

**I – Identification of the Substance and of the Company**

SUPPLIER: RMO, Inc.
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Chemtrec International: 202-483-7616

Trade Name and Synonyms –
RMBond® Inner Tray Material

Description:
Indirect Bonding System

Product Grade / Name:
Polyvinylidimethylsiloxane

II – Composition / Information on Ingredients

Chemical characteristics: Polyvinylidimethylsiloxane

Description: Polyvinylsiloxane resin mixture with inorganic fillers, pigments, platinum capped polysiloxane.

Hazardous components:

Element	CAS#	Exposure Limit mg/m ³	
		OSHA PEL	ACGIH TLV
Polyvinylidimethylsiloxane	68083-18-1	N/E	N/E
Inorganic Fillers	Mixture	N/E	N/E
Pigments	Various	N/E	N/E
Platinum Catalyst	N/A	N/E	N/E
SiH Capped Polysiloxane	68037-59-2	N/E	N/E

III – Hazard Identification

Risk Identification:

Special Risks for Human Beings and Environment: None Known

Classification: Unknown

IV – First Aid Measures

General Information:

After Skin Contact: Wash with soap and water. Consult a physician if irritation occurs.

After Eye Contact: Immediately flush eyes with eyelids retracted with plenty of water for 15 minutes.

After Swallowing: Seek medical advice immediately.

V – Fire Fighting Measures

Extinguishing Media: Sand, chemical foam, carbon dioxide or dry chemical. During a fire, irritating and/or toxic gases and aerosols may be present from the decomposition/combustion products.

Protective Equipment: Firefighters should wear full protective clothing, including self-contained breathing apparatus.

VI – Accidental Release Measures

Personal Precautions: Protective gloves and goggles.

Environmental Precautions: Absorb with inert material. Collect in closed containers and dispose of as recommended.

Avoid skin contact, wear protective equipment.

Methods for Cleaning Up: Dispose in accordance to Federal, State, and local regulations.

Additional Information: Unknown.

VII – Handling and Storage

Handling: Not applicable.

Handling Procedures: Not applicable.

Recommendation for Fire and Explosion Protection: Not applicable.

Storage: At 65° - 75°F (18° - 24°C) away from direct sunlight, initiators, oxidizing, and /or reducing agents.

Requirements at Storerooms and Containers: Over time, spontaneous polymerization may occur.

Additional Storage Conditions: Not applicable.

Storage Classification: Not applicable.

VBF – Classification: Not applicable.

VIII – Exposure Controls / Personal Protection

Additional Information:

Personal Protective Equipment: Protective gloves (Rubber, PVS, Nitrile), goggles are recommended. Rubber apron.

General Measure of Protection and Hygiene: Normal hygienic measures.

Respiration: Unknown

Hands: Protective gloves.

Eyes: OSHA approved goggles.

IX – Physical and Chemical Properties

Appearance: **Form:** Gel or putty-like.
Color: Light blue/grey appearance.
Odor: Odorless.

Information on Change in the Physical State:
Melting Point/Melting Range: Not applicable.
Boiling Point/Boiling range: Not applicable.
Flash Point: 485°F (252°C) Closed cup – DIN 51755.
Autoignition Temperature: Unknown.
Danger of Explosion: Unlikely.
Density: Various.
Vapor Pressure: Not applicable.
Viscosity: Not applicable.
pH: Not applicable.
Solubility in/Miscibility with Water: Insoluble.
Content of Solvents: None.
Percent Volatile: <2%.
Water: None.
Content of Solids: Various.

X – Stability and Reactivity

Stable
Incompatibility with Other Substances: Not applicable.
Hazardous Decomposition Products: Not applicable.

XI – Toxicological Information

Carcinogenicity: None of the components of this material are listed by IARC, NTP, OSHA, or ACGIH as carcinogens.
TLV: None.
Primary Routes of Entry: Inhalation, skin, and eyes.

XII – Ecological Information

General Information: Unknown.
Classification of Water Endangerment: Unknown.

XIII – Disposal Considerations

Disposal Consideration: Dispose of in accordance with Federal, State, and local regulations.

XIV – Transportation Information

Not classified as dangerous goods.

XV – Regulatory Information

Classification According to EEC Guidelines: Unknown.
National Prescriptions: Unknown.
Classification According to VbF: Unknown.

XVI – Other Information

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