

MATERIAL SAFETY DATA SHEET

LLOYD, Inc.

Phone No. (712) 246-4000

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

ToxiBan® Suspension

ToxiBan® Suspension w/Sorbitol

MSDS Date: 2/16/93 (Original)

7/20/94; 12/19/95; 6/28/06; 6/29/10 (Revised)

Product Name: ToxiBan® Suspension and ToxiBan® Suspension w/Sorbitol

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

COMPONENT	CAS#	%	EXPOSURE LIMITS, ppm	
			OSHA PEL	ACGIH TLV (mg/m ³)
Glycerine	56-81-5	23.5	10	10 (mist)
Charcoal	7440-44-0	8.7	15 Total Dust 15 Resp. Dust	10 Total Dust 5 Resp. Dust
Kaolin	1332-58-7	5.2	10 Total Dust 5 Resp. Dust	10*
Methylparaben	99-76-3	1.5	--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 identified hazards are listed. The exposure limits associated with glycerine mist, charcoal and kaolin are not applicable to this product as it is a suspension.

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

2. PHYSICAL DATA:

APPEARANCE: Black, smooth, viscous suspension. Specific gravity = 1.21. 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: Cover with absorbent material, soak up and 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 under normal conditions of use is not likely to cause adverse effects.

Glycerine--Repeated excessive exposure may cause kidney and liver effects, and increased fat levels in blood. Observations in animals include gastrointestinal irritation with very large oral doses. Birth defects are unlikely. Exposures having no adverse effects on the mother should have no effect on the fetus.

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Reproduction studies indicate that glycerine does not directly interfere with reproduction in animals. When animals were maintained on synthetic diets or dosed at extremely high levels, reproduction in females was affected-perhaps due to altered nutritional states. Oral LD50 (rat): 17-27.2 g/kg; Rabbit (dermal): 500 mg/24 hr moderate irritation.

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.

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. 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.

Charcoal--Never enter a confined space containing wet, activated carbons since wet carbons will adsorb oxygen and asphyxiation may result. This hazard does not exist with the ToxiBan Suspension or ToxiBan Suspension w/Sorbitol.

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.