

**MATERIAL SAFETY DATA SHEET****WISCONSIN PHARMACAL COMPANY**

1 Pharmacal Way

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Jackson, WI 53037

**EMERGENCY NUMBER:** 1-800-255-3924  
(24 HOURS)**INFORMATION NUMBER:** 1-800-558-6614  
(BUSINESS HOURS)**PRODUCT AND COMPANY IDENTIFICATION****PRODUCT NAME:** Coleman SkinSmart 20% Aerosol**PRODUCT DESCRIPTION:** Aerosol Insect Repellent Formula.**PRODUCT CODE:** 747**EPA REG. NO. :** 70759-4-79533**PREPARED BY:** John Nygaard**DATE PREPARED:** 03-10-09**HMIS:** Health Hazard: 2

Fire Hazard: 3

Reactivity: 0

PPE: J

**COMPOSITION / INFORMATION ON INGREDIENTS**

<u>Chemical Name</u>	<u>Wt.%</u>	<u>CAS#</u>	<u>EINECS#</u>
isobutane containing $\geq$ 0.1% butadiene (203-450-8)	35	75-28-5	Unknown
Denatured Alcohol	22	61116-08-3	Unknown
3-[N-Butyl-N-acetyl]-aminopropionic acid ethyl ester	20	52304-36-6	Unknown
WATER	17	7732-18-5	Unknown
PROPYLENE GLYCOL	4	57-55-6	Unknown
acetic acid ethenyl ester, polymer with 1-ethenyl-2-pyrrolidinone	2	25086-89-9	Unknown

**COMMENTS:** Ingredients not identified are proprietary or non-hazardous. Values are not product specifications.**HAZARDS IDENTIFICATION****PHYSICAL STATE AND APPEARANCE** Liquid. (Slightly yellowish liquid with alcoholic odor)**EMERGENCY OVERVIEW** **IMMEDIATE CONCERNS:** WARNING! FLAMMABLE LIQUID AND VAPOR. HARMFUL IF SWALLOWED OR INHALED. MAY CAUSE RESPIRATORY TRACT, EYE, AND SKIN IRRITATION.**ROUTES OF ENTRY** Dermal contact. Eye contact. Inhalation. Ingestion.**POTENTIAL ACUTE HEALTH EFFECTS****EYES:** May be hazardous in case of eye contact (irritant).**SKIN:** If irritation persists contact a physician.**INHALATION:** May be hazardous in case of inhalation (lung irritant).**INGESTION:** Hazardous in case of ingestion. (Not anticipated).**POTENTIAL CHRONIC HEALTH EFFECTS****CARCINOGENIC EFFECTS:** This material is not known to cause cancer in animals or humans.Additional information See Toxicological Information**MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE**

Repeated exposure to a highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.

**FIRST AID MEASURES**

**EYES:** Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention.

**SKIN:** if irritation persists contact a physician.

**INHALATION:** If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

**INGESTION:** If swallowed, do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as collar, tie, belt or waistband. Get medical attention immediately.

**NOTES TO PHYSICIAN:** None

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**FIRE FIGHTING MEASURES**

**FLAMMABILITY OF THE PRODUCT:** Product will burn.

**AUTO-IGNITION TEMPERATURE:** The lowest known value is 371.11°C (700°F) (PROPYLENE GLYCOL)

**FLASHPOINT AND METHOD:** Closed cup: 25°C (77°F)

**FLAMMABLE LIMITS:** The greatest known range is LOWER: 2.5% UPPER 12.6% (PROPYLENE GLYCOL)

**PRODUCTS OF COMBUSTION:** These products are carbon oxides (CO, CO<sub>2</sub>), nitrogen oxides (NO, NO<sub>2</sub>...).

**FIRE HAZARDS IN PRESENCE OF VARIOUS SUBSTANCES:** Highly flammable in the presence of open flames, sparks, and static discharge, of shocks, of heat.

**EXPLOSION HAZARDS IN PRESENCE OF VARIOUS SUBSTANCES:**

**Risks of explosion of the products in presence of static discharge:** Highly flammable in presence of open flames, sparks, and static discharge.

**Risks of explosion of the products in presence of mechanical impact:** Highly flammable in presence of shocks.

**FIRE FIGHTING MEDIA AND INSTRUCTIONS:** In case of fire, use water spray (fog), foam, dry chemical, or CO<sub>2</sub>.

**PROTECTIVE CLOTHING (FIRE):** Wear self-contained breathing apparatus and full protective clothing.

**SPECIAL REMARKS ON FIRE HAZARDS:** N/A

**SPECIAL REMARKS ON EXPLOSION HAZARDS:** N/A

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**ACCIDENTAL RELEASE MEASURES**

**SMALL SPILL:** Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container.

**LARGE SPILL:** Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Do not get water inside container. Do not touch spilled material. Use water spray to reduce vapors. Prevent entry into sewers, basements or confined areas; dike if needed. Call for assistance on disposal.

**SPILL KIT INFORMATION:** No specific spill kit required for this product.

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**HANDLING AND STORAGE**

**HANDLING:** Keep away from heat, sparks and flame. Keep container closed. Use only with adequate ventilation. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. CONTENTS UNDER PRESSURE.

**STORAGE:** Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep away from heat, sparks and flame. DO NOT STORE AT TEMPERATURES ABOVE 120°F.

KEEP OUT OF REACH OF CHILDREN.

**EXPOSURE CONTROLS / PERSONAL PROTECTION**

**ENGINEERING CONTROLS:** Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits. Ensure that eyewash stations and safety showers are proximal to the work-station location.

**PERSONAL PROTECTION:**

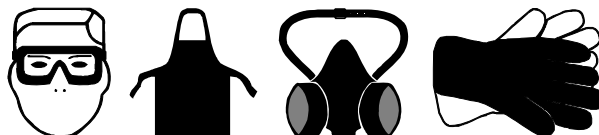
**Eyes:** Splash goggles.

**Body:** Synthetic apron.

**Respiratory:** Vapor and dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate.

**Hands:** Impervious gloves

**Feet:** N/A

**PROTECTIVE CLOTHING (PICTOGRAMS):****PERSONAL PROTECTION IN CASE OF A LARGE SPILL:**

Splash goggles. Synthetic apron. Nitrile gloves. Wear MSHA/NIOSH approved self-contained breathing apparatus or equivalent and full protective gear.

Product Name	Exposure Limits
isobutane containing $\geq 0.1\%$ butadiene (203-450-8)	<b>AGGIH TLV (United States, 1/2005).</b> <b>Notes: ACGIH 2004 Adoption</b> TWA: 1000 ppm 8 hour (s). Form: All forms. <b>NIOSH REL (United States, 12/2001).</b> TWA: 1900 mg/m <sup>3</sup> 10 hour(s). Form: All forms. TWA: 800 ppm 10 hour(s). Form: All forms.
Denatured Alcohol	N/A
WATER	N/A
3-[N-Butyl-N-acetyl]-aminopropionic acid ethyl ester	N/A
POLYETHYLENE GLYCOL 400	<b>AIHA WEEL (United States, 1/2005).</b> <b>Notes: 2004 Revised Document</b> TWA: 10mg/m <sup>3</sup> 8 hour(s). Form: All forms.
acetic acid ethenyl ester, polymer with 1-ethenyl-2-pyrrolidinone	N/A

**PHYSICAL AND CHEMICAL PROPERTIES**

**PHYSICAL STATE:** Liquid. (Slightly yellowish liquid with alcoholic odor)

**ODOR:** Alcohol like.

**ODOR THRESHOLD:** N/A

**COLOR:** Slightly yellowish

**MOLECULAR WEIGHT:** N/A

**PH:** N/A

**WAPOR PRESSURE:** N/A

**VAPOR DENSITY:** N/A

**COILING POINT:** N/A

**FREEZING POINT:** N/A

**SOLUBILITY IN WATER:** N/A

**SPECIFIC GRAVITY:** N/A

**VISCOCITY:** N/A

**MOLECULAR WEIGHT:** N/A

**MOLECULAR FORMULA:** N/A

**EVAPORATION RATE:** N/A

**LogK<sup>ow</sup>:** N/A

**SOLUBILITY:** Partially soluble in water.

**STABILITY AND REACTIVITY**

**STABLE AND REACTIVITY:** The product is stable.

**CONDITIONS OF INSTABILITY:** N/A

**INCOMPATIBILITY WITH VARIOUS SUBSTANCES:** N/A

**HAZARDOUS DECOMPOSITION PRODUCTS:** N/A

**HAZARDOUS POLYMERIZATION:** Will not occur.

**TOXICOLOGICAL INFORMATION**

<b>RTECS Number:</b>	Isobutane	TZ4300000
	Denatured Alcohol	Not available
	Ethyl Butylacetylaminopropionate	Not available
	Water	ZC0110000
	Polyethylene Glycol	TY2000000
	PVP/VA Copolymer	AH3539000

**Toxicity:** Acute oral toxicity (LD<sub>50</sub>): >630 mg/kg [Rat]. (acetic acid ethenyl ester, polymer with 1-ethenyl-2-pyrrolidinone).

Acute dermal toxicity (LD<sub>50</sub>): 20800 mg/kg [Rabbit]. (PROPYLENE GLYCOL)

**Chronic Effects on Humans:** Slightly hazardous in case of eye contact (irritant), of ingestion, of inhalation (lung irritant).

**CARCINOGENIC EFFECTS:** N/A

**MUTAGENIC EFFECTS:** Classified 2 by European Union

[isobutane containing >= 0.1% butadiene (203-450-8)]

**TERATOGENIC EFFECTS:** N/A

**DEVELOPMENTAL TOXICITY:** N/A

The substance is toxic to central nervous system (CNS). Repeated or prolonged exposure to the substance can produce target organs damage. Repeated exposure to a highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.

**Acute Effects on Humans:** May be hazardous in case of eye contact (irritant). If irritation persists contact a physician.

May be hazardous in case of inhalation (lung irritant). Hazardous in case of ingestion.

**Synergetic Products (Toxicologically):** N/A

**Irritancy:** Draize Test: N/A

**Sensitization:** N/A

**Carcinogenic Effects:** This material is not known to cause cancer in animals or humans.

**Toxicity to Reproductive System:** N/A

**Teratogenic Effects:** N/A

**Mutagenic Effects:** Classified 2 by European Union [isobutane containing >= 0.1% butadiene (203-450-8)]

**ECOLOGICAL INFORMATION**

**Ecotoxicity:** N/A

**BOD5 and COD:** N/A

**Toxicity of the Products of Biodegradation:** The products of degradation are less toxic than the product itself.

**DISPOSAL CONSIDERATIONS**

**EPA Waste Number:** Type: Hazardous chemical waste.  
Classification: D001

**Treatment:** Dispose of according to all federal, state and local regulations.

## TRANSPORT INFORMATION

**DOT CLASSIFICATION** Proper shipping name: Aerosols, flammable  
 Hazard class: 2.1  
 UN number: UN1950  
 Packing Group: -  
 ERG (Emergency Response Guide) No.: 10L  
 Additional information: -



**TDG CLASSIFICATION** Proper shipping name: Aerosols, flammable  
 Hazard class: 2.1  
 UN number: UN1950  
 Packing Group: -  
 Additional information: No additional remark.



**IMO/IMDG CLASSIFICATION** Proper shipping name: Aerosols, flammable  
 Hazard class: 2.1  
 UN number: UN1950  
 Packing Group: -  
 Additional information: No additional remark.

**ICAO/IATA CLASSIFICATION** Proper shipping name: Aerosols, flammable  
 Hazard class: 2.1  
 UN number: UN1950  
 Packing Group: II  
 Additional information: No additional remark.

## REGULATORY INFORMATION

TSCA: Exempt, use of this material as an insecticide is regulated by FIFRA. For R&D use only.  
 SARA 302/304/311/312 extremely hazardous substances: No products were found.  
 SARA 302/304 emergency planning and notification: No products were found.  
 SARA 302/304/311/312 hazardous chemicals: PROPYLENE GLYCOL; isobutane containing  
 >= 0.1% butadiene (203-450-8)  
 SARA 311/312 MSDS distribution - chemical inventory - hazard identification: PROPYLENE  
 GLYCOL: Immediate (Acute) Health Hazard, Delayed (Chronic) Health Hazard; isobutane  
 containing >= 0.1% butadiene (203-450-8): Fire Hazard, Sudden Release of Pressure  
 SARA 313 Form R Reporting Requirements- No products were found.  
 SARA 313 Supplier Notification- No products were found.  
 Clean Water Act (CWA) 307: No products were found.  
 Clean Water Act (CWA) 311: No products were found.  
 Clean air act (CAA) 112 accidental release prevention: isobutane containing >= 0.1% butadiene (203-450-8)  
 Clean air act (CAA) 112 regulated flammable substances: isobutane containing >= 0.1%  
 butadiene (203-450-8)  
 Clean air act (CAA) 112 regulated toxic substances: No products were found.

## WHMIS (Canada)

Class B-2: Flammable liquid with a flash point lower than 37.8°C (100°F).  
 Class D-2B: Material causing other toxic effects (TOXIC).

CANNOT BE SOLD IN CANADA.

## International Regulations

**EINECS** Unknown  
**DSCL (EEC)** R10- Flammable.  
**International Lists** Unknown

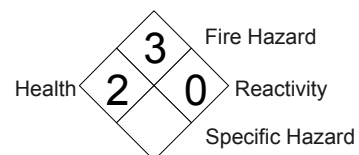
**State Regulations:** Pennsylvania RTK: PROPYLENE GLYCOL: (generic environmental hazard); isobutane  
 containing >= 0.1% butadiene (203-450-8): (generic environmental hazard), Massachusetts RTK: isobutane  
 containing >= 0.1% butadiene (203-450-8), New Jersey: isobutane containing >= 0.1% butadiene (203-450-8)

## OTHER INFORMATION

Hazardous Material  
Information System  
(U.S.A.)

Health	*	2
Fire Hazard		3
Reactivity		0
Personal Protection		J

National Fire  
Protection  
Association  
(U.S.A.)



Other Special  
Considerations

Not available.

Changed Since Last  
Revision

Notice to Reader

**COMMENTS:** The data contained herein is based on information currently available to the Wisconsin Pharmacal Co. Inc., and believed to be factual and the opinions expressed to be those of qualified experts; however, this data is not to be taken as a warranty or representation for which the Wisconsin Pharmacal Co. Inc. assumes legal responsibility.