



Domoso Gel

Material Safety Data Sheet

WW MSDS No. 00191712

Section 1. Product and Company Identification	
Manufactured/Supplied by	Fort Dodge Animal Health 800 5th Street NW P.O. Box 518 Fort Dodge, IA 50501 Phone: 515-955-4600 Fax: 515-955-9149
Product Trade Name	Domoso Gel
Common Name	Domoso
Synonyms	DMSO
Chemical Formula	Mixture
Chemical Family	Veterinary Pharmaceutical.
Material Uses	Anti-inflammatory Agents.
Packaging	Plastic bottles.
Formula Type	Topical solution
Date of Preparation	11 July 2002
Product No.	00191712
Formula No.	NA
CAS No.	Mixture
U.N. No.	Mixture
EINECS No.	Mixture
In Case of Emergency	515-955-6033

Section 2. Composition - Information on Ingredients				
Name of Ingredients	CAS No.	Conc.	EU Symbol	R Phrase
1) Dimethyl Sulfoxide 2) Nonhazardous ingredients	67-68-5	90% Balance		

Section 3. Hazards Identification - Summary of Primary Effects and Critical Hazards	
Acute Health Effects	Adverse health effects are considered unlikely when the product is administered according to label directions. Product is considered to be relatively non-toxic, but can easily penetrate the skin and may carry other toxic materials present on the skin into the bloodstream. May be harmful if swallowed, and is irritating to the eyes, skin, and mucous membranes.
Chronic Health Effects	Adverse health effects are considered unlikely when the product is administered according to label directions. This product is considered to be relatively non-toxic, but can easily penetrate the skin and can carry toxic materials present on the skin into the bloodstream. No chronic health effects are associated with exposure to this product.
Environmental Hazards	Releases of small quantities are unlikely to affect adversely the functioning of water treatment plants.

Section 4. First Aid Measures - (by medical responders using "Universal Precautions")	
Eye Contact	Causes eye irritation. Flush with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Seek medical attention.
Skin Contact	Causes skin irritation. Product can easily penetrate the skin. Wash thoroughly with soap and water. Seek medical attention if irritation persists.
Inhalation	Inhalation of the product is unlikely if label directions are followed. May be irritating to the respiratory tract. If inhaled, remove to fresh air and seek medical attention immediately.
Ingestion	May be harmful if swallowed. If ingested, seek medical advice immediately and show the container or the label.

Continued on Next Page

Notes to Medical Doctor Domoso is considered to be relatively non-toxic. However, due to its ability to rapidly penetrate the skin, this product can carry other compounds present on the skin into the bloodstream. Patients should be evaluated to determine if any other toxic compounds were introduced into the bloodstream following contact with this product.

Section 5. Fire-Fighting Measures

Extinguishing Media and Instructions	Use DRY chemicals, CO2, alcohol foam or water spray.
Special Exposure Hazards	Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.
Special Fire Fighting Protective Equipment	Full fire-fighting attire and approved certified self-contained breathing apparatus worn only by qualified persons. Avoid skin contact.

Section 6. Accidental Release Measures

Small Spill Guidelines	Absorb with an inert material and place in an appropriate waste disposal container.
Large Spill Guidelines	Dike liquid for later disposal. Absorb with an inert material and put the spilled material in an appropriate waste disposal.
Environmental Precautions	Keep out of waterways.

Section 7. Handling and Storage

Handling (ventilation and fire prevention)	Avoid contact with eyes, skin or clothing.
Storage (conditions and limitations)	Do not reuse product container. Keep container tightly closed in a cool, well-ventilated place out of the reach of children.

Section 8. Exposure Controls and Personal Protection - (normal and intended use)

Exposure Guidelines				
Component	REG. Limit	OSHA (PEL)	ACGIH (TLV®)	Company Guideline
1) Dimethyl Sulfoxide - 3 mg/m3 (FDAH Occupational Exposure Guideline)				
Engineering Design and Control Measures	No special ventilation requirements are typically indicated for intended use of product as described on the label.			
Protective Clothing				
Eyes	Safety glasses with side shields or chemical splash goggles.			
Skin	No special measures are typically indicated. Avoid contact with skin.			
Hands	Gloves, Chemical resistant.			
Respiratory	A respirator is not needed under normal and intended conditions of product use. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product, and the safe working limits of the selected respirator.			

Section 9. Physical and Chemical Properties

Physical State and Appearance	Gel	Odor	Garlic.
Molecular Weight	78.13 (DMSO)	Color	Clear
Boiling Point	189 C (DMSO)	pH	Not determined
Melting/Freezing Point	18.4 C (DMSO)		
Density/Bulk Density	1.101 (DMSO)		
Vapor Pressure	0.42 MM @ 20 C		
Vapor Density	2.7 (DMSO)		
Viscosity	Viscous gel		
Partition Coefficient	Not determined		
Solubility	Soluble in cold water, hot water, methanol, diethyl ether, n-octanol, acetone.		
Flash Point	94 C (DMSO)		
Autoignition Point	300 C (DMSO)		
Explosion Limits	3.5% - 63% (DMSO)		
Dust Explosivity	NA		

Section 10. Stability and Reactivity

Conditions to Avoid and Incompatibility	Copper wool and trichloroacetic acid will react exothermically with DMSO. Incompatible with potassium permanganate, acid halides, cyanuric chloride, silicon tetrachloride, phosphorous trichloride and trioxide, thionyl chloride, magnesium perchlorated, silver fluoride, methyl bromide, iodine pentafluoride, nitrogen periodate, diborane, sodium hydride, perchloric and periodic acids.
Decomposition Products	When heated to decomposition DMSO gives off formaldehyde, methyl mercaptan, and sulfur dioxide.

Section 11. Toxicological Information**Acute Effects**

Component	Test	Result	Route	Species
1) Dimethyl Sulfoxide (DMSO) - Oral LD50 (rat) - 14,500 mg/kg body weight				
Eye Contact		Irritating to the eyes - avoid eye contact. Rinse eyes thoroughly with clear water for 15 minutes, holding upper and lower eyelids open. Seek medical attention.		
Skin Contact		Irritating to the skin. Rapidly penetrates the skin, and will carry other toxic compounds that may be present on the skin into the bloodstream rapidly. Avoid skin contact. Wash affected area thoroughly with soap and water. Seek medical attention if irritation persists.		
Inhalation		Product is unlikely to be inhaled if used as directed on product label. May be irritating to the respiratory tract. If inhaled, remove to fresh air and seek medical attention.		
Ingestion		May be harmful if swallowed. If swallowed, seek medical attention.		

Chronic Effects

Target Organs	Skin and eyes.
----------------------	----------------

Continued on Next Page

Domoso Gel

Page Number: 5 of 5

U.S.A. DOT Class Not a DOT controlled material (United States).**NFPA**

Health



Flammability

Reactivity

Specific hazard

RQ NA**Packaging Instructions** Do not reuse product container.**Section 15. Regulatory Information and Warning Labels****(R) Risk Phrases** R22- Harmful if swallowed. R36/37/38- Irritating to eyes, respiratory system and skin.**(S) Safety Phrases** S02- Keep out of the reach of children S24/25- Avoid contact with skin and eyes*NOTE: This product has been classified in accordance with applicable country-specific regulations.***Section 16. Other Key Information****Other Considerations** See product label and package insert for additional information.11 July 2002 **Responsible for MSDS:** Global Engineering, Environmental and Safety

Fort Dodge Animal Health -- within American Home Products Corporation

Notice to Reader** This symbol indicates information which has changed from the previous MSDS.**The information provided in this MSDS is based on current knowledge, however, this does not constitute a warranty by the Company for that information. The product user is responsible for the appropriate and intended handling, use, and disposal of this product in accordance with label or package precautions and this information. All materials may present unknown hazards and should be used with caution.**MSDSs available in multiple languages*