



Hazard Communication Safety Data Sheets

Section 1, Identification

Product Identifier

Armordillo, R9946, R9947, R9948, R9949, R9950, R9957, R9977

Manufacturer name

Transshield Inc.

Address

2932 Thorne Drive

Elkhart, IN 46514

Phone number

(574) 266-4118

Emergency phone number

(574) 266-4118

Recommended use

Fabric for protective cover for shipping and storing equipment

Restrictions on use

None

Section 2, Hazard(s) Identification

Hazards regarding chemicals used in product

This Laminated Material is not considered hazardous by the criteria of OSHA Hazard Communication Standard (29CFR 1910.1200)

Section 3, Composition/Ingredients Information

Chemical ingredients Armordillo, R9946, R9947, R9948, R9949, R9950, R9957, R9977

Clear or pigmented polyurethane coated PET fabric

> 65% by weight (Various colors – Black, Blue, Bronze-Green, Green, Grey, Red, Tan)

Thermoplastic Rubber Adhesive with vapor corrosion inhibitors

>5% by weight

PET Fiber Nonwoven

>25% by weight

Trade secret claims

None

Section 4, First-Aid Measures

Symptoms/effects (acute or delayed)

Inhalation

No hazard anticipated in normal industrial or field use, however VCI vapor may cause irritation if inhaled.

Ingestion

No hazard anticipated in normal industrial or field use.

Dermal/Eye

No hazard anticipated in normal industrial or field use, however VCI vapor may cause eye irritation.

*This product, when used under normal conditions should not present any health hazard.

Required treatment

Inhalation

No need anticipated, however if exposed to excessive levels of vapor, remove person to fresh air and get immediate medical attention if cough or other symptoms develop.

Ingestion

No need anticipated.

Dermal/Eye

No need anticipated for dermal contact. In case of eye contact, immediately flush eyes with plenty of water for at least 15 minutes, holding eyelids apart. Get immediate medical attention if irritation or other symptoms develop.

Section 5, Fire-Fighting Measures

Extinguishing techniques

Water spray, dry chemical, foam or CO2 Equipment

Equipment

Self-contained breathing apparatus

Chemical hazards from fire

Fire Fighters should wear self-contained breathing apparatus in the Positive Pressure Mode with a full-face mask when there is a possibility of exposure to smoke, fumes and hazardous decomposition products.

Section 6, Accidental Release Measures

Proper methods of containment and clean up

Not Applicable

*This Laminated Material is not considered hazardous by the criteria of OSHA Hazard Communication Standard (29CFR 1910.1200)

Section 7, Handling and Storage

Precautions for safe handling and storage

Store indoors in a dry and cool place

Do NOT store near heat, flame or strong oxidant. Non-woven layer may discharge static electricity causing shocks. Use proper grounding when and where possible.

Incompatibilities

Do NOT store near heat, flame or strong oxidant. Non-woven layer may discharge static electricity causing shocks. Use proper grounding when and where possible.

Section 8, Exposure Controls/Personal Protection

List OSHA's Permissible Exposure Limits (PELs)

Department of Transportation

Non – regulatory commodity. DOT Classification #125

SARA Title III Section 311&312 Hazard Category

Not Hazardous

Threshold Limit Values (TLVs)

Not applicable

Appropriate engineering controls

Not applicable

Personal protective equipment (PPE) Protective clothing

Wear heat protective gloves and clothing if there is a potential for contact with heated material

Eye protection

Wear approved safety glasses

Respiratory protection

Under normal use conditions, no airborne exposure is expected. If material is being shrunk with heat, appropriate ventilation should be present. If needed, appropriate respiratory equipment, such as dust masks, or respirators may be used.

Section 9, Physical and Chemical Properties

Fabric Melting Point >250 °C / > 482 °F

Fabric Ignition Temperature 432 °C / 810 °F

Section 10, Stability and Reactivity

Stability

Stable during indoor/outdoor use

Materials and conditions to avoid

May burn or react violently with fluorine/oxygen mixtures. May be decomposed by strong oxidizing agents.

Hazardous polymerization

Not likely to occur

Hazardous decomposition products

Not anticipated. Thermal decomposition may produce C, CO, CO₂, TiO₂, Styrene, organic vapors and gasses, acid fumes and Silica dust.

Section 11, Toxicology Information

Inhalation

No hazard anticipated in normal industrial or field use. If inhaled, may be a minor lung and throat irritant.

Ingestion

No hazard anticipated in normal industrial or field use.

Dermal/Eye

No hazard anticipated in normal use; No need anticipated from this product. Vapors may cause minor eye irritation.

LD50 (Median Lethal Dose)

Not applicable

NTP (National Toxicology Program) / IARC (International Agency for Research on Cancer)

Product not found in these databases and not listed as a carcinogen by OSHA

Section 12, Ecological Information

None

Section 13, Disposal Considerations

Follow local rules and regulations for disposal and recycle when possible

Section 14, Transport Information

Department of Transportation: Non-regulatory commodity. DOT Classification 173.124/125; flammable solid (Fabric)

Section 15, Regulatory Information

SARA Title III Section 311 & 312 Hazard Category: Not Hazardous

Section 16, Other Information

Disclaimer

CAUTION: SUFFICATION HAZARD CAN OCCUR IF LAMINATE COVERS FACE! KEEP AWAY FROM CHILDREN!

This update to SDS for Armordillo was made on December 7, 2016

Note: Since other agencies regulate this information, OSHA will not be enforcing Sections 12 through 15 (29 CFR 1910.1200(g) (2)).