

SAFETY DATA SHEETS

This SDS packet was issued with item:

078081905

The safety data sheets (SDS) in this packet apply to one or more components included in the items listed below. Items listed below may require one or more SDS. Please refer to invoice for specific item number(s).

078156324

MATERIAL SAFETY DATA SHEET

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Vet-A-Mix,
A Division of LLOYD, Inc.
Phone No. (712) 246-4000
Page 1 of 2

P.O. Box 130, Shenandoah, IA 51601-0130

ToxiBan® Granules
MSDS Date: 2/16/93 (Original)
12/19/95; 6/28/06 (Revised)

Product Name: ToxiBan® Granules

1. INGREDIENTS: (% w/w), unless otherwise noted

COMPONENT	CAS#	%	EXPOSURE LIMITS, ppm	
			OSHA PEL	ACGIH TLV (mg/m ³)
Charcoal	7440-44-0	48	15 Total Dust 5 Resp. Dust	10 Total Dust 5 Resp. Dust
Kaolin	1332-58-7	10	10 Total Dust 5 Resp. Dust	10*
Dicalcium Phosphate	7757-93-9	14	--None Established--	

This document is prepared pursuant to the OSHA Hazard Communication Standard (29 CFR 1910.1200). Only those ingredients composing $\geq 1\%$ ($\geq 0.1\%$ for carcinogens or suspect carcinogens) of the formula (w/w) and which have hazards identified are listed.

*ACGIH TLV for kaolin is 10 mg/m³ (TWA) for dust containing no asbestos and <1% free silica.

2. PHYSICAL DATA:

APPEARANCE: Black, granular powder.
Other physical data have not been determined.

3. FIRE AND EXPLOSION HAZARD DATA:

This has not been evaluated.

EXTINGUISHING MEDIA: Water fog, alcohol foam, CO₂, dry chemical.

4. REACTIVITY DATA:

This has not been evaluated. The product is expected to be stable under normal storage conditions; avoid strong oxidizers.

5. ENVIRONMENTAL AND DISPOSAL INFORMATION:

ACTION TO TAKE FOR SPILLS/LEAKS: Sweep up and dispose of in DOT-approved waste containers. Keep out of sewers, storm drains, surface waters and soil.

DISPOSAL METHOD: Dispose of contaminated product and materials used in cleaning up spills or leaks in a manner approved for this material. Consult appropriate federal, state and local regulatory agencies to ascertain proper disposal procedures.

6. HEALTH HAZARD DATA:

EYE: This product may cause transient eye irritation if eye contact occurs.

SKIN CONTACT: This product is not expected to irritate the skin under normal conditions of use.

INGESTION: This has not been evaluated. However, similar activated charcoal products are available for human use and ingestion would not be expected to result in acute harmful effects.

INHALATION: Inhalation exposure to airborne dust may cause irritation of the upper respiratory tract.

Charcoal--Charcoal is considered to be a mild eye irritant and exposure to airborne dust may cause irritation of the upper respiratory tract.

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ToxiBan® Granules
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Kaolin--Inhalation of dust may cause irritation. Extremely large oral dosages may produce gastrointestinal disturbances. No adverse effects are expected from eye contact but dust may cause mechanical irritation. No LD50/LC50 information found (RTECS, 1982) relating to normal routes of occupational exposure. Reproductive effects cited.

Dicalcium Phosphate--Oral LD50 (rat): 10,000 mg/kg; Dermal LD50 (rabbit): >7940 mg/kg.

7. FIRST AID:

EYES: Immediately flush eyes with copious amounts of running water for 15 minutes.

SKIN: Wash with soap and water.

INGESTION: Treatment may not be necessary, see comments above. If treatment is required, it is by gastric lavage or emesis.

INHALATION: If a person has been exposed to excessive quantities of dust due to mishaps, move the person to fresh air. Give artificial respiration if not breathing.

Seek medical attention immediately if excessive exposure occurs.

8. HANDLING PRECAUTIONS:

There is no OSHA PEL or ACGIH TLV for this product. Under normal conditions of use, no special handling precautions are required in areas with adequate ventilation, except normal precautions to reduce the amount of dust generated while handling the product. However, under conditions of prolonged exposure in which quantities of dust are generated, mechanical ventilation, safety glasses with side shields, gloves and a NIOSH approved dust respirator are recommended.

SPECIAL PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Exercise reasonable care and caution. Avoid generation of dust.

Charcoal--Never enter a confined space containing wet, activated carbons since wet carbons will adsorb oxygen and asphyxiation may result.

REGULATORY INFORMATION: (Not meant to be all-inclusive--selected regulations represented.)

NOTICE: The information herein is presented in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ from one location to another; it is the buyer's responsibility to ensure that its activities comply with federal, state or provincial, and local laws. The following specific information is made for the purpose of complying with numerous federal, state or provincial, and local laws and regulations. See MSDS for health and safety information.

U.S. REGULATIONS: SARA HAZARD CATEGORY: This product has been reviewed according to the federal EPA "Hazard Categories" promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to be exempt from reporting requirements. Nevertheless, potential reporters should check with their state emergency response commissions to determine if this product must be reported under applicable state requirements.

Charcoal may contain the following chemical substance subject to reporting requirements of Section 313 of Title III of SARA of 1986: Phosphoric Acid, CAS # 7664-38-2, 10% Maximum.

Dicalcium phosphate contains the following chemicals considered by the State of California's Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) as causing cancer or reproductive toxicity and for which warnings are now required: Arsenic--CAS No. 7440-38-2; Cadmium--CAS No. 7440-43-9; Lead--CAS No. 7439-

MATERIAL SAFETY DATA SHEET

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P.O. Box 130, Shenandoah, IA 51601-0130

ToxiBan® Granules
MSDS Date: 2/16/93 (Original)
12/19/95; 6/28/06 (Revised)

92-1.



MATERIAL SAFETY DATA SHEET

Product Id: Telazol

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Code: 01L60030

Product Name: Telazol

Supplier: Fort Dodge Animal Health
800 5th Street NW
PO Box 518
Fort Dodge, IA 50501

General Information No.: (515) 955-4600
Emergency Telephone No.: (515) 955-6033

Emergency Telephone Number: (800) 424-9300

General Telephone Number: (515) 955-4600

Prepared By: Environmental, Health + Safety

2. COMPOSITION/INFORMATION ON INGREDIENTS

Components	Weight %	ACGIH TWA:	CAS-No.	Wyeth OEG:	Units for TWAs, STELs, ACGIH, OSHA:
Inert Ingredients 0000-00-0	84.2	NA	Various	NA	mg/m3
Mannitol 69-65-8	5.77	NA	69-65-8	Not established	mg/m3
Zolazepam Hydrochloride 33754-49-3	5	NA	33754-49-3	Not established	mg/m3
Tiletamine Hydrochloride NA	5	NA	Not applicable	Not established	mg/m3

3. HAZARDS IDENTIFICATION

Inhalation: May be harmful if inhaled.

Skin Contact: Product is not considered to be irritating to the skin.

Ingestion: Harmful if swallowed.

Eye Contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15

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Product Name: Telazol

minutes. Remove contact lens if present. If redness or irritation persists have eyes examined by a doctor immediately.

4. FIRST AID MEASURES

Eye Contact:	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lens if present. If redness or irritation persists have eyes examined by a doctor immediately.
Skin Contact:	Flush skin with plenty of soap and water for at least 15 minutes. Remove all contaminated clothing and shoes. Get medical attention if symptoms persist.
Inhalation:	No specific treatment, treat symptomatically. If breathing is difficult, give oxygen. If respiratory arrest occurs provide artificial respiration and seek immediate medical assistance.
Ingestion:	No specific treatment, treat symptomatically. Call medical doctor or poison control center immediately if large quantities are ingested. Do not induce vomiting.
Aggravated Conditions:	None known.
Notes to Physician:	Direct treatment at control of symptoms.

5. FIRE FIGHTING MEASURES

Extinguishing Media and Fire Fighting Instructions:	Follow your company's procedures. Use an extinguishing agent suitable for the surrounding class of fire.
Special Hazards:	None. Dispose of fire debris and contaminated fire fighting water in accordance with regulations.
Personal Protective Equipment:	Wear self-contained positive pressure breathing apparatus and full firefighting protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Methods For Cleaning Up:	Put on appropriate personal protective equipment (See Section 8). Use a tool to scoop up and put into appropriate labeled waste container. Keep people out of area. Initiate company's spill response procedures immediately.
Personal Precautions:	Put on appropriate personal protective equipment (see Section 8).
Environmental Precautions:	No special measures are typically indicated.

7. HANDLING AND STORAGE

Handling

Technical Measures/Precautions:	No special technical measures required when product is used as directed on label or package insert.
Safe Handling Advice:	Avoid contact with eyes, skin, and clothing. Avoid generating or breathing product aerosol. Wash after handling.

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Storage

Technical Measures/Storage Conditions:

Keep containers in a well ventilated, secure location. Store tightly closed in original container.

Incompatible Products:

Not applicable

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Measures:

General ventilation is typically sufficient to keep airborne levels below established values when product is used as directed on label or on package insert. Provide eye wash and quick drench shower close to work station. Clean, appropriately launder, or dispose of all potentially contaminated work clothing, foot wear, and protective equipment after use.

Personal Protective Equipment

Respiratory Protection:

Respirator selection must be based on anticipated exposure levels, product hazards, and the safe working limits of the selected respirator. A respirator is not needed under normal and intended conditions of product use.

Hand Protection:

Chemical resistant gloves.

Skin and Body Protection:

Lab coat.

Eye Protection:

Safety glasses goggles, face-shield where product aerosol or splash potential exists.

Hygiene Measures:

Avoid contact with skin, eyes and clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Color: off-white
Odor: No information available
pH: 3.5 to 5.5 (acidic)
Boiling Point/Range: 100 deg C
Melting Point/Range: Not available.
Density: 1.52 (Water = 1) (Mannitol)

Vapor Density: not determined

Physical State: Solution. Liquid
Vapor Pressure: no data available
Viscosity: Not determined
Partition Coefficient: Not applicable
Solubility: partly soluble cold water, hot water
Solubility in Other Solvents: None known

Flash Point: Not flammable.

Explosion limits

- upper no data available
- lower no data available

Autoignition Temperature: Not applicable

Decomposition Temperature: Not applicable

Dust Explosivity: Not applicable.

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Product Name: Telazol

10. STABILITY AND REACTIVITY

Stability:	Stable under recommended storage conditions.
Conditions to Avoid:	Reactive with oxidizing agents, reducing agents.
Materials to Avoid:	oxidising agents reducing agents
Polymerization:	no data available
Hazardous Decomposition Products:	No data available

11. TOXICOLOGICAL INFORMATION

Acute Toxicity:	
LD50/oral/rat =	Mannitol: 13,500 mg/kg.
LC50/inhalation/rat =	not determined
Principle Routes of Exposure:	Gastrointestinal tract.
Eye Contact:	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lens if present. If redness or irritation persists have eyes examined by a doctor immediately.
Skin Contact:	Product is not considered to be irritating to the skin.
Ingestion:	Harmful if swallowed.
Inhalation:	not determined
Chronic Toxicity:	
Target Organs	Central Nervous System (CNS).
Specific Effects:	Adverse effects could include dizziness blurred vision nausea
Sensitization:	Not known to be a skin sensitizer.
Carcinogenic Effects:	Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.
Mutagenic Effects:	Not mutagenic in a standard battery of genetic toxicological tests.
Teratogenic Effects:	Effects on the embryo, fetus or newborn.
Reproductive Toxicity:	No evidence of human reproductive effects.
Aggravated Conditions:	None known.

12. ECOLOGICAL INFORMATION

Revision Date: 6/1/2007
Product Name: Telazol

Environmental Fate: Not available.

Environmental Hazards: No known significant effects or critical hazards.

Ecotoxicity Effects: no data available

Aquatic Toxicity: LC50/96 hours/bluegill= 1.4 mg/L (benzethonium chloride).

Mobility: Not applicable

Bioaccumulation: Not applicable

Environmental Precautions: No special measures are typically indicated.

13. DISPOSAL CONSIDERATIONS

Waste/Unused Products: Avoid disposal, make attempts to use product completely in accordance with intended use. Incinerate unwanted products and waste materials.

Contaminated Packaging: Not applicable

14. TRANSPORT INFORMATION

DOT (Road/Rail Transport)

UN/ID Number: Not controlled.
Proper Shipping Name: Not controlled.
Hazard Class: Not controlled.
Packing Group: Not controlled.
DOT Reportable Quantity (lbs): Not controlled.
Marine Pollutant: Not controlled

ICAO/IATA (Air Transport):

UN/ID Number: Not controlled.
Proper Shipping Name: Not controlled.
Hazard Class: Not controlled.
Packing Group: Not controlled.

IMO/MDG (Maritime Transport):

UN/ID Number: Not controlled.
Proper Shipping Name: Not controlled.
Hazard Class: Not controlled.
Packing Group: Not controlled.
Marine Pollutant: No

15. REGULATORY INFORMATION

Indication of Danger: Not controlled

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Product Name: Telazol

Other Regulations:

Not controlled

16. OTHER INFORMATION

Additional Advice: Use this product only in accordance with the directions provided on the product label or the package insert.

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 insert precautions and this information. All materials may present unknown hazards and should be used with caution.

*** End of Safety Data Sheet ***

Revision Date: 6/1/2007
Product Name: Telazol

SAFETY DATA SHEET

TOXIBAN® GRANULES

Revision 01

Revision Date: 16 June 2015

1. IDENTIFICATION

Product Name: Toxiban® Granules

Synonyms: Water Miscible Charcoal-Sorbitol-Kaolin

Company: **LLOYD, Inc.**
604 West Thomas Avenue
P.O. Box 130
Shenandoah, IA 51601-0130
USA
(712) 246-4000

Emergency Contact: National Capital Poison Center
(800) 222-1222

Recommended Use: For use as an aid in the treatment of poisoning by most organic chemicals in domestic animals.

2. HAZARDS IDENTIFICATION

WARNING



EYE: This product may cause transient eye irritation if eye contact occurs.

SKIN CONTACT: This product is not expected to irritate the skin under normal conditions of use.

INGESTION: This has not been evaluated. However, similar activated charcoal products are available for human use and ingestion would not be expected to result in acute harmful effects.

INHALATION: Inhalation exposure to airborne dust may cause irritation of the upper respiratory tract. Inhalation may also occur secondarily to emesis after ingestion and can cause aspiration pneumonia.

SIGNS AND SYMPTOMS OF EXPOSURE: Charcoal--Charcoal is considered to be a mild eye irritant and exposure to airborne dust may cause irritation of the upper respiratory tract.

Kaolin--Inhalation of dust may cause irritation. Extremely large oral dosages may produce gastrointestinal disturbances. No adverse effects are expected from eye contact but dust may cause mechanical irritation. No LD50/LC50 information found (RTECS, 1982) relating to normal routes of occupational exposure. Reproductive effects cited.

Dicalcium Phosphate--Oral LD50 (rat): 10,000 mg/kg; Dermal LD50 (rabbit): >7940 mg/kg.

3. INFORMATION ON INGREDIENTS

(% w/w), unless otherwise noted

COMPONENT	CAS#	%	EXPOSURE LIMITS, ppm	
			OSHA PEL	ACGIH TLV (mg/m ³)
Charcoal	7440-44-0	48	15 Total Dust 5 Resp. Dust	10 Total Dust 5 Resp. Dust
Kaolin	1332-58-7	10	10 Total Dust 5 Resp. Dust	10 *
Dicalcium Phosphate	7757-93-9	14	--None Established--	

This document is prepared pursuant to the OSHA Hazard Communication Standard (29 CFR 1910.1200). Only those ingredients composing $\geq 1\%$ ($\geq 0.1\%$ for carcinogens or suspect carcinogens) of the formula (w/w) and which have hazards identified are listed.

*ACGIH TLV for kaolin is 10 mg/m³ (TWA) for dust containing no asbestos and <1% free silica.

4. FIRST AID MEASURES

EYES: Immediately flush eyes with copious amounts of running water for 15 minutes.

SKIN: Wash with soap and water.

INGESTION: Treatment may not be necessary, see comments above. If treatment is required, it is symptomatic and supportive with emphasis on maintaining hydration, electrolyte balance, and monitoring of gut motility.

INHALATION: If a person has been exposed to excessive quantities of dust due to mishaps, move the person to fresh air. Monitor for signs of breathing difficulty if emesis occurs and seek medical attention if signs are present. Give artificial respiration if not breathing.

SEEK MEDICAL ATTENTION IMMEDIATELY IF EXCESSIVE EXPOSURE OCCURS.

5. FIREFIGHTING MEASURES

This has not been evaluated.

Extinguishing media: Water fog, alcohol foam, CO₂, dry chemical.

6. ACCIDENTAL RELEASE MEASURES

Action to take for spills/leaks: Sweep up and dispose of in DOT-approved waste containers. Keep out of sewers, storm drains, surface waters and soil.

7. HANDLING AND STORAGE

Special precautions to be taken in handling and storage: Exercise reasonable care and caution. Avoid generation of dust.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

There is no OSHA PEL or ACGIH TLV for this product. Under normal conditions of use, no special handling precautions are required in areas with adequate ventilation, except normal precautions to reduce the amount of dust generated while handling the product. However, under conditions of prolonged exposure in which quantities of dust are generated, mechanical ventilation, safety glasses with side shields, gloves and a NIOSH approved dust respirator are recommended.

Charcoal--Never enter a confined space containing wet, activated carbons since wet carbons will adsorb oxygen and asphyxiation may result.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Black, granular powder.

Other physical data have not been determined.

10. STABILITY AND REACTIVITY

This has not been evaluated. The product is expected to be stable under normal storage conditions; avoid strong oxidizers.

11. TOXICOLOGICAL INFORMATION

N/A

12. ECOLOGICAL INFORMATION

Action to take for spills/leaks: Sweep up and dispose of in DOT-approved waste containers. Keep out of sewers, storm drains, surface waters and soil.

13. DISPOSAL CONSIDERATIONS

Dispose of contaminated product and materials used in cleaning up spills or leaks in a manner approved for this material. Consult appropriate federal, state and local regulatory agencies to ascertain proper disposal procedures.

14. TRANSPORT INFORMATION

No special transportation required

15. REGULATORY INFORMATION

(Not meant to be all-inclusive--selected regulations represented.)

NOTICE: The information herein is presented in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ from one location to another; it is the buyer's responsibility to ensure that its activities comply with federal, state or provincial, and local laws. The following specific information is made for the purpose of complying with numerous federal, state or provincial, and local laws and regulations. See SDS for health and safety information.

U.S. REGULATIONS: SARA HAZARD CATEGORY: This product has been reviewed according to the federal EPA "Hazard Categories" promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to be exempt from reporting requirements. Nevertheless, potential reporters should check with their state emergency response commissions to determine if this product must be reported under applicable state requirements.

Charcoal may contain the following chemical substance subject to reporting requirements of Section 313 of Title III of SARA of 1986: Phosphoric Acid, CAS # 7664-38-2, 10% Maximum.

Dicalcium phosphate contains the following chemicals considered by the State of California's Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) as causing cancer or reproductive toxicity and for which warnings are now required: Arsenic--CAS No. 7440-38-2; Cadmium--CAS No. 7440-43-9; Lead--CAS No. 7439-92-1.

16. OTHER INFORMATION

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.