Safety Data Sheet

AcoustiTECH Lead 3.3™, AcoustiTECH Lead 4.5™ AcoustiTECH Lead 6™ membranes

Section 1. Product name and Manufacturer

Product identification: **AcoustiTECH Lead 3.3™, AcoustiTECH Lead 4.5™, AcoustiTECH Lead 6™** membranes
CAS: Not applicable
Recommended uses: Acoustical membranes for glued down wood flooring

Manufactured for:

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Section 2. Hazards identifications

GHS Classification:

Not regulated under GHS

Section 3. Composition and information on the ingredients

Name	CAS	Concentration %
Polyethylene terephthalate polymer (PET)	25038-59-9	< 91.6
Titanium dioxide	13463-67-7	< 1.5
Aluminum	7429-90-5	< 6.9

Section 4. First aid measures

Description of necessary First-aid measures:
Eyes: Flush eyes with plenty of water. Check for contact lenses; carefully remove them if you can.
Skin: Rinse skin with plenty of water and wash exposed areas with soft soap and water.
Inhalation: Move the victim to fresh air. Obtain medical assistance if you feel unwell.
Ingestion: Unlikely, however, rinse mouth with water. Obtain medical help if you feel unwell.

Most important symptoms/ effects, acute and delayed:
Unlikely. Possible irritation symptoms in case of over exposure.

Indication of immediate medical attention and special treatment needed, if necessary:
Unlikely. Get medical attention in case of irritation symptoms.

Section 5. Fire fighting measures

Suitable extinguishing media
Use fire fighting methods and materials that are appropriate for surroundings.

Specific hazard arising from the chemical
Product will ignite in the presence of flame and extreme heat.

Special protective actions for fire-fighters
Fire fighters should wear NIOSH approved, positive pressure, self-contained breathing apparatus and full protective clothing when appropriate.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures
For non emergency personnel: Avoid contaminated area.
For emergency personnel: Isolate spill and stop leak where safe. Wear appropriate protective equipment including safety glasses, dust mask and work gloves during clean up.

Environmental precautions:
Not applicable.

Methods and material for containment and cleaning up:
Collect the residues and dust with a vacuum cleaner to minimise dust emanation.

Section 7. Handling and Storage

Precaution for safe handling:
While handling the product, wear long sleeves, work gloves, safety glasses and dust mask. After handling, wash contaminated areas with soft soap and water. Wash work clothes separately.

Conditions for safe storage:
Store in a climate and moisture controlled area.

Section 8. Exposure Controls, Personal Protections

Control parameters for Titanium dioxide:
OSHA PEL: TWA 15 mg/m^3
ACGIH TLV: TWA 10 mg/m^3 (total dust) 8 hrs

Appropriate engineering controls:
General ventilation should be sufficient to control dust levels in operating areas.

Individual protection measures:

Eyes/Face protection: Safety glasses with side shields.
Skin protection: Wear work gloves and long sleeves.
Respiratory protection: Wear NIOSH approved dust mask when dust is generated by sawing or tearing.

Section 9. Physical and chemical properties

Physical state: Solid
Color: variable
Odor: Not available
Odor level: Not available
Melting point/Freezing point: > 255°C (490°F)
Boiling point: Not available
Flammability: Product will ignite if exposed to flame or extreme heat.
Lower and upper explosion limits: Data not available
Flash point: Data not available
Auto-ignition temperature: > 300°C (>572°F)
Decomposition temperature: Data not available
pH: Data not available
Kinematic viscosity: Data not available
Solubility: Not soluble in water
Partition in coefficient n-octanol/water: Data not available
Vapour pressure: Data not available
Density: Data not available
Relative vapour density: Data not available
Particle characteristics: Data not available

Section 10. Stability and reactivity

Chemical stability: Stable under normal conditions
Possibility of hazardous reactions: Product is not reactive under normal conditions
Condition to avoid: Excessive heat should be avoided. Minor amounts of vapors are produced at approximately 225 ºC. These vapors increase gradually above the thermal degradation of 300 ºC and oxidizing pyrolysis will take place. Above 300 ºC, the heat can accelerate the temperature rise which accelerates the decomposition. Under these circumstances, dangerous substances such as carbon monoxide, formaldehyde and acrolein can be emanated.
Incompatible materials: Strong acids, strong bases, oxidizing material
Hazardous decomposition products: Carbon oxides

Section 11. Toxicological information

Acute toxicity

Titanium Dioxide	13463-67-7	LC_{50} Oral – Rat - 10000 mg/kg LC_{50} Inhalation - >5.09 mg/L – 4h

Skin corrosion / irritation
Data not available
Serious eye damage / irritation
Data not available
Respiratory or skin sensitisation
Data not available
Gem cell mutagenicity
Data not available
Carcinogenicity
Not classified as a human carcinogen
Reproductive toxicity
Data not available
STOT- Single exposure
Data not available
STOT- repeated exposure
No data available
Aspiration hazard
No data available
Information on likely route of exposure:
Inhalation, eyes and skin

Section 12. Ecological information

Ecological data:

Name	Results	Species	Period
Aluminum	LOEC 0.1 mg/L	Ctenopharyngodon idella	96 h
	LC_{50} 0.12 mg/L	Rainbow trout	96 h

Persistance and degradability
Data not available

Bioaccumulative potential
Aluminum is biocumulative: Salvelinus fontinalis – 56d
Bioconcentration factor (BCF): 36

Mobility in soil
No data available

PBT and vPvB assessment
No data available

Other adverse effects
Very toxic to aquatic life with long lasting effects.

Section 13. Disposal considerations

Waste disposal: Residue should be laid out in a land fill, according to the federal, provincial and local regulations. Waste is not regarded as being dangerous defined according to RCRA (section 261 of CFR 40).

Section 14. Transportation Information

DOT: Not dangerous good
IMDG: Not dangerous good
IATA: Not dangerous good

Section 15. Regulatory information

WHMIS Classification:

D2B - Others toxic effects, irritant

U.S. Federal regulations

TSCA 8(b) inventory: Not listed

NFPA Classification:

Health: 0
Flammability: 1
Reactivity: 0
Specials conditions: None

Legend: 4: Severe, 3: High, 2: Moderate, 1: Slight, 0: None

Section 16. Additional information

Date of issue: March 30th, 2016
Supersedes :: September 2nd, 2010
Validate by: **Toxyscan inc., 1-866-780-0599**

Notice to reader:
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References:
- ANSI Z400.1, MSDS Standard, 2001.
- Manufacturer's Material Safety Data Sheet.
- 29CFR Part1910.1200 OSHA MSDS Requirements.
- 49CFR Table List of Hazardous Materials, UN#, Proper Shipping Names, PG. -Canada
- Gazette Part II, Vol. 122, No. 2 Registration SOR/88-64 31 December, 1987 Hazardous Products Act "Ingredient Disclosure List".
- Canadian Transport of Dangerous Goods, Regulations and Schedules, Clear Language version 2002.
- The Globally Harmonized System of Classification and Labelling of Chemicals (GHS) http://www.hc-sc.gc.ca/a
- Material safety data sheet from de components.