


## MATERIAL SAFETY DATA SHEET

### Section 1. Identification

<b>Product Identifier:</b>	<b>Drawing Salve</b>		
<b>Other Means of Identification:</b>	Grooming Aid		
<b>Recommended Use:</b>	For use on hooves, nails and skin of horses and dogs		
<b>Manufacturer's Name:</b>	Neogen Corporation	<b>Emergency Phone No.:</b>	859-254-1221
	944 Nandino Blvd.	<b>Fax No.:</b>	859-255-5532
	Lexington, KY 40511	<b>e-mail:</b>	inform@neogen.com
		<b>Chemtrec: (800) 424-9300</b> <b>Outside US and Canada: (703) 527-3887</b>	

### Section 2. Hazards Identification

<b>Health Hazards:</b> <i>(Acute and Chronic)</i>	<b>Classification: This material is classified as hazardous under OSHA regulations (29 CFR 1910.1200)</b> Hazard Classification: Eye irritation – Category 2A Chronic hazard to the aquatic environment – Category 3
<b>Signal Word(s):</b>	<b>Warning</b>
<b>Hazard Statements:</b>	Causes serious eye irritation
<b>Precautionary Statements:</b>	Wash hands thoroughly after handling. Wear eye protection. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
<b>Hazard Pictogram(s):</b>	
<b>Other Hazards Not Otherwise Classified:</b>	None known

### Section 3. Composition / Information on Ingredients

<b>This product is a mixture of the substance(s) listed below with the addition of nonhazardous materials.</b>		
<b>Chemical Name, Common Name &amp; Synonyms:</b>	<b>CAS No.</b>	<b>Concentration</b>
Ammonium bituminosulfonate	8029-68-3	20%

### Section 4. First Aid Measures

<b>First Aid Measures</b>	<b>Inhalation:</b> Not a significant route of exposure.
	<b>Skin Contact:</b> Wash thoroughly after handling.
	<b>Eye Contact:</b> Wear eye protection. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
	<b>Ingestion:</b> Do not ingest.
<b>Most Important Symptoms/Effects, Acute and Delayed</b>	
	<b>Eye Contact:</b> Causes serious eye irritation on contact.
	<b>Inhalation:</b> No known significant effects or critical hazards.
	<b>Skin Contact:</b> No known significant effects or critical hazards.

**Section 4. First Aid Measures**

**Ingestion:** No known significant effects or critical hazards.

**Indication of Immediate Medical Attention and Special Treatment Needed, If Necessary**

Treat symptomatically. No specific treatment required.

**Section 5. Fire-Fighting Measures**

**Extinguishing Media:** Use dry chemical, carbon dioxide or foam.

**Protective Equipment:** Wear self-contained breathing apparatus for firefighting. Do not inhale combustion gases.

**Unusual Fire and Explosion Hazards:** In the event of fire, sulfur dioxide, ammonia, and nitrogen oxides can be released.

**Section 6. Accidental Release Measures**

**Personal Precautions, Protective Equipment and Emergency Procedures:** Wear eye protection.

**Methods and Material for Containment and Cleaning Up:** Scoop up spilled material and mop area with soap and water.

**Special Response Procedures:** None needed.

**Section 7. Handling and Storage**

**Precautions for Safe Handling:** Wear eye protection.

**Conditions for Safe Storage:** Store in original container. Keep out of reach of children.

**Incompatible Materials:** Avoid strong oxidizing agents.

**Section 8. Exposure Controls / Personal Protection**
**Exposure Limits:**

Chemical Name	ACGIH TLV		OSHA PEL		Other Exposure Limits
	TWA	STEL	PEL	STEL	
Ammonium bituminosulfonate	Not established	Not established	Not established	Not established	Oral (rat) LD <sub>50</sub> >10 g/kg

**Section 9. Physical and Chemical Properties**

**Appearance:** Black/brown viscous liquid

**Odor:** Mild to odorless

**pH:** No data

**Melting Point:** 141°C

**Initial Boiling Point and Boiling Range:** Decomposes

**Flash Point:** Greater than 100°C

**Evaporation Rate:** No data

**Flammability:** May be combustible at high temperatures

**Upper/Lower Flammability or Explosive Limits:** No data

**Vapor Pressure:** No data

**Vapor Density:** No data

**Relative Density:** Approximately 0.95

**Solubility:** ≥100 mg/mL at 18°C

**Partition Coefficient:** No data

**Auto-Ignition Temperature:** No data

**Decomposition Temperature:** No data

**Viscosity:** No data

<b>Section 10. Stability and Reactivity</b>	
<b>Reactivity:</b>	Not normally reactive
<b>Chemical Stability:</b>	Stable under normal conditions
<b>Possibility of Hazardous Reactions:</b>	Hazardous polymerization does not occur
<b>Conditions to Avoid:</b>	Avoid contact with incompatible materials
<b>Incompatible Materials:</b>	Precipitation can occur with polyvalent cations and strong acids, respectively
<b>Hazardous Decomposition Products:</b>	None in the case of determination-conformable use.

<b>Section 11. Toxicological Information</b>	
<b>Information on Likely Routes of Exposure:</b>	
Routes of Entry – Inhalation: No	
Routes of Entry – Skin & Eye: Yes	
Routes of Entry – Ingestion: No	
Routes of Entry – Skin Absorption: No	
<b>Potential Health Effects:</b>	
Signs and Symptoms of Short Term (Acute) Exposure:	
Inhalation – Not a likely route of exposure.	
Skin & Eyes – Causes serious eye irritation. Avoid contact with eyes.	
Ingestion – At this concentration, not a likely route of exposure.	
Skin absorption – At this concentration, not a likely route of exposure.	
<b>Potential Chronic Health Effects:</b>	
None known	
<b>Carcinogenicity:</b>	
Not listed by IARC, NTP, OSHA, or ACGIH as a carcinogen	
<b>Mutagenicity:</b>	
Not expected to be mutagenic in humans	
<b>Reproductive Effects:</b>	
Not expected to have reproductive effects in humans	
<b>Sensitization:</b>	
Not a sensitizer.	
<b>Specific Target Organ Effects:</b>	
This product is not classified as toxic.	
<b>Medical Conditions Aggravated by Overexposure:</b>	
Pre-existing eye conditions may be aggravated by contact.	
<b>Toxicological Data:</b>	
The calculated ATE values for this mixture are:	
Oral ATE = 50,000 (Non-toxic)	

<b>Section 12. Ecological Information</b>	
<b>Ecotoxicity:</b>	
log K <sub>ow</sub> = -1.08	

<b>Section 13. Disposal Considerations</b>	
<b>Waste Disposal Method:</b> Dispose in accordance with all applicable federal (40 CFR 261.3), state, and local environmental regulations. Smaller quantities can be disposed of with solid waste.	



Product # (s)79105

**Section 14. Transport Information**

**49 CFR/US DOT Regulations:**

Not Regulated

**Maritime Transport/IMDG:**

Not Regulated

**Marine Pollutant:** No

**Air Transport ICAO-TI and IATA-DGR:**

Not Regulated

**Section 15. Regulatory Information**

**US Federal Information**

**TSCA:** CAS No. 6029-68-3 appears on the Toxic Substances Control Act (TSCA) inventory.

**SARA 313:** Not Regulated

**SARA 311/312 Hazard Categories**

<b>Acute Health Hazard</b>	Yes
<b>Chronic Health Hazard</b>	No
<b>Fire Hazard</b>	No
<b>Sudden Release of Pressure Hazard</b>	No
<b>Reactive Hazard</b>	No

**California Proposition 65:**

Not listed

**Section 16. Other Information**

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Reason(s) for Revision: HCS 2012 compliance

This document is believed to be correct, but does not purport to be all inclusive and shall be used only as a guide. Neogen Corporation shall not be held liable for any damage resulting from handling or from contact with the above product. These suggestions should not be confused with state, municipal or insurance requirements, and constitute NO WARRANTY.