pending approval. Follow up with water flush.

### **SECTION 7. HANDLING AND STORAGE**

Preferred storage is between 60 and 100 deg. F. Keep Container closed when not in use. If container is to be returned or recycled, make sure container is drip dry.

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### **SECTION 8. EXPOSURE CONTROLS, PERSONAL PROTECTION EQUIPMENT**

Occupational Exposure Limits:

ACGIH TLV	TLV(C)	STEL	OSHA STEL	PEL
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None established for product.

RESPIRATORY PROTECTION:	None normally required under normal use.
VENTILATION	Provide sufficient general and/or local exhaust during normal use.
PROTECTIVE GLOVES:	For Prolonged Contact use Nitrile or Neoprene rubber gloves.
EYE PROTECTION:	Chemical splash goggles recommended.

OTHER PROTECTIVE EQUIPMENT: None normally needed.

### **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Boiling Point:	Approx. 210 deg. F. (Water)
Vapor Pressure:	Same as for Water (1)
Vapor Density:	Not Available
Specific Gravity:	1.0
Percent Volatiles:	Less than 1%
Evaporation Rate:	Same as water.
Appearance and odor:	Slight Amber Clear Solution. Mild Citrus Odor
pH:	7.5 ± 0.5
Solubility:	100% in water.

### **SECTION 10. STABILITY AND REACTIVITY**

STABILITY:	Product is stable
HAZARDOUS POLYMERIZATION:	Will not occur.
INCOMPATIBILITY:	Strong Oxidizing Agents.
CONDITIONS TO AVOID:	Strong Oxidizing Agents.

### **SECTION 11. TOXICOLOGICAL INFORMATION**

Substance	Specie	LD50
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No Data Available product or ingredients.

CARCINOGENICITY: The NTP, IARC, or OSHA does not consider this product or its components to be carcinogenic.

### **SECTION 12. ECOLOGICAL INFORMATION**

None Available For Product

### **SECTION 13. DISPOSAL CONSIDERATIONS**

EPA HAZARDOUS WASTE CODE: NONE

Product must be disposed of properly under Federal and State regulations for industrial wastes. Recommended disposal is incineration or Disposal in a Class D landfill of absorbed wastes pending approval. As delivered, this product when spilled, released or disposed of, is a non-hazardous waste as defined in RCRA regulations 40 CFR Part 261.

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**SECTION 14. TRANSPORTATION INFORMATION**

DOT PROPER SHIPPING NAME: Bi-O-Kleen All Purpose Cleaner  
DOT HAZARD CLASS: Not Regulated  
DOT IDENTIFICATION NO. None  
DOT PACKING GROUP: None  
DOT RQ FOR PRODUCT: NA  
DOT MARINE POLLUTANT: NA  
EMERGENCY RESPONSE GUIDE NUMBER: None

**CANADIAN TDG/WHMIS REGULATIONS:**

TDG NAME: Bi-O-Kleen All Purpose Cleaner  
TDG CLASS: Not Regulated  
PIN NUMBER: None  
WHMIS: D 2 B

**SECTION 15. REGULATORY INFORMATION**

TSCA: The ingredients of this product are on the TSCA inventory.

**SARA TITLE III HAZARD CATEGORIES**

SECTION 311: ACUTE: YES CHRONIC: NO  
SECTION 313: NONE  
FIRE HAZARD: NO  
REACTIVE HAZARD: NO  
SUDDEN RELEASE OF PRESSURE: NO

PROPOSITION 65: NONE

**STATES RIGHT TO KNOW**

MASSACHUSETTS: NONE  
PENNSYLVANIA: NONE

CALIFORNIA SCAQMD: NONE

EEC Classification: Irritant

This product, as delivered, is not regulated as a hazardous substance.

**SECTION 16. OTHER INFORMATION**

**PLEASE NOTE!** Use only as directed. Do not mix with other chemicals unless advised by supplier.