

SAFETY DATA SHEET

Revision Date: April 10, 2014

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SECTION 1: IDENTIFICATION

Product Identifier

Product Name: Chem Mark Concentrate Mark 80BC

Recommended Use of the Chemical and Restrictions on Use

Recommended Use: Low Sudsing Glassware Detergent

Details of the Supplier of the Safety Data Sheet

Supplier Address: Luseaux Laboratories, Inc. Luseaux Laboratories Inc.
4625 N Santa Fe Drive or 16816 Gramercy Place
Kingman, AZ 86401 Gardena, CA 90247

Emergency Telephone Number

Company Phone Number: Arizona Location: 928-692-0192
California Location: 310-324-1555

Emergency Telephone: CHEMTREC: 1-800-424-9300

SECTION 2: HAZARDS IDENTIFICATION

Appearance: Clear Yellow Liquid

Physical State: Liquid

Odor: Lemon

Classification

Serious eye damage/eye irritation	Category 2
Carcinogenicity	Category 2



Hazards Not Otherwise Classified (HNOC)

Causes mild skin irritation

Signal Word

Warning

Hazard Statements

Causes serious eye irritation
Suspected of causing cancer.

Precautionary Statements – Prevention

Wash face, hands and any exposed skin thoroughly after handling.
Wear eye/face protection

Precautionary Statements – Response

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Get medical advice/attention.
IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: get medical advice/attention. Take off contaminated clothing and shoes and wash before reuse.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS
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Chemical Name	CAS No	Weight %
Tetrasodium ethylenediamine tetraacetate	64-02-8	Not identified*
Ethylene Glycol Monobutyl Ether	111-76-2	1-10
Nitrilotriacetate, trisodium salt	5064-31-3	0.1

*The specific percentages are not identified due to "Trade Secret" status. In emergency situation, further information may be obtained by calling the emergency information number listed above.

Reference 29 CFR 1910.1200

SECTION 4: FIRST AID MEASURES

First Aid Measures

Eye Contact	Hold eye open and rinse slowly and gently with water for 15 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Get medical advice/attention.
Skin Contact	Wash with plenty of soap and water. If skin irritation occurs: get medical advice/attention. Take off contaminated clothing and shoes and wash before reuse.
Inhalation	Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Call a physician or poison control center immediately.
Ingestion	Rinse mouth. Drink plenty of water. Induce vomiting, but only if victim is fully conscious. Call a physician.

Most Important Symptoms and Effects, both Acute and Delayed

Symptoms	Direct contact may cause painful stinging or burning of eyes and lids, watering of eye, and irritation. May cause irritation to the mucous membranes and upper respiratory tract. May cause skin irritation and de-fatting of skin with repeated/prolonged contact. May cause headache, dizziness, and nausea if ingested. Ingestion may lead to tumors of the urinary tract and kidneys
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Indication of any Immediate Medical Attention and Special Treatment Needed

Note to Physicians	Treat symptomatically. Dermatitis or other pre-existing skin conditions may be aggravated by overexposure to this product.
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SECTION 5: FIRE-FIGHTING MEASURES
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Suitable Extinguishing Media

Alcohol foam, water fog, carbon dioxide, or dry chemical.

Unsuitable Extinguishing Media: Not determined

Specific Hazards Arising from the Chemical

None known

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSNA/NIOSH (approved or equivalent) and full protective gear.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions: Use personal protective equipment as required in sections 7 and 8.

Environmental Precautions: Prevent material from entering surface water, drains or sewers and open soil.

Methods and Material for Containment and Cleaning Up

Methods for Containment: Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up: Small spills may be permitted to be flushed to a sanitary sewer. Check with local authorities before proceeding. Dike to collect large liquid spills. Absorb spillage with non-combustible, absorbent material. Place collected waste in DOT approved containers for disposal.

SECTION 7: HANDLING AND STORAGE
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Precautions for Safe Handling

Advice on Safe Handling: Wash thoroughly after handling. Use personal protection recommended in Section 8.

Conditions for Safe Storage, Including and Incompatibilities

Storage Conditions: Keep containers tightly closed in a dry, cool and well-ventilated place. Store away from food stuffs. Avoid extreme heat.

Incompatible Materials: Strong oxidizing agents

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Ethylene Glycol Monobutyl Ether, 111- 76-2	TWA: 20 ppm S	TWA: 50 ppm S	-

Appropriate Engineering Controls

Engineering Controls Apply technical measures to comply with occupational exposure limits.

Individual Protections Measures, such as Personal Protective Equipment

Eye/Face Protection: Wear goggles or chemical safety glasses

Skin and Body Protection: Wear rubber or plastic gloves

Eye Contact	Causes serious eye irritation.
Skin Contact	Avoid contact with skin.
Inhalation	Avoid breathing vapors or mists.
Ingestion	Do not taste or swallow.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Trade Secret	-	> 4640 mg/kg (Rabbit)	-
Ethylene Glycol Monobutyl Ether, 111-76-2	= 470 mg/kg (Rat)	= 2270 mg/kg (Rat) = 220 mg/kg (Rabbit)	= 2.21 mg/L (Rat) 4h = 450 ppm (Rat) 4h
Trade Secret	= 7200 mg/kg (Rat)	-	-
Tetrasodium ethylenediamine tetraacetate 64-02-8	= 3030 mg/kg (Rat)	> 5,000 mg/kg (Rabbit)	-

Information on Physical, Chemical and Toxicological Effects

Symptoms Please see section 4 of this SDS for symptoms.

Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen. However, the product as a whole has not been tested.

Chemical Name	ACGIH	IARC	NTP	OSHA
Ethylene Glycol Monobutyl Ether, 111-76-2	A3	Group 3		
Tetrasodium ethylenediamine tetraacetate 64-02-8		Group 2B		

Legend

ACGIH (American Conference of Governmental Industrial Hygienists)
Group 2B – Possibly Carcinogenic to Humans
A3 – Animal Carcinogen
IARC (International Agency for Research on Cancer)
Group 3 IARC components are “not classifiable as human carcinogens”

Numerical Measures of Toxicity-Product

Not determined

SECTION 12: ECOLOGICAL INFORMATION

Not determined.

SECTION 13: DISPOSAL CONSIDERATIONS
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Waste Treatment Methods

Disposal of Wastes Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging Disposal should be in accordance with applicable regional, national and local laws and regulations.

SECTION 14: TRANSPORT INFORMATION
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DOT Not regulated

IATA Not regulated

IMDG Not regulated

SECTION 15: REGULATORY INFORMATION

International Inventories**Legend:**

Not determined

US Federal Regulations**SARA 313**

Chemical Name	CAS No	Weight %	SARA 313 – Threshold Values %
Ethylene Glycol Monobutyl Ether	111-76-2	1-10	1.0

US State Regulations

Calif. Prop. 65 Warning: This product contains a trace amount of one or more of the chemicals on the California list of known carcinogens or substances known to cause birth defects or other reproductive harm. These are not added to the product but occur naturally in the raw materials or processing equipment.

SECTION 16: OTHER INFORMATION

<u>HMIS</u>	Health Hazards	Flammability	Reactivity	Personal Protection
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Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of publication. The information is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet