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**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION****Material Identity Product**

Name: Blue Ice

Product Code: MC-102

**Company:**

MEI-CHA Global

75 Bunsen

Irvine, CA 92620

**Emergency Telephone Number:**

949-788-0882

9:00 a.m. to 4:00 p.m. PST

Monday through Friday

**Contact:**

Eric Chou

**Date Prepared:**

January 1, 2016

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**2. COMPOSITION/INFORMATION ON INGREDIENTS**

Ingredients	OSHA PEL <sup>1</sup>	ACGIH TLV <sup>2</sup>	CAS Number	% by weight
Purified Water			7732-18-5	>50%
Ethoxydiglycol			111-90-0	10-25%
Lidocaine HCl			6108-05-0	4%
Propylene Glycol			57-55-6	1 – 5%
Tetracaine HCl			136-47-0	2%
Hydroxyethylcellulose			9004-62-0	1 – 5%
Sodium Metabisulfite			7681-57-4	0.1 – 1%
L-Epinephrine			51-43-4	0.02%
Diazolidinyl Urea			78491-02-8	0.1 – 1%
Disodium EDTA			6381-92-6	0.1 – 1%
Methyl Paraben			99-76-3	0.1 – 1%
Propyl Paraben	none listed	5 mg/m <sup>3</sup>	94-13-3	0.1 – 1%
Sodium Citrate			6132-04-3	0.1 – 1%
Citric Acid			77-92-9	0.1 – 1%
FD&C Yellow 5			1934-21-0	<0.1%
FD&C Blue 1			3844-45-9	<0.1%

<sup>1</sup> – OSHA PEL – Occupational Safety and Health Association Permissible Exposure Limit<sup>2</sup> – ACGIH TLV – American Conference of Governmental Industrial Hygienists Threshold Limit Value

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**3. HAZARDS IDENTIFICATION****Potential Health Effects**

Eye: Avoid eye contact. Potential irritant.

Skin: Potential irritant. Avoid prolonged contact with skin. Repeated contact may cause mild allergic dermatitis.

Ingestion: Do not ingest. May cause gastrointestinal irritation. Repeated daily ingestion may cause damage to nervous system or ocular tension.

Inhalation: Breathing vapors or small amounts of this material during normal handling may cause irritation or mild anesthetic effects.

Signs and Symptoms of Exposure: Symptoms may include redness or burning of affected area.

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**4. FIRST AID MEASURES**

**Eye:** If symptoms develop, or if direct exposure has occurred, move individual away from exposure and into fresh air. Flush eyes with plenty of water for at least 15 minutes while holding eyelids open. If irritation persists, get medical attention.

**Skin:** If irritation occurs, wash exposed area with soap and water. Remove contaminated clothing. If symptoms persist, seek medical attention. Launder clothing before reuse.

**Ingestion:** Seek medical attention immediately. Do not give anything by mouth to an individual if they are drowsy or unconscious. Contact poison control center, a physician, or a medical facility for advice about whether to induce vomiting.

**Inhalation:** Remove individual to fresh air. If breathing is difficult, administer oxygen. If not breathing, give artificial respiration. Keep person warm and quiet. Seek immediate medical attention.

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**5. FIRE FIGHTING MEASURES**

NFPA Flammability Code: 0

Flash Point: (Closed Cup) 394 Degrees F

Explosive Limit: No Data

Autoignition: No Data

Extinguishing Media: Use dry chemical, 'Alcohol' foam, carbon dioxide, or water fog.

Special Fire-Fighting Procedures: Flammable Cream. Clear fire area of unprotected individuals. Do not enter confined fire space without full bunker gear, including a positive pressure NIOSH approved SCBA.

Unusual Fire and Explosive Hazards: Dense smoke may be generated. Keep away from heat, sparks, and open flame.

Combustion Products: Carbon monoxide, carbon dioxide, and unidentified organic compounds may be formed during combustion.

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**6. ACCIDENTAL RELEASE MEASURES**

Small Spill: Absorb material on vermiculite, floor absorbent, or other absorbent material.

Large Spill: Flammable. Ventilate area of spill. Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Stop spill at source, dike area of spill to prevent spreading or runoff into drains. Pump liquid to salvage tank. Remaining liquid may be absorbed on sand, clay, earth, floor absorbent, or other absorbent material and shoveled into containers.

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**7. HANDLING AND STORAGE**

Handling And Storage Precautions: Keep away from heat, sparks, and flame. Do not use near open flame, or other source of ignition. Empty containers retain residue and should not be reused.

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**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Eye Protection: Not required for normal conditions of use.

Skin Protection: Not required for normal conditions of use. Use gloves to prevent repeated exposure.

Respiratory Protection: Not required for normal conditions of use.

Engineering Controls: Not required for normal conditions of use.

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

Boiling Point: 101 Degree C

Percent Volatile: No Data

Vapor Pressure: 1 mm Hg (270 F)

pH: 3.0-5.0

Vapor Density: Heavier than air

Appearance: Clear Light Blue Gel

Specific Gravity: 1.01 g/ml

State: Gel

Melting Point: No Data

Physical Form: Gel

Freezing Point: No Data

Color: Clear, Blue

Evaporation Rate: Slower than ether

Odor: Faint, Neutral

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**10. STABILITY AND REACTIVITY**

Stability: Stable

Incompatibility: Strong oxidizers and strong acids

Hazardous Polymerization: Will not occur

Hazardous Decomposition or By Products: May form carbon dioxide, carbon monoxide, various hydrocarbons, or sulfur compounds.

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**11. TOXICOLOGICAL INFORMATION**

No Data for this cream.

Following information is for the component, Lidocaine HCl:

Oral, Mouse LD50 = 300 mg/kg; Oral, Rabbit LD50 = 3200 mg/kg; Oral, Rat LD50 = 980 mg/kg

Following information is for the component, Tetracaine HCl

Oral, Mouse LD50 = 160 mg/kg

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**12. ECOLOGICAL INFORMATION**

No Data

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**13. DISPOSAL CONSIDERATION**

Waste Management Information: Dissolve with a combustible solvent and burn in a chemical incinerator according to all applicable federal, state, and local regulations.

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**14. TRANSPORT INFORMATION**

DOT Information – 49 CFR 172.101

DOT Description: Non-regulated by DOT

Container Mode: 0.5 fl. oz. Bottle

NOS Component: None

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**15. REGULATORY INFORMATION**

US Federal Regulations

TSCA (Toxic Substances Control Act) Status

This product is a mixture and components are listed in the TSCA inventory of chemical substances.

International Regulations, Inventory Status

Not determined

State and Local Regulations, California Prop 65

Not determined

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**16. OTHER INFORMATION**

NFPA Hazard Rating: 1 Health; 0 Flammability; 0 Reactivity

The information contained herein is based on the data available to us and is believed to be accurate. However, MEI-CHA Global makes no warranty, expressed or implied, regarding the accuracy of these data or the results to be obtained from the use thereof. MEI-CHA Global assumes no responsibility for injuries from the use of the product described herein.