MATERIAL SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION

Product identifier: Benzocaine, 18% Tetracaine, 2% Gel
Product Code(s): 10039-BGUN; 10039-MUN; 10039-STUN; 10039-CHUN; 10039-RBUN
Product Use: For rapid and long lasting topical anesthesia.
Chemical Family: Mixture
Supplier's name and address: A.R. Medicom Inc
Manufacturer's name and address: Refer to Supplier

1200 55th Avenue
Montreal, QC, Canada
H8T 3J8

Information Telephone #: (514) 636-6262 or (800) 308-6589
24 Hr. Emergency Tel #: (613) 996-6666 (CANUTEC)

SECTION 2 - HAZARDS IDENTIFICATION

Classification: WHMIS information: This product is not a WHMIS controlled product in Canada. This product is a Drug Product and is therefore not regulated as a Controlled Product under the Hazardous Products Act (HPA).
OSHA: This product is regulated under the Food and Drugs Act as a Drug product.

Emergency Overview: Paste Characteristic odour.
Caution! May cause mild eye irritation. May cause mild skin irritation. May cause respiratory irritation. May cause irritation to the mouth, throat and stomach. May cause skin sensitization.

POTENTIAL HEALTH EFFECTS:

Signs and symptoms of short-term (acute) exposure

Inhalation: Inhalation of dust may cause shortness of breath, tightness of the chest, a sore throat and cough.
Skin: May cause mild skin irritation.
Eyes: May cause mild eye irritation. May cause mild irritation, redness and watering.
Ingestion: Irritation of the mouth, throat, esophagus, and stomach.

Effects of long-term (chronic) exposure

: May cause skin sensitization.

Carcinogenic status: See TOXICOLOGICAL INFORMATION, Section 11.
Additional health hazards: See TOXICOLOGICAL INFORMATION, Section 11.

Potential environmental effects: See ECOLOGICAL INFORMATION, Section 12.

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>CAS #</th>
<th>Wt.%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzocaine</td>
<td>94-09-7</td>
<td>10.00 - 30.00</td>
</tr>
<tr>
<td>Tetracaine hydrochloride</td>
<td>136-47-0</td>
<td>1.00 - 10.00</td>
</tr>
<tr>
<td>Carbopol 934P NF Polymer</td>
<td>9003-01-4</td>
<td>1.00 - 10.00</td>
</tr>
</tbody>
</table>
SECTION 4 - FIRST AID MEASURES

**Inhalation**
- Immediately remove person to fresh air. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen by qualified medical personnel only. Get medical attention.

**Skin contact**
- Wash off with soap and plenty of water. If irritation persists, seek prompt medical attention. Wash contaminated clothing before re-use.

**Eye contact**
- If in eyes, rinse with water for 15 minutes. Get medical attention.

**Ingestion**
- Do NOT induce vomiting. Rinse mouth with water. Never give anything by mouth to an unconscious person. Seek immediate medical attention/advice.

**Notes For Physician**
- Treat symptomatically.

SECTION 5 - FIRE FIGHTING MEASURES

**Fire hazards/conditions of flammability**
- Not flammable under normal conditions of use.

**Flammability classification (OSHA 29 CFR 1910.1200)**
- Combustible Liquid Class III B.

**Oxidizing properties**
- None known.

**Explosion data: Sensitivity to mechanical impact / static discharge**
- Not expected to be sensitive to mechanical impact or static discharge.

**Suitable extinguishing media**
- Use media suitable to the surrounding fire such as water fog or fine spray, alcohol foams, carbon dioxide and dry chemical.

**Special fire-fighting procedures/equipment**
- Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode. Move containers from fire area if safe to do so.

**Hazardous combustion products**
- Toxic fumes, gases or vapours may evolve on burning. Oxides of carbon and nitrogen.

**NFPA Rating**
- Health: 1
- Flammability: 1
- Instability: 0
- Special Hazards: None.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

**Personal precautions**
- Restrict access to area until completion of clean-up. Keep all other personnel upwind and away from the spill/release. Individuals involved in the cleanup must wear appropriate personal protective equipment. Refer to protective measures listed in sections 7 and 8.

**Environmental precautions**
- Ensure spilled product does not enter drains, sewers, waterways, or confined spaces.

**Spill response/cleanup**
- Ventilate area of release. Stop the spill at source if it is safe to do so. Contain and absorb spilled liquid with non-combustible, inert absorbent material (e.g. sand), then place absorbent material into a container for later disposal (see Section 13). Notify the appropriate authorities as required.

**Prohibited materials**
- None known.

**Special spill response procedures**
- If a spill/release in excess of the EPA reportable quantity is made into the environment, immediately notify the national response center in the United States (phone: 1-800-424-8802).

**US CERCLA Reportable quantity (RQ): None reported.**

SECTION 7 - HANDLING AND STORAGE

**Safe Handling procedures**
- Wear chemically resistant protective equipment during handling. Use only in well-ventilated areas. Do not ingest. Avoid formation of respirable particles. Avoid breathing dust. Avoid contact with eyes, skin and clothing. Avoid contact with incompatible materials. Keep container tightly closed when not in use. Wash thoroughly after handling. Do not use pressure to empty drums.
**Storage requirements**

Store in a cool, dry, well ventilated area, away from heat and ignition sources. Store away from incompatibles and out of direct sunlight. Storage area should be clearly identified, clear of obstruction and accessible only to trained and authorized personnel. No smoking in the area. Inspect periodically for damage or leaks.

**Incompatible materials**


**Special packaging materials**

Always keep in containers made of the same materials as the supply container.

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**SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION**

**Exposure Limits**

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>TWA</td>
<td>STEL</td>
</tr>
<tr>
<td>Benzocaine</td>
<td>N/Av</td>
<td>N/Av</td>
</tr>
<tr>
<td>Tetracaine hydrochloride</td>
<td>N/Av</td>
<td>N/Av</td>
</tr>
<tr>
<td>Carbopol 934P NF Polymer</td>
<td>N/Av</td>
<td>N/Av</td>
</tr>
</tbody>
</table>

**Ventilation and engineering measures**

Do not use in closed or confined space. Use general or local exhaust ventilation to maintain air concentrations below recommended exposure limits.

**Respiratory protection**

Use NIOSH/MSHA approved full-face respirator with an organic vapour cartridge if the recommended exposure limit is exceeded. Advice should be sought from respiratory protection specialists. Respirators should be selected based on the form and concentration of contaminants in air, and in accordance with OSHA (29 CFR 1910.134) or CSA Z94.4-02.

**Skin protection**

Solvent-resistant gloves. Advice should be sought from glove suppliers.

**Eye / face protection**

Chemical splash goggles are recommended. Do not wear contact lenses.

**Other protective equipment**

An eyewash station and safety shower should be made available in the immediate working area. Depending on conditions of use, an impervious apron should be worn. Remove and wash contaminated clothing before re-use.

**General hygiene considerations**

Avoid breathing dust. Avoid contact with skin, eyes and clothing. Do not eat, drink, smoke or use cosmetics while working with this product. Upon completion of work, wash hands before eating, drinking, smoking or use of toilet facilities. Remove soiled clothing and wash it thoroughly before reuse.

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**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

<table>
<thead>
<tr>
<th>Physical state</th>
<th>paste</th>
<th>Appearance</th>
<th>Various colours.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Odour</td>
<td>Characteristic odour.</td>
<td>Odour threshold</td>
<td>N/Av</td>
</tr>
<tr>
<td>pH</td>
<td>N/Av</td>
<td>Specific gravity</td>
<td>N/Av</td>
</tr>
<tr>
<td>Boiling point</td>
<td>N/Av</td>
<td>Coefficient of water/oil distribution</td>
<td>N/Av</td>
</tr>
<tr>
<td>Melting/Freezing point</td>
<td>N/Av</td>
<td>Solubility in water</td>
<td>soluble</td>
</tr>
<tr>
<td>Vapour pressure (mmHg @ 20°C / 68°F)</td>
<td>N/Av</td>
<td>Evaporation rate (n-Butyl acetate = 1)</td>
<td>negligible</td>
</tr>
<tr>
<td>Vapour density (Air = 1)</td>
<td>N/Av</td>
<td>Volatiles (% by weight)</td>
<td>N/Av</td>
</tr>
<tr>
<td>Volatile organic Compounds (VOC's)</td>
<td>N/Av</td>
<td>Auto-ignition temperature</td>
<td>N/Av</td>
</tr>
<tr>
<td>Flash point</td>
<td>N/Av</td>
<td>Upper flammable limit (% by vol.)</td>
<td>N/Av</td>
</tr>
<tr>
<td>Flash point Method</td>
<td>N/Av</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lower flammable limit (% by vol.)</td>
<td>N/Av</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Benzocaine, 18% / Tetracaine, 2% Gel

MSDS Preparation Date (mm/dd/yyyy): 06/25/2012

Flame Projection Length: N/Ap  Flashback observed: N/Ap
Viscosity: Viscous.
Absolute pressure of container: N/Ap

Section 10: Stability And Reactivity
Stability and reactivity: Stable under recommended storage conditions.
Hazardous polymerization: Hazardous polymerisation does not occur.
Conditions to avoid: Keep out of direct sunlight. Keep away from excessive heat, open flames, sparks and other possible sources of ignition. Do not use in areas without adequate ventilation.

Materials To Avoid And Incompatibility
See Section 7 (Handling and Storage) for further details.

Hazardous decomposition products
Refer to Section 5 for additional ‘Hazardous combustion products’.

SECTION 11 - TOXICOLOGICAL INFORMATION

Target organs: Eyes, skin, respiratory system and digestive system.

Routes of exposure:
- Inhalation: YES
- Skin Absorption: YES
- Skin & Eyes: YES
- Ingestion: YES

Toxicological data:
There is no available data for the product itself, only for the ingredients. See below for individual ingredient acute toxicity data.

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>LC50(4hr) inh, rat</th>
<th>LD50 (Oral, rat)</th>
<th>LD50 (Rabbit, dermal)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzocaine</td>
<td>N/Av</td>
<td>3042 mg/kg</td>
<td>N/Av</td>
</tr>
<tr>
<td>Tetracaine hydrochloride</td>
<td>N/Av</td>
<td>160 mg/kg (mouse)</td>
<td>N/Av</td>
</tr>
<tr>
<td>Carbopol 934P NF Polymer</td>
<td>N/Av</td>
<td>2500 mg/kg</td>
<td>N/Av</td>
</tr>
</tbody>
</table>

Carcinogenic status: No components are listed as carcinogens by ACGIH, IARC, OSHA or NTP.
Reproductive effects: Not expected to cause reproductive effects.
Teratogenicity: Not expected to be a teratogen.
Mutagenicity: Not expected to be mutagenic in humans.
Epidemiology: Not available.
Sensitization to material: May cause skin sensitization.
Synergistic materials: N/Av
Irritancy: May cause eye, skin and respiratory tract irritation. May cause gastrointestinal irritation.

other important hazards: None known.

Conditions aggravated by overexposure: Pre-existing skin, eye and respiratory disorders.

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity: The product should not be allowed to enter drains or water courses, or be deposited where it can affect ground or surface waters.
- The acute toxicity of benzocaine is (IUCLID)
  - Toxicity to fish - EC50/15min = 7.3 mg/L

The acute toxicity of Tetracaine HCl is:
- Toxicity to fish - LC50/96h/Pimephales promelas (Fathead minnow) = 1.2 mg/L

Mobility: No data is available on the product itself.
Persistence: No data is available on the product itself.
Bioaccumulation potential: No data is available on the product itself.
Other Adverse Environmental effects
No data is available on the product itself.

SECTION 13 - DISPOSAL CONSIDERATIONS

Handling for Disposal : Handle waste according to recommendations in Section 7.
Methods of Disposal : Improper disposal can cause damage to the environment. Dispose in accordance with all applicable federal, state, provincial and local regulations. Contact your local, state, provincial or federal environmental agency for specific rules.
RCRA : It is the responsibility of the waste generator to determine the proper waste identification and disposal method. For disposal of unused or waste material, check with local, state and federal environmental agencies.

SECTION 14: TRANSPORT INFORMATION

<table>
<thead>
<tr>
<th>Regulatory Information</th>
<th>UN Number</th>
<th>Shipping Name</th>
<th>Class</th>
<th>Packing Group</th>
<th>Label</th>
</tr>
</thead>
<tbody>
<tr>
<td>TDG</td>
<td>None.</td>
<td>Not regulated.</td>
<td>Not regulated</td>
<td>none</td>
<td></td>
</tr>
<tr>
<td>TDG Additional information</td>
<td>None.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>49CFR/DOT Additional information</td>
<td>None.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

SECTION 15 - REGULATORY INFORMATION

US Federal Information:
TSCA: All listed ingredients appear on the Toxic Substances Control Act (TSCA) inventory.
CERCLA Reportable Quantity (RQ) (40 CFR 117.302): None reported.

SARA TITLE III: Sec. 302, Extremely Hazardous Substances, 40 CFR 355: No Extremely Hazardous Substances are present in this material.
SARA TITLE III: Sec. 311 and 312, MSDS Requirements, 40 CFR 370 Hazard Classes: Acute Health Hazard. Chronic Health Hazard. Under SARA Sections 311 and 312, the EPA has established threshold quantities for the reporting of hazardous chemicals. The current thresholds are 500 pounds for the threshold planning quantity (TPQ), whichever is lower, for extremely hazardous substances and 10,000 pounds for all other hazardous chemicals.
SARA TITLE III: Sec. 313, Toxic Chemicals Notification, 40 CFR 372: This material is not subject to SARA notification requirements, since it does not contain any Toxic Chemical constituents above de minimus concentrations.

US State Right to Know Laws:
California Proposition 65: To the best of our knowledge, this product does not contain any chemicals known to the State of California to cause cancer or reproductive harm.

Other U.S. State "Right to Know" Lists: The following chemicals are specifically listed by individual States: Tetracaine HCl (NJ, PA); Carbopol 934P NF Polymer (NJ, PA).

International Information:
WHMIS information: Refer to Section 2 for a WHMIS Classification for this product.
Canadian Environmental Protection Act (CEPA) information: All ingredients listed appear on the Domestic Substances List (DSL).
Benzocaine, 18% Tetracaine, 2% Gel

MSDS Preparation Date (mm/dd/yyyy): 06/25/2012

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and this MSDS contains all the information required by the CPR.

SECTION 16 - OTHER INFORMATION

HMIS Rating : * - Chronic hazard 0 - Minimal 1 - Slight 2 - Moderate 3 - Serious
Health: 1 Flammability: 1 Reactivity: 0

Legend: ACGIH: American Conference of Governmental Industrial Hygienists
        CAS: Chemical Abstract Services
        CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act of 1980
        CFR: Code of Federal Regulations
        CNS: Central Nervous System
        DOT: Department of Transportation
        HMIS: Hazardous Materials Identification System
        HSDB: Hazardous Substances Data Bank
        IARC: International Agency for Research on Cancer
        Inh: Inhalation
        LC: Lethal Concentration
        LD: Lethal Dose
        MA: Massachusetts
        MN: Minnesota
        MSHA: Mine Safety and Health Administration
        N/A: Not Applicable
        N/Av: Not Available
        NFPA: National Fire Protection Association
        NIOSH: National Institute of Occupational Safety and Health
        NJ: New Jersey
        NTP: National Toxicology Program
        OSHA: Occupational Safety and Health Administration
        PA: Pennsylvania
        PEL: Permissible exposure limit
        RCRA: Resource Conservation and Recovery Act
        RI: Rhode Island
        RTECS: Registry of Toxic Effects of Chemical Substances
        SARA: Superfund Amendments and Reauthorization Act
        STEL: Short Term Exposure Limit
        TDG: Canadian Transportation of Dangerous Goods Act & Regulations
        TLV: Threshold Limit Values
        TWA: Time Weighted Average
        WHMIS: Workplace Hazardous Materials Identification System

References:

1. ACGIH, Threshold Limit Values and Biological Exposure Indices for 2012
2. International Agency for Research on Cancer Monographs, searched 2012
3. Canadian Centre for Occupational Health and Safety, CCInfoWeb databases (Chempendium, HSDB and RTECs), (2012)
4. Material Safety Data Sheets from manufacturer.
5. US EPA Title III List of Lists (July 2011)
6. California Proposition 65 List (16 March 2012)
DISCLAIMER OF LIABILITY

This Material Safety Data Sheet was prepared by ICC The Compliance Center Inc using information provided by / obtained from A.R. Medicom Inc and CCOHS' Web Information Service. The information in the Material Safety Data Sheet is offered for your consideration and guidance when exposed to this product. ICC The Compliance Center Inc and A.R. Medicom Inc expressly disclaim all expressed or implied warranties and assume no responsibilities for the accuracy or completeness of the data contained herein. The data in this MSDS does not apply to use with any other product or in any other process.

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Preparation Date (mm/dd/yyyy) : 06/25/2012

END OF DOCUMENT