

Material Safety Data Sheet

Material Name: FiberDuck Sorbent Socks and Booms

Section 1 – Chemical Product and Company Identification

Product Name: FiberDuck Sorbent Socks and Booms

CAS#: None assigned

Generic name: Fiber Glass Sorbent

Chemical Name: Mixture

Section 2 – Composition / Information on Ingredients

Chemical Name: Glass, oxide, chemicals

CAS#: 65997-17-3

Common Name: Fibrous glass wool

Percent in Product: 99% maximum by weight

LD₅₀: N/A

LC₅₀: N/A

Exposure Limits:

OSHA PEL TWA

Total nuisance dust:

15 mg/m³

Respirable Nuisance Dust:

5 mg/m³

HSPP Voluntary: 1 f/cc

See section 16 for definitions of respirable fibers.

ACGIH TLV TWA

Synthetic Vitreous

Fibers – Glass Wool

Fibers: 1 f/cc

NIOSH REL TWA

Total Glass Dust: 5 mg/m³

Respirable Fibers: 3 f/cc

Chemical Name: Distillates (petroleum), solvent dewaxed and/or hydrotreated heavy paraffinic

CAS#: 64742-65-0 and/or 6472-54-7

Common Name: Petroleum hydrocarbons

Percent in Product: 6% maximum by weight

LD₅₀: N/A

LC₅₀: N/A

Exposure Limits:

OSHA PEL TWA

Oil Mist (Mineral) 5 mg/m³

ACGIH TLV TWA

5 mg/m³

NIOSH REL TWA

5 mg/m³

STEL 10 mg/ m³

Section 3 – Hazards Identification

Emergency Overview

	<u>Health</u>	<u>Fire</u>	<u>Reactivity</u>	<u>Degree of Hazard</u>
NFPA Rating:	0	0	0	0 – Minimal (Insignificant)
HMIS Rating:	1*	0	0	1 – Slight
				2 – Moderate
				3 – Serious (High)
				4 – Severe (Extreme)
				5 – Chronic Health Effect(s)

(See section 16 for acronyms)

Potential Health Effects

Primary Routes of Entry: Inhalation, skin and eye contact

Acute Inhalation: Temporary upper respiratory irritation

Chronic Inhalation: None known

Acute Skin Contact and Sensitization: Temporary skin irritation seen in certain individuals

Chronic Skin Contact: None Known

Skin Absorption: None

Acute Eye Contact: Temporary eye irritation

Chronic Eye Contact: None known

Medical Conditions Which may be Aggravated: Pre-existing conditions which may be aggravated by mechanical irritants upon inhalation or skin contact.

Carcinogenicity:

Ingredient: Fiber glass wool, Glasswool (respirable sizes)

IARC: Group 3, not classifiable as to carcinogenicity to humans

NTP: Listed as 2, reasonably anticipated to be a carcinogen, sufficient evidence from studies in experimental animals

OSHA: Not Listed

Mutagenicity: None

Teratogenicity: None

Reproductive Toxicity: None

Toxicological Synergistic Products: None

Other Potential Health Risks:

Hearing Conservation: Some blowing machines, used to install glass wool products, create elevated sound levels which may affect worker's hearing. Use of hearing protection by workers exposed above 85 dB(A) as an 8-hour TWA is recommended.

Section 4 – First Aid Measures

Inhalation: Remove from exposure. Get medical help if irritation persists

Skin: Cleanse with soap and water. Get medical help if irritation persists.

Ingestion: Unlikely. Consult physician if unusual reaction is noted.

Eyes: Flush well with running water for at least 15 minutes. Get medical help if irritation persists.

Fires: Remove to fresh air. Administer oxygen and get medical help.

Notes to Physician: Skin irritation response well to mild hydrocortisone cream.

Section 5 – Fire Fighting Measures

Flash Point: Does not support combustion

Upper Flammable Limit (UFL): N/A

Lower Flammable Limit (LFL): N/A

Auto Ignition: N/A

Extinguishing Media: Use that which is applicable to surrounding fire.

Conditions of Flammability and Special Fire Fighting Procedures: Treat as residential building materials.

Unusual Fire and Explosion Hazard, Decomposition Products: None. Comparative animal inhalation toxicity studies of combustion products on a number of fiber glass wool products found them to be more toxic than wool, based on incapacitation and mortality. A non-hazardous mineral oil dust suppressant additive may emit carbon monoxide as a decomposition product.

Section 6 – Accidental Release Measures

Spills / Leaks: Vacuum dust deposits.

Accidental or Unplanned Release: Clean area with vacuum or wet methods.

Section 7 – Handling and Storage

Handling Procedures:

When handling or applying this material:

Wear long sleeves, gloves and cap

Wear eye protection (goggles, safety glasses or face mask)

Use a NIOSH-Certified disposable or reusable particulate respirator with an efficiency of N95 or higher.

After handling and/or applying this material:

Storage Procedures: Store under cover to protect product.

Section 8 – Exposure Controls / Personal Protection

PERSONAL PROTECTIVE EQUIPMENT:

Respirators: Wear NIOSH-certified respirators when handling and applying fiber glass wool products in accordance with the following NIOSH-based exposure guidelines.

Exposure

Less than 10 times exposure guideline
 Less than 50 times exposure guidelines

Respirator

½ mask N95 or higher
 Full-face N100 or higher

Work Practices and Engineering Controls: Avoid spread of fiber glass duct. Provide general and/or local exhaust ventilation to control airborne dust levels below exposure limits.

Product Package Label:**WARNING**

Contains fiber glass wool which, under the National Toxicology Program, is a possible cause of cancer if inhaled. This product contains a chemical known to the State of California to cause cancer.

This fiber glass wool may cause temporary skin, eye, throat and upper respiratory irritation. Product contain cured binder with urea, formaldehyde and phenol.

In 2001, the International Agency for Research on Cancer (IARC) reclassified glass wool as Group 3, not classifiable as to carcinogenicity to humans.

Section 9 – Physical & Chemical Properties

Physical State: Solid

Boiling Point: N/A

Softening Point: 1300° F

Melting Point: 2200° F

Odor: None

Odor Threshold: None

Color: White

pH: N/A

Appearance: White, unbonded glass fibers

Vapor Density (Air = 1): A/P

Specific Gravity (H₂O = 1) Glass = 2.5

% Volatile by Volume: N/A

Vapor Pressure: N/A

Evaporative Rate (ethyl ether = 1): N/A

% Solubility (H₂O): Small

Freezing Point: None

Coefficient of Water to Oil Distribution: None

Section 10 – Chemical Stability & Reactivity Information

Chemical Stability: Material is stable

Corrosivity: None

Incompatibility: Hydrofluoric Acid

Reactivity: None

Reactivity with water: None

Explosion: Product is not sensitive to mechanical impact or static discharge.

Section 11 – Toxicological Information

Following a thorough review of all of the medical-scientific data available at a meeting in October 2001, the IARC panel lowered the classification for glass wool fibers from a Group 2B classification (“possibly carcinogenic to humans”) to a Group 3 classification (“not classifiable as to carcinogenicity to humans”). IARC said that there is “no evidence of increased risk of lung cancer or of mesothelioma...from occupational exposures during the manufacture of these materials, and inadequate evidence overall of any cancer risk.”

Section 12 – Ecological Information

This product is not manufactured with, nor does it contain and Class I Ozone depleting chemicals as defined by EPA in Title VI of the Clean Air Act Amendments of 1990 40 CFR Part 82, Protection of Stratospheric Ozone.

This product is not classified as a hazardous air pollutant in Title III Clean Air Act of 1990.

Fiber glass is hydrophobic, therefore, no adverse environmental effects would be expected if this product were released in the water or soil. No harm to fish or wildlife would be caused by this product.

Section 13 – Waste Disposal Considerations

Scrap material should be disposed of in a sanitary landfill in accordance with federal, state, and local regulations. Waste material is not considered hazardous as defined by RCRA (40 CFR Part 261).

Section 14 – Transportation Information

National Motor Freight Classification (NMFC): 103300S3, Glass Wool – NOI (Not Otherwise Indexed)

Section 15 – Regulatory Information

As this product is considered a mixture, each component is listed below identifying its status on specific regulatory lists.

Chemical Name	SARA Title III Section 313	SARA Title III Section 302	California Proposition 65	Canada DSL	Canada NDSL	Korea KECI	Europe EINECS	Japan MITI	Philippines PICCS	Australia AICS	USA RSCA
Fiber glass 65997-17-3			X*	X		X	X	X	X	X	X
Petroleum Hydrocarbons 64742-65-0 and/or 64742-54-7				X		X	X			X	X

*Listed as glass wool fibers (airborne particulate of respirable sizes)

Section 16 – Additional Comments

Acronyms/definitions used in this MSDS

ACGIH:	American Conference of Governmental Industrial Hygienists
CAS No:	Chemical Abstracts Service Number
dB(A):	decibel, "A" weighted. A unit of sound level measurement
EPA:	Environmental Protection Agency
f/cc:	Fibers per cubic centimeter
HMIS:	Hazardous Material Identification System
HSPF:	Health & Safety Partnership Program between OSHA and the North American Insulation Manufacturer's Association (NAIMA)
IARC:	International Agency for Research on Cancer
LC ₅₀ :	The air concentration of a substance, when administered over a specified time period in an animal assay, is expected to cause the death of 50% of a defined animal population.
LD ₅₀ :	The single dose of a substance that, when administered by a defined route in an animal assay, is expected to cause the death of 50% of a defined animal population.
LEL:	Lower Exposure Limit
mg/m ³ :	Milligrams per cubic meter
N/A:	Not Applicable
NFPA:	National Fire Protection Association
NIOSH:	National Institute for Occupational Safety and Health
NMFC:	National Motor Freight Classification
NOI:	Not Otherwise Indexed
NTP:	National Toxicology Program
N95:	A particulate filter respirator certified for at least 95% filter efficiency. For use in atmospheres containing solid or particulate hazards that do not contain oil.
N100:	A particulate filter respirator certified for 99.97% filter efficiency. For use in atmospheres containing solid or particulate hazards that do not contain oil.
OSHA:	Occupational Safety and Health Administration
PEL:	Permissible Exposure Limit
RCRA:	Resource Conservation and Recovery Act
REL:	Recommended Exposure Limit
SARA:	Superfund Amendments and Reauthorization Act
STEL:	Short Term Exposure Limit
Title III:	Emergency Planning and Community Right to Know Act Section 302- Extremely Hazardous Substances Section 313- Toxic Chemicals
TLV:	Threshold Limit Value
TSCA:	Toxic Substances Control Act (USA)

TWA: Time Weighted Average
UEL: Upper Explosive Limit

Australia AICS:	Australian Inventory of Chemical Substances
California Proposition 65:	California Title 22, Division 2, Chapter 3 Safe Drinking Water and Toxic Enforcement Act of 1986
Canada DSL:	Canadian Domestic Substance List
Canada NDSL:	Canadian Non-Domestic Substance List
Europe EINECS:	European Inventory of Existing Commercial Chemical Substances
Japan MITI:	Ministry of International Trade and Industry
Korea KECI:	Korean Existing Chemicals Inventory
Philippines PICCS:	Philippine Inventory of Chemicals and Chemical Substances
Respirable Nuisance Dust:	The respirable fraction of suspended airborne particulates
Respirable Fibers (ACGIH):	Suspended airborne particulates with lengths greater than 5 microns and a 3:1 length to width aspect ratio. Results given as f/cc
Respirable Fibers (HSPP):	Suspended airborne particulate with diameters of 3 micrometers or less, lengths of 5 micrometers or more and 5:1 length-to-width aspect ratio (NIOSH 7400 method, B rules). Results given as f/cc.
Respirable Fibers (NIOSH):	Suspended airborne particulate with diameters of 3.5 microns or less and lengths of 10 microns or more. Results given as f/cc.
Total Nuisance Dust:	Suspended airborne particles of "nuisance" dusts including those of non-respirable sizes.
Total Glass Dust:	Suspended airborne particles of dust composed of glass only, including those of non-respirable size

Other Information

The information herein is presented in good faith and believed to be accurate as of the effective date given. However, no warranty, expressed or implied, is given. It is the buyer's responsibility to ensure that its activities comply with Federal, State or provincial and local laws.

Contact information:

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This is the end of MSDS