Safety Data Sheet

Issue Date: 20-Jul-2013	Revision Date: 03	3-Jul-2014			Version
1. IDENTIFICATION					
Product Identifier Product Name	Micro Matic Beer Line Clea	ner			
Other means of identification SDS #	BDP-003				
Product Code UN/ID No	MM-B68, MM-B15G and MI UN1824	M-B55G			
Recommended use of the chemic Recommended Use	cal and restrictions on use Draft line cleaner.				
Details of the supplier of the safe Supplier Address BDP Innovative Chemicals 4393 Virginia Dr. Orlando, FL 32814	ety data sheet				
Emergency Telephone Number407-927-3960Company Phone Number407-927-3960Emergency Telephone (24 hr)Chemtrec 1-800-424-9300 (North America) 1-703-527-3887 (International)					
	2. HAZARDS IDE	ENTIFICATION			
Appearance Blue liquid	Physical Stat	te Liquid		Odor	No distinct odd
Classification_					
Skin corrosion/irritation Serious eye damage/eye irritation			Category 1 Category 1	Sub-cate	gory B
Hazards Not Otherwise Classifier May be harmful in contact with skin					
<u>Signal Word</u> Danger					
Hazard Statements Causes severe skin burns and eye	damage				
Precautionary Statements - Prev Do not breathe dust/fume/gas/mist/ Wash face, hands and any exposed	vapors/spray				

Wash face, hands and any exposed skin thoroughly after handling Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response

Immediately call a poison center or doctor/physician

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing Immediately call a poison center or doctor/physician

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

Wash contaminated clothing before reuse

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

Immediately call a poison center or doctor/physician

IF SWALLOWED: rinse mouth. Do NOT induce vomiting

Precautionary Statements - Storage

Store locked up

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Other Hazards

Harmful to aquatic life with long lasting effects

Unknown Acute Toxicity

2.705% of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
water	7732-18-5	60-65
Caustic Soda	1310-73-2	30-35
Sodium gluconate	527-07-1	1-10
Proprietary Surfactant	Proprietary	1-10
Proprietary Surfactant	Proprietary	<1

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST-AID MEASURES

First Aid Measures

General Advice	Immediately call a poison center or doctor/physician.
Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Immediately call a poison center or doctor/physician.
Skin Contact	Wash off immediately with plenty of water for at least 15 minutes.
Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a poison center or doctor/physician.
Ingestion	Rinse mouth. Do not induce vomiting. Immediately call a poison center or doctor/physician. Immediately give 3-4 glasses of milk, egg whites or gelatin solution (if none, give water for dilution). Never give anything by mouth to a person who is unconscious or convulsing.

Most important symptoms and effects

Symptoms	Causes severe skin burns and eye damage.
Indication of any immediate medica	I attention and special treatment needed
Notes to Physician	Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Water spray (fog). Foam. Halon. Carbon dioxide (CO2). Dry chemical. Any "ABC" class.

Unsuitable Extinguishing Media Not determined.

Specific Hazards Arising from the Chemical

This product is corrosive and presents a significant contact hazard to firefighters. This product is not flammable however, it does react with water causing an exothermic reaction which will result in the severe spattering of the product. When involved in a fire, this material may decompose and produce caustic vapors and toxic gases (e.g. oxides of sodium and carbon).

Hazardous Combustion Products Carbon monoxide. Carbon dioxide (CO2). Sodium oxides.

Sensitivity to Mechanical Impact Not sensitive. Sensitivity to Static Discharge Not sensitive.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Chemical resistant clothing may be necessary. Move containers from fire area if you can do so without risk. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply. Will ignite combustible materials (wood, paper, oil, debris, etc.).

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions	Uncontrolled releases should be responded to by appropriately trained personnel in proper personal protective equipment, using pre-planned procedures.
Environmental Precautions	See Section 12 for additional Ecological Information.
Methods and material for containm	ent and cleaning up
Methods for Containment	Keep unnecessary and unprotected personnel from entering contaminated area. Absorb material with an inert material. Prevent from entering drains, sewers, or other bodies of water, absorb unrecoverable product. Transfer contaminated material to containers for disposal.
Methods for Clean-Up	Absorb spilled liquid with polypads or other suitable absorbent materials. Neutralize residue with citric acid or other neutralizing agents for basic materials.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling

Do not breathe dust/fume/gas/mist/vapors/spray. Wash face, hands, and any exposed skin thoroughly after handling. Wear protective gloves/protective clothing and eye/face protection. Do not eat, drink, smoke, or apply cosmetics while handling this product. Remove contaminated clothing and shoes.

Conditions for safe storage, including any incompatibilities

Storage Conditions	Keep container tightly closed and store in a cool, dry and well-ventilated place. Store locked up. Protect from direct sunlight. Keep away from heat. Keep from freezing. Store in a corrosion-proof area. Keep away from food, drink and animal feeding stuffs.
Incompatible Materials	Avoid contact with water as exothermic reaction may result. Strong acids. Organic halogen compounds. Organic nitro compounds. Aluminum. Zinc. Tin. Organic compounds such as leather and wool.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Caustic Soda	Ceiling: 2 mg/m ³	TWA: 2 mg/m ³	IDLH: 10 mg/m ³
1310-73-2		(vacated) Ceiling: 2 mg/m ³	Ceiling: 2 mg/m ³

Appropriate engineering controls

Engineering Controls	Apply technical measures to comply with the occupational exposure limits. Showers. Eyewash stations.
Individual protection measures, su	ich as personal protective equipment
Eye/Face Protection	Splash goggles or safety glasses. Face shields are recommended when the operation can generate splashes, sprays, or mists.
Skin and Body Protection	Wear neoprene or vinyl gloves for routine industrial use. Apron, coveralls, boots as necessary to prevent skin contact.
Respiratory Protection	Ensure adequate ventilation, especially in confined areas. In case of inadequate ventilation or risk of inhalation of vapors, use suitable respiratory equipment.
General Hygiene Consideration	is Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical	State
Appeara	nce
Color	

Liquid Blue liquid Blue

Odor Odor Threshold No distinct odor Not Established

Property	Values	Remarks • Method
рН	13.5	
Melting Point/Freezing Point	0 °C / 32 °F	
Boiling Point/Boiling Range	119 °C / 246.2 °F	
Flash Point	Not flammable	
Evaporation Rate	Similar to water	(Water = 1)
Flammability (Solid, Gas)	Not determined	
Upper Flammability Limits	Not applicable	
Lower Flammability Limit	Not applicable	
Vapor Pressure	76 mm Hg	@ 60°C
•	5	@ 60 C
Vapor Density	Not determined	
Specific Gravity	1.33	@ 15.6°C
Water Solubility	Not determined	
Solubility in other solvents	Not determined	
Partition Coefficient	Not determined	
Auto-ignition Temperature	Not flammable	
Decomposition Temperature	Not determined	
Kinematic Viscosity	Not determined	
Dynamic Viscosity	Not determined	
Explosive Properties	Not determined	
Oxidizing Properties	Not determined	
Density	11.11 lb/ gal @15.6	
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10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous Polymerization Under normal conditions of storage and use, hazardous polymerization will not occur.

Conditions to Avoid

Incompatible Materials. Extreme temperatures.

Incompatible Materials

Avoid contact with water as exothermic reaction may result. Strong acids. Organic halogen compounds. Organic nitro compounds. Aluminum. Zinc. Tin. Organic compounds such as leather and wool.

Hazardous Decomposition Products

Carbon monoxide. Carbon dioxide (CO2). Sodium oxides.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Causes severe eye damage.
Causes severe skin burns. May be harmful in contact with skin.
Do not inhale.
Do not taste or swallow.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Caustic Soda 1310-73-2	-	= 1350 mg/kg (Rabbit)	-
Proprietary Surfactant	= 2100 mg/kg (Rat)	> 6310 mg/kg (Rabbit)	-

Information on physical, chemical and toxicological effects

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 This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Numerical measures of toxicity

Not determined

Unknown Acute Toxicity

2.705% of the mixture consists of ingredient(s) of unknown toxicity.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Harmful to aquatic life with long lasting effects.

Component Information

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Caustic Soda		45.4: 96 h Oncorhynchus		
1310-73-2		mykiss mg/L LC50 static		
Proprietary Surfactant	19.6: 96 h Pseudokirchneriella subcapitata mg/L EC50	8132: 96 h Pimephales promelas mg/L LC50 330: 96 h Lepomis macrochirus mg/L LC50 static		297: 48 h Daphnia magna mg/L EC50

Persistence/Degradability

Not determined.

Bioaccumulation

Not determined.

<u>Mobility</u>

Chemical Name	Partition Coefficient
Proprietary Surfactant	-3.53

Other Adverse Effects

Not determined

13. DISPOSAL CONSIDERATIONS

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.

California Hazardous Waste Status

Chemical Name	California Hazardous Waste Status
Caustic Soda	Toxic
1310-73-2	Corrosive

14. TRANSPORT INFORMATION

<u>Note</u>	Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.
<u>DOT</u> UN/ID No Proper Shipping Name Hazard Class Packing Group	UN1824 Sodium hydroxide solution 8 II
<u>IATA</u> UN/ID No Proper Shipping Name Hazard Class Packing Group	UN1824 Sodium hydroxide solution 8 II
IMDG UN/ID No Proper Shipping Name Hazard Class Packing Group Marine Pollutant	UN1824 Sodium hydroxide solution 8 II This material may meet the definition of a marine pollutant

15. REGULATORY INFORMATION

International Inventories

TSCA	Listed
DSL	Listed

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory **DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

US Federal Regulations

CERCLA

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Caustic Soda	1000 lb		RQ 1000 lb final RQ
1310-73-2			RQ 454 kg final RQ

SARA 313

Not determined

CWA (Clean Water Act)

Component	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Caustic Soda	1000 lb			Х
1310-73-2 (30-35)				

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Caustic Soda	Х	Х	Х
1310-73-2			

16. OTHER INFORMATION NFPA Instability **Special Hazards Health Hazards** Flammability Not determined 3 0 1 **Personal Protection** HMIS **Health Hazards** Flammability **Physical Hazards** Not determined 3 0 1 **Issue Date:** 20-Jul-2013 **Revision Date:** 03-Jul-2014 **Revision Note:** New format

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a 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