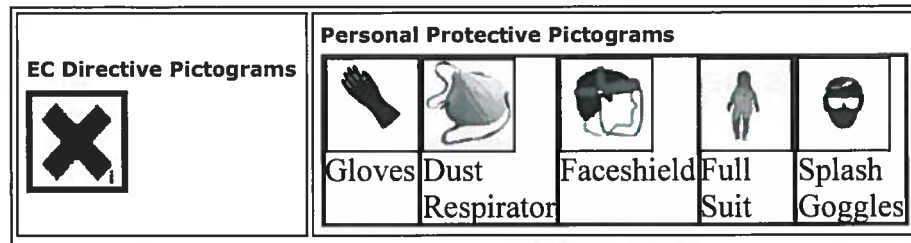


ACTIO MSDS ID: 1156667

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SECTION 1: CHEMICAL PRODUCT and COMPANY IDENTIFICATION

AD31001MS

Product Name: Patterson Topical Benzocaine Anesthetic
Manufacturer MSDS.: AD31001MS
Manufacturer Name: Patterson Companies, Inc.
Address: 1031 Mendota Heights Road
 St. Paul, MN 55120

General Use: Recommended Use: Topical anesthetic
 Restrictions on Use: Use only as directed

Business Phone: 651-686-1600
Business Fax: 651-686-9331

CHEMTREC Numbers:

For emergencies in the US, call CHEMTREC: 800-424-9300

Revision Date: 1/28/11
 Supersedes: 6/22/09
 Revision Number: 2

Trade Names: Topex® Topical Anesthetic Gel/Liquid
 Chemical Name/Classification: Mixture

U.N. Number: None
 U.N. Dangerous Goods Classification: Not Regulated

Product Codes: AD31001, AD31002, AD31003, AD31004, AD31005, AD31006,
 AD31007, AD31064, AD31065, AD31067, AD31068, AD31011,
 AD31012, AD31014

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SECTION 2 : COMPOSITION, INFORMATION ON INGREDIENTS

AD31001MS

Ingredient Name	CAS#	Ingredient Percent
Polyethylene Glycol	25322-68-3	30-50% by Weight
EC Number:	Not available	
EC Index Number:	1	
	IUPAC Name: Poly(ethylene oxide)	
	Substance Classification: Not applicable	
Benzocaine	94-09-7	20% by Weight
EC Number:	202-303-5	
EC Index Number:	1	
Hazard Symbols:	Xi	
Risk Phrases:	R43	

IUPAC Name: Ethyl p-aminobenzoate

Refer to Section 16 for the full text of the EU Classifications and R Phrases.

[To Top of page](#)**SECTION 3 : HAZARDS IDENTIFICATION**

AD31001MS

EU Classification: Irritant (Xi)

EU Labelling: X Irritant

Contains benzocaine:
 R43 May cause sensitization by skin contact.
 S24/25 Avoid contact with skin and eyes.
 S37 Wear suitable gloves

US Hazard Classification: Hazardous

Applies to all ingredients:

Route of Exposure:

Eye, Skin, Inhalation, Ingestion

Signs/Symptoms:

Contact with skin, eyes or mucous membranes may cause numbness. Repeated skin contact may cause burning and itching of the skin with dermatitis or rash.

Aggravation of Pre-Existing Conditions:

Employees with pre-existing skin disorders may be at increased risk from exposure.

Polyethylene Glycol :

Target Organs:

Specific Target Organ Toxicity (STOT):
 Repeated Exposure: Propylene glycol: In 2 week inhalation study, rats were administered whole body exposure for 6 hr/day for 9 days. No exposure related clinical signs or ophthalmic changes were noted and no mortality was recorded during the study.

Benzocaine :

Target Organs:

Specific Target Organ Toxicity (STOT):
 Single Exposure: Benzocaine: When applied topically as recommended, benzocaine has been shown to be relatively nontoxic, however, sensitization may occur.

[To Top of page](#)**SECTION 4 : FIRST AID MEASURES**

AD31001MS

Eye Contact:

Flush eyes with large quantities of water for at least 15 minutes, holding the eyelids apart. Get medical attention if irritation or other symptoms persist.

Skin Contact:

Wash skin thoroughly with soap and water. Get medical attention if symptoms develop and persist.

Inhalation:

None needed under normal use conditions. If irritation develops, remove to fresh air. Get medical attention if symptoms persist.

Ingestion:

If swallowed, call a poison control center. Only induce vomiting if directed by medical personnel. Never give anything by mouth to an unconscious person.

Note to Physicians:

(Treatment, Testing, and Monitoring): Treatment of overexposure should be directed at the control of symptoms and clinical conditions.

Most important symptoms of exposure:

Contact with skin, eyes or mucous membranes may cause numbness. Repeated skin contact may cause burning and itching of the skin with dermatitis or rash.

Other: None known.

[To Top of page](#)**SECTION 5 : FIRE FIGHTING MEASURES**

AD31001MS

Fire:

Flammability: Not flammable

Explosion:	Explosive limits: Not applicable
Flash Point:	> 300 deg F/> 149 deg C
Auto Ignition Temperature:	Not available
Extinguishing Media:	Suitable: Use media appropriate for surrounding fire.
Fire Fighting Instructions:	Fire Fighting Procedures: Cool fire exposed containers and structures with water.
	Specific Hazards Arising from the Chemical: None known.
	Precautions for Fire Fighters: Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing for all fires involving chemicals.
Protective Equipment:	Recommended Protective Equipment for Fire Fighters: EYES/FACE, SKIN, RESPIRATORY, THERMAL

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SECTION 6 : ACCIDENTAL RELEASE MEASURES

AD31001MS

Personal Precautions:	PPE and Emergency Procedures: For large spills, wear gloves and eye protection. Small spills do not require special precautions.
	Recommended Personal Protective Equipment for Containment and Clean-up: EYES/FACE, SKIN
Spill Cleanup Measures:	Collect using an inert non-combustible absorbent material and place in appropriate containers for disposal.
Environmental Precautions:	Prevent spill from entering sewers and water courses. Report releases as required by local and national authorities.

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SECTION 7 : HANDLING and STORAGE

AD31001MS

Handling:	Precautions for Safe Handling: Avoid contact with the eyes and skin. Wash thoroughly after handling. Use in accordance with package instructions.
Storage:	Conditions for Safe Storage: Avoid prolonged storage at elevated temperatures as product degradation may occur.
Work Practices:	Wash thoroughly after handling. Remove and launder contaminated clothing before reuse.
Hygiene Practices:	Wash thoroughly after handling. Remove and launder contaminated clothing before reuse.

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SECTION 8 : EXPOSURE CONTROLS, PERSONAL PROTECTION

AD31001MS

Engineering Controls:	Appropriate Engineering Controls: No special controls required.
Personal Protective Equipment	Specific Thermal Hazards: Not applicable
Routine Handling:	Recommended Personal Protective Equipment: EYES/FACE, SKIN
Skin Protection Description:	Avoid skin contact. Wear plastic or rubber gloves to avoid contact.
Eye/Face Protection:	Avoid eye contact. Safety glasses should be worn if contact is likely.
Respiratory Protection:	None required under normal use conditions.
Exposure Limits:	Occupational Exposure Limits: Polyethylene Glycol: 10 mg/m ³ TWA AIHA WEEL (aerosol) 1000 mg/m ³ (inhalable) DFG MAK
	Benzocaine: None Established
	Biological Exposure Limits: None Established
	Environmental Exposure Controls: None required for normal use.
	General Hygiene Considerations and Work Practices: Wash thoroughly after handling. Remove and launder contaminated clothing before reuse.

Protective Measures During Repair and Maintenance of Contaminated Equipment:
Not applicable for product.

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SECTION 9 : PHYSICAL and CHEMICAL PROPERTIES

AD31001MS

Physical State/Appearance:	Gel
Odor:	Characteristic of flavor
pH:	6.05
Decomposition Temperature:	Not available
Vapor Pressure:	Negligible
Vapor Density:	Not available
Flash Point:	> 300 deg F/> 149 deg C
Auto Ignition Temperature:	Not available
Boiling Point:	Initial: > 482 deg F/> 250 deg C
Freezing Point:	Not available
Melting Point:	Not available
Solubility:	Disperses
Density:	Relative: 1.091 @ 25 deg C
Evaporation Point:	Not available
Viscosity:	164,000 centipose
Odor Threshold:	Not available
Coefficient of Water/Oil Distribution:	Partition coefficient: n-octanol/water: Not available
	Flammability: Not flammable Explosive Properties: None Explosive limits: Not applicable Oxidizing Properties: None

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SECTION 10 : STABILITY and REACTIVITY

AD31001MS

Chemical Stability:	Stable.
Conditions to Avoid:	None known.
Incompatibilities with Other Materials:	Avoid oxidizing agents.
Reactivity:	Will not polymerize.
Hazardous Decomposition Products:	Possibility of Hazardous Reactions: Hazardous reactions are unlikely. Thermal decomposition may produce carbon and nitrogen oxides.

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SECTION 11 : TOXICOLOGICAL INFORMATION

AD31001MS

Applies to all ingredients:

Eye Effect:	Direct contact may cause irritation with redness and tearing. Numbness may occur.
Skin Effects:	Direct contact may cause numbness. Prolonged or repeated skin contact may cause contact dermatitis or hypersensitivity to benzocaine with burning, stinging, tenderness and edema.

Ingestion Effects:	Swallowing may cause nausea, vomiting and diarrhea. In rare cases bezocaine has been shown to cause methemoglobinemia.
Inhalation Effects:	None expected from normal use. Inhalation of mists may cause respiratory irritation.
Chronic Effects:	None expected.
Carcinogenicity:	None of the components of this product are listed as carcinogens by OSHA, IARC, ACGIH, NTP or EU Directives.
Mutagenicity:	No data available
Reproductive Toxicity:	No data available.
Other Toxicological Information:	Medical Conditions Aggravated by Exposure: Employees with pre-existing skin disorders may be at increased risk from exposure.

Polyethylene Glycol :

Ingestion Effects:	Oral mouse LD50: 28,900 mg/kg
Other Toxicological Information:	Specific Target Organ Toxicity (STOT): Repeated Exposure: Propylene glycol: In 2 week inhalation study, rats were administered whole body exposure for 6 hr/day for 9 days. No exposure related clinical signs or ophthalmic changes were noted and no mortality was recorded during the study.

Benzocaine :

Ingestion Effects:	LD50 oral rat: 3042 mg/kg
Other Toxicological Information:	Specific Target Organ Toxicity (STOT): Single Exposure: Benzocaine: When applied topically as recommended, benzocaine has been shown to be relatively nontoxic, however, sensitization may occur.

[To Top of page](#)**SECTION 12 : ECOLOGICAL INFORMATION**

AD31001MS

Ecological Paragraph:	Toxicity: Propylene glycol: Salmo salar (Atlantic salmon) > 1000 mg/L
Biodegradation:	Benzocaine: Readily biodegradable
Other:	Other Adverse Effects: None known. Bio-accumulative Potential: Benzocaine: Estimated BCF is 5. Potential for bioaccumulation is low. Mobility in Soil: Benzocaine: Moderate mobility based upon an estimated Koc of 250. Results of PBT/vPvB Assessment: Not required.

[To Top of page](#)**SECTION 13 : DISPOSAL CONSIDERATIONS**

AD31001MS

Waste Disposal:	Regulations: Dispose in accordance with local and national environmental regulations. Properties (Physical/Chemical) Affecting Disposal: None known. Waste Treatment Recommendations: None needed for normal anticipated use.
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[To Top of page](#)**SECTION 14 : TRANSPORT INFORMATION**

AD31001MS

UN Proper Shipping Name:	Not Regulated
UN Class:	None
UN Number:	None
UN Packaging Group:	None
	Special precautions for user: Not applicable

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SECTION 15 : REGULATORY INFORMATION

AD31001MS

Applies to all ingredients:

TSCA 8(b): Inventory Status:	Toxic Substances Control Act (TSCA): This product is a drug and not subject to chemical notification requirements.
SARA: Section 304:	Superfund Amendments and Reauthorization Act (SARA) Title III Information: Comprehensive Environmental Response and Liability Act of 1980 (CERCLA): This product is not subject to CERCLA reporting requirements. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.
Section 312 Hazard Category:	SARA Section 311/312 (40 CFR 370) Hazard Categories:
Acute:	Yes
Chronic:	No
Fire:	No
Reactive:	No
Pressure:	No
Section 313 Toxic Release Form:	This product contains the following toxic chemical(s) subject to reporting requirements of SARA Section 313 (40 CFR 372): Components: None
Section 112(r): Clean Air Act	Clean Air Act (CAA): Not Listed
Section 116.4 part 117: Clean Water Act	Clean Water Act (CWA): Not Listed
OSHA 29 CFR 1200: State:	OSHA Hazard Classification: Sensitizer California: This product contains the following chemical(s) known to the State of California to cause cancer, birth defects or reproductive harm: Components: None
Canada WHMIS:	Canadian Workplace Hazardous Materials Information System (WHMIS): Drugs are not subject to WHMIS
European Community Chemical Inventory Status:	EU REACH: This product is a medicinal product and not subject to registration requirements.

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SECTION 16 : ADDITIONAL INFORMATION

AD31001MS

MSDS Revision Date:	1/28/11 Supersedes: 6/22/09 Revision Number: 2 Full text of Classification abbreviations used in Section 2 and 3: Xi Irritant R43 May cause sensitization by skin contact. Data Sources: US NLM ChemID Plus and HSDB, Substance SDS for components, IUCLID Dataset EU Chemical Bureau, ESIS, Country websites for occupational exposure limits.
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