

## **SAFETY DATA SHEETS**

**This SDS packet was issued with item:**

073267911

**The safety data sheets (SDS) in this packet apply to one or more components included in the items listed below. Items listed below may require one or more SDS. Please refer to invoice for specific item number(s).**

073270014

# MATERIAL SAFETY DATA SHEET

Product name: ZAP TOPICAL ANESTHETIC GEL  
Last revised date: 6 December 2013  
Print date: 18 December 2013

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## 1. SUBSTANCE AND SUPPLIER IDENTIFICATION

PRODUCT NAME: Zap Topical Anesthetic Gel  
DIN: 01930699

MANUFACTURER: Germiphene Corporation  
ADDRESS: 1379 Colborne Street East, Brantford, Ontario N3T 5M1, Canada  
PHONE: 519-759-7100  
FAX: 519-759-1625

EMERGENCY PHONE: CANUTEC 613-996-6666

PRODUCT USE: For rapid and long lasting topical anesthesia.

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT: Tetracaine Hydrochloride  
CAS No 136-47-0 % wt 2.0  
HAZARDOUS: yes

INGREDIENT: Benzocaine  
CAS No N/Av % wt 18.0  
HAZARDOUS: yes

INGREDIENT: Propylene Glycol  
CAS No 57-55-6 % wt 36 - 37.5  
HAZARDOUS: yes

INGREDIENT: Polyethylene Glycol  
CAS No 25322-68-3 % wt 35 - 38  
HAZARDOUS: yes

## 3. HAZARD IDENTIFICATION

EYES: May cause irritation.  
SKIN: May cause irritation.  
INGESTION: May be harmful if swallowed.  
INHALATION: N/Ap

## 4. FIRST AID MEASURES

EYES: Wash eyes with plenty of water for at least 15 minutes. If irritation persists, contact physician.  
SKIN: Wash well with soap and water.  
INGESTION: Immediately contact physician or poison control center.  
INHALATION: N/Ap

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## 5. FIREFIGHTING MEASURES

FLAMMABILITY: N/Av  
COMBUSTIBLE: N/Av  
HAZARDOUS COMBUSTION PRODUCTS: N/Av

## 6. ACCIDENTAL RELEASE MEASURES

Small spills can be wiped with absorbent paper. Large spills should be absorbed with sand, earth or similar material or mopped up and wash with water.

## 7. HANDLING AND STORAGE

Store below 25°C.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

VENTILATION: N/Av  
RESPIRATORY PROTECTION: No  
EYE PROTECTION: No  
SKIN PROTECTION: No  
OTHER PROTECTIVE CLOTHING OR EQUIPMENT: No

## 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Clear, viscous, colour characteristic of flavour  
ODOUR: Characteristic of flavour  
PHYSICAL STATE: Gel  
pH: 3.00-5.00  
BOILING POINT: N/Av  
FREEZING POINT: N/Av  
EVAPORATION RATE: N/Av  
SPECIFIC GRAVITY @ 25 ± 1°C: 1.07 - 1.11 g/mL  
VISCOSITY: 35000-120,000 cps  
VAPOUR PRESSURE (mmHg): N/Av  
SOLUBILITY: N/Av

## 10. STABILITY AND REACTIVITY

STABILITY: N/Av  
CONDITIONS TO AVOID (STABILITY): N/Av  
INCOMPATIBILITY (MATERIALS TO AVOID): N/Av  
HAZARDOUS DECOMPOSITION PRODUCTS: N/Av

# MATERIAL SAFETY DATA SHEET

Product name: ZAP TOPICAL ANESTHETIC GEL  
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## 11. TOXICOLOGICAL INFORMATION

TETRACAINE HYDROCHLORIDE Oral mouse LD50 160 mg/kg  
BENZOCAINE Oral rabbit LD50 1150 mg/kg  
PROPYLENE GLYCOL Oral rat LD50 20 - 34 g/kg  
POLYETHYLENE GLYCOL Oral rat LD50 16 g/kg

## 12. ECOLOGICAL INFORMATION

N/Av

## 13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose of in accordance with local, provincial, and federal law.

## 14. TRANSPORT INFORMATION

Not regulated by TDG.

## 15. REGULATORY INFORMATION

WHMIS CATEGORY: Exempt - Drug Product

## 16. OTHER INFORMATION

Prepared by: Germiphene Technical Department

### Disclaimer

No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose, or of any nature are made with respect to the product or information contained in this Material Safety Data Sheet. All information contained herein is presented in good faith and is believed to be appropriate and accurate. However, neither the above named supplier, nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. The buyer or user assumes all risks associated with the use, misuse or disposal of this product. The buyer or user is responsible to comply with all federal, state, provincial, or local regulations concerning the use, misuse, or disposal of these products.

# SAFETY DATA SHEET

Revision #3

Product name: **ZAP TOPICAL ANESTHETIC GEL**  
Last revised date: 10 May 2018

## 1. SUBSTANCE AND SUPPLIER IDENTIFICATION

**PRODUCT NAME:** Zap Topical Anesthetic Gel  
**DIN:** 01930699

**MANUFACTURER:** Germiphene Corporation  
**ADDRESS:** 1379 Colborne St E, Brantford, Ontario N3T 5M1 Canada  
**PHONE:** 519-759-7100  
**FAX:** 519-759-1625

**EMERGENCY PHONE:** CANUTEC 613-996-6666

**PRODUCT USE:** For rapid and long lasting topical anesthesia.

## 2. HAZARD IDENTIFICATION

**EMERGENCY OVERVIEW:** May cause serious eye damage. Prolonged contact with skin may cause irritation. Possible Allergen. Contact with eyes may cause irritation or other effects. May be harmful if swallowed.

### SYMBOLS:



**SIGNAL WORD:** Warning

### GHS Classification:

Health	Environmental	Physical
Skin Irritant: Category 3	Acute Aquatic Toxicity: Category 3	
Eye Irritant: Category 2A	Chronic Toxicity: None Known	
Skin Sensitizer: Category 1		

Hazard Statements	Precautionary Statements
H320: Causes eye irritation	P261: Avoid breathing mist/vapors/spray
H317: May cause allergic skin reaction	P264: Wash hands thoroughly after handling
H336: May cause drowsiness or dizziness	P273: Avoid release to the environment
H402: Harmful to aquatic life	P280: Wear appropriate protective gloves/eye protection

  

Risk Phrases	Safety Phrases
R21/22: Harmful in contact with skin and if swallowed	S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
R26/27/28: Irritating to eye, respiratory system and skin	S36/37: Wear suitable protective clothing and gloves
R43: May cause sensitization by skin contact	S45: In case of an accident or if you feel unwell, seek medical advice immediately
R51: Toxic to aquatic organisms	S61: Avoid release to the environment
R67: Vapors may cause drowsiness and dizziness	

# SAFETY DATA SHEET

Revision #3

Product name: **ZAP TOPICAL ANESTHETIC GEL**  
Last revised date: 10 May 2018

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT:	CAS No:	% wt:	HAZARDOUS:
Tetracaine Hydrochloride	136-47-0	2.0	yes
Benzocaine	N/Av	18.0	yes
*Proprietary*	57-55-6	30-50%	yes
*Proprietary*	25322-68-3	30-50%	yes

## 4. FIRST AID MEASURES

**EYES:** Wash eyes with plenty of water for at least 15 minutes. Remove contact lenses if present. If irritation persists or blurred vision continues, contact physician.

**SKIN:** Wash skin thoroughly after handling. Seek medical attention if irritation persists. Remove contaminated clothing. Launder before re-use.

**INGESTION:** If product is swallowed, call physician or poison control center for most current information. If professional advice is not available, do not induce vomiting. Never induce vomiting or give diluents (milk or water) to someone who is unconscious, having convulsions, or who cannot swallow. Seek medical advice. Take a copy of the label and/or SDS with the victim to the health professional.

**INHALATION:** Not applicable

**MEDICAL CONDITIONS** Pre-existing skin problems may be aggravated by

**AGGRAVATED BY EXPOSURE:** prolonged exposure to this product.

**RECOMMENDATIONS TO PHYSICIANS:** Treat symptoms and reduce over-exposure.

## 5. FIREFIGHTING MEASURES

**FLASH POINT:** > 250 °F

**AUTOIGNITION TEMPERATURE:** Not established

**FLAMMABLE LIMITS (in air, by volume, %):** Lower (LOL): Not Established  
Upper (UEL): Not Established

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** This product may produce hazardous combustion by-products.

**SPECIAL FIRE-FIGHTING PROCEDURES:** Incipient fire responders should wear eye protection. Structural firefighters must wear self-contained breathing apparatus and full protective equipment. Isolate materials not yet involved in the fire and protect personnel. Move containers from fire area if this can be done without risk; otherwise, cool with carefully applied water spray. If possible, prevent runoff water from entering storm drains, bodies of water, or other environmentally sensitive areas.

**FLAMMABILITY:** Not available

**COMBUSTIBLE:** Not available

**HAZARDOUS COMBUSTION PRODUCTS:** Not available

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Revision #3

Product name: **ZAP TOPICAL ANESTHETIC GEL**  
Last revised date: 10 May 2018

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## **6. ACCIDENTAL RELEASE MEASURES**

**SPILL AND LEAK RESPONSE:** Personnel should be trained for spill response operations.

**SPILLS:** Contain spill if safe to do so. Soak up with an absorbent material and place in an appropriate closed container for disposal. Dispose of in accordance with applicable Federal, State, and local procedures (see Section 13, Disposal Considerations). Small spills can be wiped with absorbent paper. Large spills should be absorbed with sand, earth or similar material or mopped up and wash with water.

## **7. HANDLING AND STORAGE**

**WORK PRACTICES AND HYGIENE PRACTICES:** As with all chemicals, avoid getting this product on you or in you. Wash thoroughly after handling this product. Do not eat, drink, smoke, or apply cosmetics while handling this product. Avoid breathing vapors/mists/sprays generated by this product. Use in a well-ventilated location. Remove contaminated clothing immediately.

**STORAGE AND HANDLING PROCEDURES:** Containers of this product must be properly labeled. Store containers in a cool, dry location (below 25 °C) away from heat and sources of ignition. Keep container tightly closed when not in use. Store away from incompatible materials.

## **8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**VENTILATION AND ENGINEERING CONTROLS:** Use with adequate ventilation to ensure exposure levels are maintained below the limits provided below. Use local exhaust ventilation to control airborne mist/vapor/dust. Ensure eyewash/safety shower stations are available near areas where this product is used.

**RESPIRATORY PROTECTION:** Not normally required when using this product. Maintain airborne contaminant concentrations below guidelines listed above, if applicable. If necessary, use only respiratory protection authorized in the US Federal OSHA Respiratory Protection Standards (29 CFR 1910.134), equivalent US State Standards, Canadian CSA Standard Z94.4-93, the European Standard EN149, or EU member states.

**EYE PROTECTION:** Although eye protection is not normally required when using this product, splash goggles or safety glasses with side shields are recommended where splashing is possible. If necessary, refer to US OSHA 29 CFR 1910.133, Canadian Standards, and the European Standard EN166, Australian Standards, or relevant Japanese Standards.

**HAND PROTECTION:** Compatible protective gloves recommended as appropriate for task. Wash hands after removing

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Product name: **ZAP TOPICAL ANESTHETIC GEL**  
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**BODY PROTECTION:** gloves. If necessary, refer to US OSHA 29 CFR 1910.138, the European Standard DIN EN 374, the appropriate standards of Canada, Australian Standards, or relevant Japanese Standards. Not normally required when using this product. Use body protection appropriate to prevent contact (e.g. lab coat, overalls). If necessary, refer to appropriate Standards of Canada, or appropriate Standards of the EU, Australian Standards, or relevant Japanese Standards.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE:** Clear, viscous, colour characteristic of flavour  
**ODOUR:** Characteristic of flavour  
**PHYSICAL STATE:** Gel  
**pH:** 3.00-5.00  
**BOILING POINT:** Not available  
**FREEZING POINT:** Not available  
**EVAPORATION RATE:** Not available  
**SPECIFIC GRAVITY @ 25 ± 1°C:** 1.07 - 1.11 g/mL  
**VISCOSITY:** 35000-120,000 cps  
**VAPOUR PRESSURE (mmHg):** Not available  
**SOLUBILITY:** Not available

## 10. STABILITY AND REACTIVITY

**STABILITY:** Product is stable.  
**CONDITIONS TO AVOID (STABILITY):** Avoid with incompatible materials.  
**INCOMPATIBILITY (MATERIALS TO AVOID):** Strong oxidizing agents.  
**HAZARDOUS DECOMPOSITION PRODUCTS:** When heated to decomposition this product may contain carbon dioxide, carbon monoxide and unidentified toxic and/or irritating compounds.

## 11. TOXICOLOGICAL INFORMATION

**TETRACAINE HYDROCHLORIDE** Oral mouse LD50 160 mg/kg  
**BENZOCAINE** Oral rabbit LD50 1150 mg/kg  
**\*Proprietary\*** Oral rat LD50 20 - 34 g/kg  
**\*Proprietary\*** Oral rat LD50 16 g/kg

**IRRITANCY OF PRODUCT:** Contact with this product can be irritating to exposed skin, eyes, and respiratory system.  
**SENSITIZATION OF PRODUCT:** An ingredient in this product is considered a skin sensitizer.  
**REPRODUCTIVE TOXICITY INFORMATION:** None available.



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## 12. ECOLOGICAL INFORMATION

ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION.

ENVIRONMENTAL STABILITY: No data available at this time.  
EFFECT OF MATERIAL ON PLANTS OR ANIMALS: No data available at this time.  
EFFECT OF MATERIAL ON AQUATIC LIFE: No data available at this time.

## 13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose of in accordance with local, provincial, and federal law.

## 14. TRANSPORT INFORMATION

US DOT; IATA; IMO; ADR: This product is not hazardous as defined by 49 CFR 172.101 by the US Department of Transportation.  
PROPER SHIPPING NAME: Non-Regulated Material  
HAZARD CLASS NUMBER AND DESCRIPTION: None  
UN IDENTIFICATION NUMBER: None  
PACKING GROUP: None  
DOT LABEL(S) REQUIRED: None  
NORTH AMERICAN EMERGENCY RESPONSE GUIDEBOOK NUMBER (2004): None  
MARINE POLLUTANT: None of the ingredients are classified by the DOT as a Marine Pollutant (as defined by 49 CFR 172.101, Appendix B)

### US DEPARTMENT OF TRANSPORTATION (DOT) SHIPPING REGULATIONS:

This product is not classified as dangerous goods, per US DOT Regulations, under 49 CFR 172.101.

### TRANSPORT CANADA, TRANSPORTATION OF DANGEROUS GOOD REGULATIONS:

This product is not classified as Dangerous Goods, per regulations of Transport Canada.

### INTERNATIONAL AIR TRANSPORT ASSOCIATION (IATA):

This product is not classified as Dangerous Goods, by rules of IATA.

### INTERNATIONAL MARITIME ORGANIZATION (IMO) DESIGNATION:

This product is not classified as Dangerous Goods by the International Maritime Organization.

### EUROPEAN AGREEMENT CONCERNING THE INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY ROAD (ADR):

This product is not classified by the United Nations Economic Commission for Europe to be dangerous goods.

## 15. REGULATORY INFORMATION

WHMIS CATEGORY: Exempt - Drug Product

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## **16. OTHER INFORMATION**

**Prepared by:** Germiphene Technical Department

*Disclaimer*

*No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose, or of any nature are made with respect to the product or information contained in this Material Safety Data Sheet. All information contained herein is presented in good faith and is believed to be appropriate and accurate. However, neither the above named supplier, nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. The buyer or user assumes all risks associated with the use, misuse or disposal of this product. The buyer or user is responsible to comply with all federal, state, provincial, or local regulations concerning the use, misuse, or disposal of these products.*