

# MATERIAL SAFETY DATA SHEET

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## Section 1. Chemical Product and Company Identification

Product Code BIS32-128"1	
Product Name BIS INDUSTRIAL STRENGTH CLEANER	
Manufacturer's Name Mark V Laboratory, Inc.	Emergency Telephone Number CHEMTREC 800-424-9300
Address (Number, Street, City, State, and ZIP Code) 18 Kripes Road	Telephone Number For Information (860) 653-7201
Post Office Box 540	Date Prepared July 1, 2013
East Granby, Connecticut 06026	Signature of Preparer (optional)

## Section 2. Composition / Information on Ingredients

Component	CAS Registry #	wt. %	Exposure Limits	
			ACGIH TLV	OSHA PEL
2-Butoxyethanol	111-76-2	<7.0	25ppm-skin	25ppm-skin
Sodium Metasilicate	6834-92-0	<7.0	15mg/m3	10mg/m3

## Section 3. Hazards Identification

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### EMERGENCY OVERVIEW

**DANGER:** Corrosive. May cause irritation of the skin and respiratory tract. May be absorbed through the skin.

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### POTENTIAL HEALTH EFFECTS:

**EYE CONTACT:** Causes severe irritation experienced as discomfort or pain, excess blinking and tear production, with redness and swelling of the conjunctiva.

**INHALATION:** High concentrations of vapor or mists may cause irritation of the respiratory tract

**SKIN CONTACT:** Brief contact may cause slight irritation. Prolonged contact may cause more severe irritation with pain, local redness, and swelling

**INGESTION:** May cause headache, dizziness, incoordination, nausea, vomiting, diarrhea, and general weakness

**CHRONIC/LONG TERM EFFECTS:** 2-Butoxyethanol has caused red blood cell hemolysis in lab Animals and secondary injury to the liver and kidney

**OVEREXPOSURE:** Dermal exposure may cause local redness and swelling, pain and discomfort. Prolonged skin contact may result in absorption of harmful amounts.

**TARGET ORGAN EFFECTS:** Lungs and upper respiratory tract, eyes, skin, liver, kidney

**REPRODUCTIVE/DEVELOPMENTAL:** No data

**CARCINOGENIC:** Not listed by IARC, NTP, or OSHA

Product: Industrial Strength Cleaner

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**Section 4. First Aid Measures**

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**INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen

**EYE CONTACT:** Immediately flush eyes with plenty of water for 15 minutes. Get medical attention immediately

**SKIN CONTACT :**Immediately flush skin with plenty of water for 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Get medical attention

**INGESTION:** Seek medical attention immediately. Call a poison control center or doctor for treatment advice. Have person sip a glass of water if able to swallow. Never give anything by mouth to an unconscious person

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**Section 5. Fire Fighting Measures**

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**FLAMMABLE PROPERTIES:**

FLASH POINT: None METHOD USED: N/A

**FLAMMABLE LIMITS**

LFL: N/A UFL: N/A

**EXTINGUISHING MEDIA:** Use appropriate measures for combating surrounding fire

**FIRE & EXPLOSION HAZARDS:** N/A

**FIRE FIGHTING INSTRUCTIONS:** Wear a self contained breathing apparatus with a full face piece operated in the positive pressure mode. Chemical resistant PPE is recommended

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**Section 6. Accidental Release Measures**

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Stop all leaks. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Absorb spill with inert material (dry sand, earth). Prevent runoff from entering drains, sewers or bodies of water

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**Section 7. Handling and Storage**

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Follow all MSDS/label precautions even after container is emptied. Use with adequate ventilation. Do not get in eyes, on skin or clothing.

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**Section 8. Exposure Controls / Personal Protection**

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**ENGINEERING CONTROLS:** Good general ventilation required

**RESPIRATORY PROTECTION:** Organic vapor and particulate cartridge as required

**SKIN PROTECTION:** Impervious gloves clothing and boots

**EYE PROTECTION:** Safety glasses or goggles

Product: Industrial Strength Cleaner

**Section 9. Physical and chemical Properties**

<b>APPEARANCE:</b>	Clear Red Liquid	<b>PHYSICAL STATE:</b>	Liquid
<b>BOILING POINT:</b>	212 Deg F	<b>SOLUBILITY in WATER:</b>	Complete
<b>EVAPORATION RATE:</b>	(Butyl Acetate=1) N/E	<b>SPECIFIC GRAVITY:</b>	(H2O=1) 1.07
<b>FREEZING POINT:</b>		<b>VAPOR DENSITY:</b>	(Air=1) N/E
<b>MELTING POINT:</b>	N/A	<b>VAPOR PRESSURE:</b>	(mmHg) N/E
<b>MOLECULAR WEIGHT:</b>		<b>VISCOSITY:</b>	
<b>ODOR:</b>	Butyl odor	<b>% VOLATILE:</b>	
<b>pH:</b>	12.0 (concentrate)		

**Section 10. Stability and Reactivity****CHEMICAL STABILITY:** Stable**INCOMPATIBILITY:** High temperature, Strong acids, alkalis, oxidizing agents**HAZARDOUS DECOMPOSITION PRODUCTS:** None**HAZARDOUS POLYMERIZATION:** Will not occur**Section 11. Toxicological Information**

2-Butoxyethanol: SKIN-Rabbit; 24 hr uncovered-minimal erythema in 2/5 no irritation 3/5

**Section 12. Ecological Information****ECOTOXICOLOGICAL INFORMATION:** 2-butoxyethanol: Toxicity to fish-fathead minnow;  
96h;LC50 Results: 1700 mg/l**Section 13. Disposal Considerations**

Dispose of waste according to local, state and federal regulations.

Product: Industrial Strength Cleaner

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**Section 14. Transport Information (Not meant to be all inclusive)**

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D.O.T. SHIPPING NAME: Corrosive Liquid  
TECHNICAL SHIPPING NAME: Corrosive Liquid, Basic, Inorganic, N.O.S.  
D.O.T. HAZARD CLASS: 8  
U.N. / N.A. NUMBER: UN3266  
PRODUCT RQ (LBS): N/A  
D.O.T. LABEL: CORROSIVE  
D.O.T. PLACARD: N/A  
FREIGHT CLASS BULK: N/A  
FREIGHT CLASS PACKAGE: N/A  
PRODUCT LABEL: BGP-32 - 128

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**Section 15. Regulatory Information (Not meant to be all inclusive - selected regulation represented)**

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OSHA STATUS: Yes

TSCA STATUS: The intentional ingredients of product are listed

CERCLA REPORTABLE QUANTITY: N/A

SARA TITLE III:

SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES: YES

SECTION 311/312 HAZARDOUS CATEGORIES: Acute / Chronic

SECTION 313 TOXIC CHEMICALS: YES

RCRA STATUS: Determined by user

CALIFORNIA PROPOSITION 65: YES

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**Section 16. Other Information**

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NOTE: The information on this data sheet represents our current data and best opinion as to the proper use in handling of this product under normal conditions. Any use of the product which is not in conformance with this Data Sheet or which involves using the product in combination with any other product or any other process is the responsibility