

# SAFETY DATA SHEET

## 1. Identification

**Product identifier** **Blue Lotion Spray**  
**Other means of identification** None.  
**Recommended use** As a topical stain to be applied to the hides of animals to provide an identifying mark.

### Recommended restrictions


#### Manufacturer/Importer/Supplier/Distributor information

**Manufacturer** **Boehringer Ingelheim Vetmedica, Inc.**  
**Address** 2621 North Belt Hwy  
 St. Joseph, MO 64506-2002

**Transportation emergency** For Chemical Emergency Spill, Leak, Fire, Exposure, or Accident Call CHEMTREC Day or Night  
 Within USA and Canada: 1-800-424-9300  
 Outside USA and Canada: +1 703-527-3887 (collect calls accepted)

**Medical Emergency (24HR):**  
**Non-Emergency calls:** (866)638-2226  
 (800) 821-7467

## 2. Hazard(s) identification

<b>Physical hazards</b>	Flammable liquids	Category 2
<b>Health hazards</b>	Acute toxicity oral	Category 4
	Serious eye damage	Category 1
	Carcinogenicity	Category 2
<b>Environmental hazards</b>	Hazard to the environment, long-term hazard	Category 1
<b>OSHA defined hazards</b>	Flammable liquid.	
<b>Label elements</b>		

**Signal word**

Danger

**Hazard statement**

Highly flammable liquid and vapor.  
 Harmful if swallowed or inhaled.  
 Causes serious eye damage.  
 Suspected of causing cancer.  
 May cause genetic defects.  
 May damage fertility or the unborn child.  
 May cause respiratory irritation.  
 May cause drowsiness or dizziness.  
 Very toxic to aquatic life with long-lasting effects.

**Precautionary statement  
Prevention**

Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
Keep container tightly closed.  
Ground/bond container and receiving equipment.  
Use explosion-proof electrical/ventilating/lighting/equipment.  
Use only non-sparking tools.  
Take precautionary measures against static discharge.  
Avoid breathing dust/fume/gas/mist/vapours/spray.  
Do not get in eyes, and avoid contact with skin and clothing.  
Wear personal protective equipment as required.  
Wear protective gloves/protective clothing/eye protection/face protection.  
Do not eat, drink or smoke when using this product.  
Do not breathe mist/vapors/spray.  
Wash thoroughly after handling.  
Use only outdoors or in a well-ventilated area.  
Avoid release to the environment.

**Response**

In case of fire: Use water spray, foam, dry powder, or carbon dioxide to extinguish.  
If exposed or concerned: Get medical advice/attention.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician. If eye irritation persists: Get medical advice/attention.  
IF SWALLOWED: Call a poison center or doctor/physician if you feel unwell. Rinse mouth.  
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
Collect spillage.  
Absorb spilled substances with inert material and sweep into appropriate waste containers.

**Storage**

Store locked up.  
Store in a well-ventilated place. Keep cool.  
Keep only in original container.  
Keep container tightly closed.  
Keep at a temperature between 15°C and 30°C.  
Keep out of reach of children.  
Keep away from food, drink, and animal feedstuffs.

**Disposal**

Dispose of waste and residues in accordance with local authority requirements.  
None known.

**Hazard(s) not otherwise  
classified (HNOC)**

**3. Composition/information on ingredients**

**Mixtures**

<b>Chemical name</b>	<b>CAS number</b>	<b>%</b>
Isopropyl alcohol	67-63-0	Proprietary
Benzyl alcohol	100-51-6	Proprietary
Gentian violet	548-62-9	Proprietary
Glycerin	548-62-9	Proprietary

## 4. First-aid measures

### Inhalation

Move to fresh air. If breathing is difficult, give oxygen. If not breathing, provide artificial respirator. Get medical attention immediately.

### Skin contact

Rinse skin with water/shower. Get medical attention if irritation develops and persists.

### Eye contact

Do not rub eyes. Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician or poison control center immediately.

### Ingestion

Rinse mouth. Call a physician or poison control center immediately. Only induce vomiting at the instruction of medical personnel. Never give anything by mouth to an unconscious person.

### Most important symptoms/effects, acute and delayed

Irritation of eyes. Ingestion of a large quantity may cause nausea and systemic effects.

### Indication of immediate medical attention and special treatment needed

Not for human use. For use in animals only. Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed. Persons developing anaphylactic (life threatening) reactions, such as difficulty in breathing or unconsciousness, must receive immediate medical attention.

### General information

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

## 5. Fire-fighting measures

### Suitable extinguishing media

Dry chemical. Water fog. Foam. Carbon dioxide (CO<sub>2</sub>).

### Unsuitable extinguishing media

None known.

### Specific hazards arising from the chemical

During fire, gases hazardous to health may be formed. Combustion products may include: carbon oxides, nitrogen oxides, hydrogen chloride.

### Special protective equipment and precautions for firefighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire. In the event of a fire, do not breathe fumes. Use water spray to cool unopened containers.

### Fire fighting equipment/instructions

Move exposed containers from fire area if you can do so without risk. Withdraw immediately in case of rising sound of venting from safety device or discoloration of container due to fire. Fight fire from a safe distance.

### Specific methods

Use standard firefighting procedures and consider the hazards of other involved materials.

### General fire hazards

No unusual fire or explosion hazards noted.

## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

Eliminate all sources of ignition. No smoking. Ground and bond all equipment when handling this product. Use non-sparking tools. Wear appropriate personal protective equipment (see Section 8). Keep unprotected personnel away. Keep upwind of spill. Keep out of low areas. Ventilate the area. Local authorities should be advised if significant spillages cannot be contained.

### Methods and materials for containment and cleaning up

Large Spills: Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Place spillage in appropriate container for waste disposal. Clean surface thoroughly to remove residual contamination. Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

### Environmental precautions

Avoid discharge into drains, water courses or onto the ground.

## 7. Handling and storage

### Precautions for safe handling

Do not use near fire, sparks, or any other open flame. Take precautionary measures to avoid static discharge. Do not puncture or incinerate container. Avoid contact with eyes, skin, and clothing. Do not taste or swallow. Avoid breathing vapor or mist. Wash hands thoroughly after handling. Use with adequate ventilation. Avoid prolonged exposure. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

### Conditions for safe storage, including any incompatibilities

Store in original tightly closed container. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS). Store away from foodstuffs. Store material between 15°C (59°F) and 30°C (86°F). Store out of direct sunlight.

## 8. Exposure controls/personal protection

### Occupational exposure limits

#### US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value
Isopropyl alcohol (CAS 67-63-0)	PEL	90 mg/m3 400 ppm
Glycerin (CAS 56-81-5)		
Mist, respirable fraction	PEL	5 mg/m3
Mist, total dust	PEL	15 mg/m3

#### US. ACGIH Threshold Limit Values

Components	Type	Value
Isopropyl alcohol (CAS 67-63-0)	STEL	400 ppm
	TWA	200 ppm
Glycerin, mist (CAS 67-63-0)	TWA	10 mg/m3

#### US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
Isopropyl alcohol (CAS 67-63-0)	TWA	400 ppm
	STEL	500 ppm

#### US. AIHA WEELs

Components	Type	Value
Benzyl alcohol (CAS 100-51-6)	WEELs	10 ppm

### Biological limit values

#### ACGIH Biological Exposure Indices

Components	Value	Determinant	Specimen	Sampling Time
Isopropyl alcohol (CAS 67-63-0)	40 mg/l	Acetone	Urine	*

\* - For sampling details, please see the source document.

**Appropriate engineering controls** Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station.

#### Individual protection measures, such as personal protective equipment

**Eye/face protection** Wear safety glasses with side shields (or goggles).

#### Skin protection

**Hand protection** Wear appropriate chemical resistant gloves.

**Other** Wear suitable protective clothing.

#### Respiratory protection

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. In the United States of America, if respirators are used, a program should be instituted to assure compliance with OSAH standard 63 FR 1152, January 8, 1998.

#### Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

#### General hygiene considerations

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

## 9. Physical and chemical properties

<b>Appearance</b>	
<b>Physical state</b>	Liquid.
<b>Form</b>	Liquid.
<b>Color</b>	Blue.
<b>Odor</b>	Alcohol.
<b>Odor threshold</b>	Not available.
<b>pH</b>	3.0 -4.0
<b>Melting point/freezing point</b>	Not available.
<b>Initial boiling point and boiling range</b>	221 °F (105 °C)
<b>Flash point</b>	14.4° C (58° F).
<b>Evaporation rate</b>	Not available.
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit - lower (%)</b>	2.5%
<b>Flammability limit - upper (%)</b>	12.7%
<b>Explosive limit - lower (%)</b>	Not available.
<b>Explosive limit - upper (%)</b>	Not available.
<b>Vapor pressure</b>	Not available.
<b>Vapor density</b>	Not available.
<b>Relative density</b>	1.065
<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	Soluble in cold and hot water
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Auto-ignition temperature</b>	454°C (850°F)
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	Not available.

## 10. Stability and reactivity

<b>Reactivity Chemical stability Possibility of hazardous reactions</b>	The product is stable and non-reactive under normal conditions of use, storage and transport. Material is stable under normal conditions. No dangerous reaction known under conditions of normal use.
<b>Conditions to avoid</b>	Heat, sparks, flame. Contact with incompatible materials.
<b>Incompatible materials</b>	Strong oxidizing agents.
<b>Hazardous decomposition products</b>	Carbon oxides, nitrogen oxides, hydrogen chloride.
<b>Explosive limit - upper (%)</b>	Not available.
<b>Vapor pressure</b>	Not available.
<b>Vapor density</b>	Not available.
<b>Relative density</b>	1.065

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## 11. Toxicological information

### Information on likely routes of exposure

<b>Inhalation</b>	Prolonged inhalation may be harmful.
<b>Skin contact</b>	No adverse effects due to skin contact are expected.
<b>Eye contact</b>	Causes serious eye irritation.
<b>Ingestion</b>	Expected to be a low ingestion hazard.
<b>Symptoms related to the physical, chemical and toxicological characteristics</b>	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Ingestion of a large quantity may cause nausea and systemic effects.

## Information on toxicological effects

**Acute toxicity** Not expected to be acutely toxic.

Components	Species	Test Results
Isopropyl alcohol (CAS 67-63-0)		
<b>Acute</b>		
Dermal LD50	Rabbit	12800 mg/kg
Oral LD50	Rat	4.7 g/kg
Benzyl alcohol (CAS 100-51-6)		
Dermal LD50	Rabbit	2,000 mg/kg
Oral LD50	Rat	1,660 mg/kg
Inhalation LC50	Rat	>500 mg/m <sup>3</sup>
Gentian Violet (CAS 548-62-9)		
Oral LD50	Rat	420 mg/kg
Glycerin (CAS 56-81-5)		
Oral LD50	Rat	12,600 mg/kg

**Skin corrosion/irritation**  
**Serious eye damage/eye irritation** Prolonged skin contact may cause temporary irritation.  
Causes serious eye damage.

### Chronic toxicity

### Respiratory or skin sensitization

**Respiratory sensitization** Not a respiratory sensitizer.

**Skin sensitization** This product is not expected to cause skin sensitization.

**Germ cell mutagenicity** No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

**Carcinogenicity** Gentian violet may cause cancer based on animal data.

### OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

**Reproductive toxicity** Gentian violet may cause adverse reproductive effects based on animal data.

**Specific target organ toxicity - single exposure** Central nervous system (Category 3).

**Specific target organ toxicity - repeated exposure** Not classified.

**Aspiration hazard** Not an aspiration hazard.

**Chronic effects** Prolonged or repeated exposure to gentian violet may cause liver and/or thyroid damage.

## 12. Ecological information

**Ecotoxicity** This product contains a component that is very toxic to aquatic life with long lasting effects.

Components	Species	Test Results
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Isopropyl alcohol (CAS 67-63-0)

### Aquatic

Fish	LC50	Bluegill ( <i>Lepomis macrochirus</i> )	> 1400 mg/l, 96 hours
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Benzyl Alcohol (CAS 100-51-6)

### Aquatic

Fish	LC50	Bluegill ( <i>Lepomis macrochirus</i> )	10 mg/l, 96 hours
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Gentian violet (CAS 548-62-9)

### Aquatic

Fish	LC50	Medaka, high-eyes	0.1 mg/l, 48 hours
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Glycerin (CAS 56-81-5)	Species	Test Results
<b>Aquatic</b>		
Fish	LC50 Rainbow trout	> 51,000 mg/l, 96 hours
<b>Persistence and degradability</b>	No data is available on the degradability of this product.	
<b>Bioaccumulative potential</b>		
<b>Partition coefficient n-octanol / water (log Kow)</b>		
Isopropyl alcohol (CAS 67-63-0)	0.05	
<b>Mobility in soil</b>	No data available.	
<b>Other adverse effects</b>	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.	

### 13. Disposal considerations

<b>Disposal instructions</b>	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Local disposal regulations</b>	Dispose in accordance with all applicable regulations.
<b>Hazardous waste code</b>	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
<b>Waste from residues / unused products</b>	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
<b>Contaminated packaging</b>	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

### 14. Transport information

#### DOT

<b>UN number</b>	UN1219
<b>UN proper shipping name</b>	Flammable liquid, n.o.s. (Isopropanol)
<b>Transport hazard class(es) Class</b>	3
<b>Packing group</b>	II

#### IATA

<b>UN number</b>	UN1219
<b>UN proper shipping name</b>	Flammable liquid, n.o.s. (Ethanol)
<b>Transport hazard class(es) Class</b>	3
<b>Subsidiary risk</b>	3
<b>Packing group</b>	II
<b>Environmental hazards</b>	No

#### IMDG

<b>UN number</b>	UN1219
<b>UN proper shipping name</b>	Flammable liquid, n.o.s. (Ethanol)
<b>Transport hazard class(es) Class</b>	3
<b>Subsidiary risk</b>	
<b>Packing group</b>	II
<b>EMS-No.:</b>	F-E, S-D

**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not established.

### 15. Regulatory information

<b>US federal regulations</b>	All components are listed on or exempt from the U.S. EPA TSCA Inventory List. FEDERAL LAW RESTRICTS THIS DRUG TO USE BY OR ON ORDER OF LICENSED VETERINARIANS.
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**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

Not regulated.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Not listed.

**CERCLA Hazardous Substance List (40 CFR 302.4)**

Isopropyl alcohol (CAS 67-63-0)

LISTED

**Superfund Amendments and Reauthorization Act of 1986 (SARA)****Hazard categories**

Immediate Hazard - Yes  
 Delayed Hazard - No  
 Fire Hazard - No  
 Pressure Hazard - No  
 Reactivity Hazard - No

**SARA 302 Extremely hazardous substance**

Not listed.

**SARA 311/312 Hazardous chemical** Yes**SARA 313 (TRI reporting)**

Chemical name	CAS number	% by wt.
Isopropyl alcohol	67-63-0	1

**Other federal regulations****Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Not regulated.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

Not regulated.

**Safe Drinking Water Act (SDWA)** Not regulated.**US state regulations****US. Massachusetts RTK - Substance List**

Isopropyl alcohol (CAS 67-63-0)

**US. New Jersey Worker and Community Right-to-Know Act**

Isopropyl alcohol (CAS 67-63-0)

**US. Pennsylvania Worker and Community Right-to-Know Law**

Isopropyl alcohol (CAS 67-63-0)

**US. Rhode Island RTK**

Isopropyl alcohol (CAS 67-63-0)

**US. California Proposition 65**

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

**International Inventories**

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan Korea	Inventory of Existing and New Chemical Substances (ENCS)	No
New Zealand	Existing Chemicals List (ECL)	Yes
	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

## 16. Other information, including date of preparation or last revision

**Issue date** 29-May-2015

**Revision date** -

**Further information** Refer to NFPA 30 for safe handling. HMIS® is a registered trade and service mark of the American Coatings Association (ACA).

**HMIS® ratings** Health: 2  
Flammability: 3  
Physical hazard: 0

**NFPA ratings**



**Version #** 01

### Disclaimer

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