

Product Name: Lotus D7 Silicone Coating

Recommended Use: Sealant

Manufacturer:

Advanced Roofing Technologies

Phone: 800-486-1278

Emergency Contact:

Hazard Classification:

Skin Irritation (Category 2)

Eye Irritation (Category 2A)

Reproductive Toxicity (Category 2)

Specific Target Organ Toxicity, Single Exposure (Category 3)

Label Elements:

Warning

Causes skin and serious eye irritation

Suspected of harming fertility or the unborn child

May cause respiratory irritation

Precautionary Statements:

Prevention: Use personal protective equipment (PPE), avoid inhalation, and handle with care.

Response: If exposed, seek medical advice; rinse eyes and skin with water.

Storage/Disposal: Store locked up, in ventilated areas, and dispose of contents according to regulations.

COMPOSITION/INFORMATION ON INGREDIENTS

Key Ingredients:

Polysiloxanes: 30–60%

Nepheline syenite: 15–40%

Octamethylcyclotetrasiloxane: 1–5%

Titanium Dioxide: 1–5%

Silica (amorphous, fumed): 1–5%

Other proprietary components withheld as trade secrets

FIRST AID MEASURES:

General Advice: If symptoms persist, call a physician.

Eye Contact: Rinse with water for at least 15 minutes. Remove contact lenses if present.

Skin Contact: Wash thoroughly with soap and water; remove contaminated clothing.

Inhalation: Move to fresh air; provide artificial respiration if breathing stops.

Ingestion: Rinse mouth; do not induce vomiting.

FIRE-FIGHTING MEASURES

Extinguishing Media: Use appropriate media for surrounding fire. Avoid water spray.

Protective Equipment: Firefighters should wear self-contained breathing apparatus and protective gear.

ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use appropriate PPE and ensure adequate ventilation.

Environmental Precautions: Prevent entry into waterways or drains.

Cleanup Methods: Contain spill with non-combustible material and collect for disposal.

HANDLING AND STORAGE:

Safe Handling: Avoid contact with skin, eyes, and clothing. Do not inhale vapors or spray.

Storage Conditions: Keep in a dry, ventilated place, away from incompatible materials.

EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines:

Titanium Dioxide: ACGIH TLV: 10 mg/m³

Engineering Controls: Use ventilation systems and safety showers.

PPE:

Eye/Face: Safety goggles

Skin: Protective gloves and clothing

Respiratory: Use approved respirators if needed.

PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Viscous, pigmented liquid

Odor: Slight

pH: 6–11

Boiling Point: >100°C (212°F)

Flash Point: >100°C (212°F)

STABILITY AND REACTIVITY

Stability: Stable under recommended storage conditions.

Incompatibilities: Strong acids, bases, and oxidizers.

Decomposition Products: None under normal conditions.

TOXICOLOGICAL INFORMATION

Routes of Exposure:

Inhalation: May irritate respiratory system.

Skin/Eye Contact: Causes irritation.

Ingestion: No significant data available.

Carcinogenicity: Contains titanium dioxide, classified as a possible carcinogen in respirable form.

ECOLOGICAL INFORMATION

Persistence/Bioaccumulation: No significant data available.

Ecotoxicity: 89% of components have unknown aquatic toxicity.

DISPOSAL CONSIDERATIONS

Dispose of in accordance with local, regional, and national regulations.

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TRANSPORT INFORMATION

DOT/IATA/IMDG/TDG: Not regulated.

This information is provided for reference only. Testing for specific use cases is advised. Contact Advanced Roofing Technologies for further assistance.



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