

SAFETY DATA SHEET

Section 1 – Product And Company Identification

PRODUCT

PRODUCT NAME: 9140, 9141, 9143 EXOWRAP
PRODUCT DESCRIPTION: Insulation system
PRODUCT USE: A one-step insulation system to insulate high temperature surfaces in vessel engine rooms.

MANUFACTURER INFORMATION

INNOVATIVE MANUFACTURING INC
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EMERGENCY INFORMATION

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Section 2 – Hazards Identification

GHS Hazard Classification

This product is exempt from hazard classification according to OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Hazard Pictograms: Not regulated material.

Signal word Not regulated material.

Hazard Statement: Not regulated material.

Precautionary Statements: Not regulated material.

Section 3 – Composition/Information on Ingredients

COMPONENTS	CAS No.	% BY WEIGHT
Vitreous Silicate	65997-17-3	>80
Continuous filament glass fiber	65997-17-3	<20

Section 4 – First Aid Measures

Description of First Aid Measures

General If exposure symptoms persist, seek medical attention.

Inhalation Move to fresh air.

Skin Contact After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water and soap.

Eye Contact Immediately flush eyes thoroughly with water for at least 15 minutes. Call a physician.

Ingestion Rinse mouth immediately and drink large quantities of water.

Most important symptoms and effects, both acute and delayed

Dust from this product may cause eye irritation. May cause slight irritation to the skin; Inhalation of dust may cause irritation of the respiratory system; symptoms may include stinging, tearing, redness, swelling and blurred vision.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

Section 5 – Fire Fighting Measures

Suitable extinguishing media Water spray. carbon dioxide (CO₂), dry chemical powder, foam.

Unsuitable extinguishing media None known.

Special hazards arising from the substance or mixture

No data available.

Protective actions fire-fighters

Wear a self contained breathing apparatus. Wear recommended personal protective equipment.

Section 6 – Accidental Release Measures

Personal precautions, protective equipment, and emergency procedures

- General measures** Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory
- For non-emergency personal** No data available.
- For emergency responders** No data available.

Environmental precautions

Stop leak if safe to do so. Refer to section 8 and 13.

Methods and materials for containment and cleaning up

- Methods for cleaning up** Do not sweep dry as dust clouds or static can be produced. Wet dust with water before sweeping. Dust must be vacuumed up immediately at the place it occurs.

Section 7 – Handling and Storage

Precautions for safe handling

- Precautions for safe handling** Unpack material at application site to avoid unnecessary handling of product. Keep work area clean. Collect all waste in suitable and labelled containers and dispose according to local legislation. Wet dust with water before sweeping. Dust must be vacuumed up immediately at the place it occurs.

Conditions for safe storage, including any incompatibilities

- Storage condition(s)** Store in original container. Store tightly closed in a dry, cool and well-ventilated place.

Specific end use(s)

No data available.

Section 8 – Exposure Controls / Personal Protection

Control Parameters

The product does not contain any hazardous materials with occupational exposure limits established.

Exposure controls

Appropriate engineering control

Ensure adequate ventilation.

Individual protection measures, such as personal protective equipment

- Hand protection** Wear protective gloves.
- Eye Protection** Tightly fitting safety goggles.
- Skin/body** Long sleeved protective clothing.
- Respiratory Protection** In case of insufficient ventilation, wear suitable respiratory equipment.

General Hygiene Considerations

Handle in accordance with good industrial hygiene and safety practice.

Section 9 – Physical and Chemical Properties

	PRODUCT CRITERIA
GENERAL PHYSICAL FORM	Solid
SPECIFIC PHYSICAL FORM	Board
ODOR, COLOR, GRADE	Silver
ODOR THRESHOLD	No data available

PH	PH: 7-8
MELTING POINT/FREEZING POINT	>1000°C
INITIAL BOILING POINT AND BOILING RANGE	No data available
FLASH POINT	No data available
EVAPORATION RATE	No data available
FLAMMABILITY (solid, gas)	Not flammable
UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS	Not explosive
VAPOR PRESSURE	No data available
VAPOR DENSITY (AIR=1)	No data available
RELATIVE DENSITY (@25°C)	2.6 g/cm ³
SOLUBILITY IN WATER	Water: insoluble in water
SOLUBILITY- NON-WATER	No data available
AUTO IGNITION TEMPERATURE	No data available
DECOMPOSITION TEMPERATURE	No data available
VISCOSITY	No data available
PERCENT VOLATILE	No data available
VOC CONTENT	No data available

Section 10 – Stability and Reactivity

Reactivity: Hazardous polymerization does not occur.

Chemical Stability: Stable under normal conditions.

Possibility of Hazardous Reactions: None under normal conditions.

Conditions to Avoid: None known.

Incompatibility (Materials to Avoid): Strong acids, bases.

Hazardous Decomposition Products:

Decomposition products: Carbon monoxide. Carbon dioxide (CO₂). Carbon particles. Water. Trace gases (e.g. nitrogen dioxide, sulphur dioxide).

Section 11 – Toxicological Information

Acute toxicity

Not classified. No acute toxicity even at high doses.

Irritation

Not classified. PH: 7-8

Corrosivity

Not classified. PH: 7-8

Sensitisation

Not classified.

Repeated dose toxicity

Not classified.

Carcinogenicity

Not classified.

This product has been tested in long-term animal carcinogenicity studies [inhalation and intraperitoneal injection (i.p)] with no significant increase in lung tumours or abdominal tumours. Short-term bio persistent (inhalation and intratracheal injection) studies have shown that the fibres disappear very rapidly from the lung. Studies in humans have found no significant evidence of non-malignant lung disease (e.g. fibrosis).

Mutagenicity

Not classified.

Reproductive toxicity

Not classified.

Section 12 – Ecological Information

Ecotoxicity This product is not hazardous.

Persistence and degradability	Product is not easily biodegradable.	
Bioaccumulative potential	Low bioaccumulation potential.	
Mobility in soil	No information available.	
PBT and vPvB assessment	This information is not available.	
Other adverse effects	No information available.	

Section 13 – Disposal Considerations

Waste treatment methods.

Waste disposal recommendations Comply with local regulations for disposal.

Additional information Empty containers should be taken for recycle, recovery or waste in accordance with local

Section 14 – Transportation Information

Not a dangerous good in sense of transport regulations.

Section 15 – Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

International regulations: Not regulated as dangerous goods.

National regulations No data available.

Section 16 – Other Information

HMIS Rating:		NFPA Rating:	
Health	0	Health	0
Flammability	0	Flammability	0
Physical Hazard	0	Instability	0
Personal Protection	x	Special	None

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Prepared By: Joey Wang

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