Material Safety Data Sheet

Date: March 24, 2013

Name of Product: BLOOD STOP POWDER

Product Information: Topical Powder

Product Code: 10P-BST00; 10P-BST01; 10P-BST02

D.I.N.: 00236306 (Drug Identification Number)

Manufacturer/Supplier:
Dominion Veterinary Laboratories Ltd.
1199 Sanford Street
Winnipeg, Manitoba R3E 3A1
Telephone: (204) 589-7361
Fax: (204) 943-9612

Product Identification

Product Use: Blood Stop Powder is indicated to check bleeding of minor cuts and wounds.

Chemical Identity/Name: Iron Sulfate (monohydrate) 84.00%
Tannic Acid 1.00%
Ammonium Alum 5.00%
Thymol Iodide 0.10%

Synonyms:
* Sulfuric acid, iron (2+) salt (1:1)
* Iron (II) sulfate (1:1)
* Ferrous sulphate
* Iron sulfate
* Iron vitriol
* Copperas
* Green vitriol
* Sal chalybis

CAS No.: 7720-78-7

Molecular Formula: $FeSO_4$

Regulatory Section

WHMIS Classification: N/A

TDG Classification:

Name:
Class:
P.I.N. #:
Packing Group:
Regulated Limit:

Hazardous Ingredients of Material

Chemical Identity	CAS#/NA#/UN#	Conc. (w/w)	LD50
Ferrous Sulfate	7720-78-7/9125	84.00%	Oral, rat 1480 mg/kg

Physical / Properties Data

Molecular Weight: 151.91
Conversion Factor: 1 ppm = 6.20 mg/m3; 1 mg/m3 = 0.161 ppm at 25 deg C (calculated).
Melting Point: 64 deg C (147 deg F).
Boiling Point: Not available.
Relative Density (Specific Gravity): 1.897 at 20 deg C (water=1) (1).
Solubility in Water: Soluble in all proportions; good (25.6 g/100 mL at 20 deg.
Solubility in Other Liquids: Insoluble in ethanol (1).
Vapour Density: Not available.
Vapour Pressure: Not available.
Saturation Vapour Concentration: Not available.
Evaporation Rate: Not available.
pH Value: 3.7 (10% solution).
Critical Temperature: Not available.
Coefficient of Oil/Water Distribution (Partition Coefficient): Not available.

Stability and Reactivity

Stability: Reacts with oxygen in air to form ferric sulfate.

Hazardous Polymerization: Does not occur.

Conditions to Avoid: Excessive heat.

Incompatibility (Materials to Avoid): Oxidizing agents, bases and carbonates.

Hazardous Decomposition Products: Oxides of sulphur.

Fire or Explosion Data

Conditions of Flammability:	Non-flammable.
Means of Extinguishing:	Use that which is appropriate for surrounding fire.
Flash Point:	Not applicable.
Upper Flammable Limit:	Not applicable.
Lower Flammable Limit:	Not applicable.
Auto Ignition Temperature:	Not applicable.
Hazardous Combustion Products:	Ferrous sulphate may decompose at high temperatures to produce toxic and corrosive materials.
Special Fire Fighting Procedures:	Use full protective clothing and self-contained breathing equipment when this material is involved in a fire situation in an enclosed area.
Explosion Hazards:	None.

Toxilogical and Health Data

Inhalation:	Irritating to the respiratory tract.
Skin Contact:	Irritating.
Eye Contact:	Irritating and can be damaging.
Ingestion:	Excessive quantities can produce gastro-intestinal tract disturbances, severe shock, vomiting (vomitus may become bloody), liver damage, tachycardia and even death (sometimes delayed as much as 3 days).
Chronic Exposure Effects:	Not available.
Exposure Limits:	8 hr. TWA 1mg/m3 as Fe, TLV 1mg/m3 as Fe.
Irritancy:	Moderate.
Sensitization to Product:	Not available.
Mutagenicity:	Not available.
Carcinogenicity:	Not available.
Reproductive Toxicity:	Not available.
Toxicologically Synergistic Materials:	Not available.
Teratogenicity Data:	Not available.
Animal Toxicity Data:	LD50 (oral, rat) 1480 mg/kg.

First Aid Measures

Inhalation:	Move victim to fresh air. Give Artificial Respiration ONLY if required. Give CPR if there is NO breathing AND NO pulse. **OBTAIN MEDICAL ATTENTION IMMEDIATELY**.
Skin Contact:	Flush skin with running water and thoroughly wash with soap and water. If irritation persists seek medical attention.
Ingestion:	Give 1/2 to 1 glass of water to dilute material. If vomiting occurs, lean victim forward with head down to avoid breathing vomitus. DO NOT induce vomiting. **OBTAIN MEDICAL ATTENTION IMMEDIATELY.**
Eye Contact:	Flush eyes with running water for 20 minutes. Hold eyelids open during flushing. If irritation persists seek medical attention.

Preventive Measures

Recommendations listed in this section indicate the type of equipmment which will provide protection against overexposeure to this product conditions of use, adequacy of engineering or other control measures, and actual exposures will dictate the need for specific protective devices at your work place.

Respiratory Protection:	Prolong usage requires NIOSH/MSHA approved respirator.
Eye Protection:	Chemical goggles.
Skin Protection:	Chemical resistant gloves.
Other Personal Protective Equipment:	Coveralls.
Engineering Controls:	Local exhaust or ventilation.
Handling Procedures and Equipment:	Avoid breathing vapours, contact with eyes, skin and clothing. Wash thoroughly after use.
Storage Requirements:	Store in cool, dry, ventilated area. Keep out of reach of children and pets.
Storage Temperature:	Min: 0 deg C. Max: 40 deg C

Enviromental Protection Data

Steps to be taken in the event of a spill or leak: Wear protective equipment. Collect the spill and hold for waste disposal. Ventilate area and wash spill site after material pickup is complete.

Spill and Leak Procedures:	Stop leak, contain spill by diking and absorb with suitable absorbent and transfer into waste container for disposal. Clean area with detergent and water, absorb wash and place in waste container. Remove any contaminated soil for proper disposal.
Waste Disposal:	Dispose of empty container in household garbage. Dispose of waste product in accordance with Local, Provincial or Federal government regulations.
Environmental Effects:	Do not contaminate local water supplies or environments.

Prepared by: David Earn

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