



Material Safety Data Sheet

One Part Pourable Sealer

Section 1: Identification of the Product and Company Identification

Product Name: RubberBond One Part Pourable Sealer

Use of Substance: Sealant

Suppliers Details: Flex-R Ltd.

Sandswood House,
Hillbottom Road,
Sands Industrial Estate,
High Wycombe,
Buckinghamshire.
HP12 4HJ

Tel: 01494 448792 Fax: 01494 858433 Email: enq@rubberbond.co.uk

Section 2: Hazards Identification

Primary Entry Routes: Eye contact, skin contact.

Target Organs:

Acute Effects

Inhalation: Short-term harmful health effects are not expected from vapors generated at ambient temperatures. However, this material is capable of generating small amounts of methanol when reacted with water. Methanol vapour may cause dizziness, drowsiness, disturbance of vision, and tingling, numbness in hands and forearms.

Eye: Contact can cause severe irritation. Repeated or prolonged contact may cause chemical burns to the eyes.

Skin: May cause irritation. Repeated or prolonged contact may cause dermatitis.

Ingestion: May be harmful if ingested.

Carcinogenicity: IARC, NTP, and OSHA do not list this product as a carcinogen.

Medical Conditions Aggravated by Long-Term Exposure: Pre-existing skin and eye disorders may be aggravated by exposure to this product.

Chronic Effects: No adverse effects anticipated from available information.

Section 3: Composition/information on ingredients

Hazardous ingredients:

	Conc.	CAS	OSHA PEL		ACGIH TLV		NIOSH REL	
			TWA	STEL	TWA	STEL	TWA	STEL
Amino Silane	Proprietary%	1760-24-3	N/A	N/A	N/A	N/A	N/A	N/A
Vinyltrimethoxysilane	Proprietary%	2768-02-7	N/A	N/A	N/A	N/A	N/A	N/A

Section 4: First aid measures

Inhalation: If irritation, headache, nausea, or drowsiness occurs, remove to fresh air. Get medical attention if breathing becomes difficult or respiratory irritation persists.

Eye Contact: Irrigate immediately with plenty of water for several minutes.

Skin Contact: Clean product from affected area with alcohol; Then wash with soap and water.

Ingestion: Induce vomiting as directed by medical personnel.

After first aid, get appropriate in-plant, paramedic, or medical support.

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Section 5: Fire-fighting measures

Flash Point: N/E

Flash Point Method: N/E

Burning Rate: N/A

Auto ignition Temperature: N/A

LEL: N/A

UEL: N/A

Flammability Classification: Not considered flammable.

Extinguishing Media: Foam, CO₂, and dry chemical. This material is reactive with water, but the reaction will not significantly increase the fire severity.

Unusual Fire or Explosion Hazards: None. This product is not considered flammable, but may become involved in a fire with other materials releasing typical hydrocarbon products of combustion.

Hazardous Combustion Products:

Fire-Fighting Instructions: Wear full protective clothing and positive pressure self-contained breathing apparatus.

Fire-Fighting Equipment: Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus with a full face piece operated in pressure-demand or positive-pressure mode.

Section 6: Accidental release measures

Spill /Leak Procedures:

Small Spills: For minor spill, collect with absorbent material and dispose of properly.

Large Spills: Contain large spill by building a dike with absorbent material. Collect remainder of the spill with absorbent material and place the material into a container approved for waste disposal.

Containment: For large spills, dike far ahead of liquid spill for later disposal. Do not release into sewers or waterways.

Cleanup:

Regulatory Requirements: Follow applicable OSHA regulations (29 CFR 1910.120).

Section 7: Handling and storage

Handling Precautions: Use appropriate personal protection equipment. Avoid eye, skin and clothing contact. Keep away from heat, sparks and flame.

Storage Requirements: Store in a cool, dry area (15-26.6°C) away from incompatible materials. Do not freeze. Store away from heat, sparks, and flame.

Section 8: Exposure controls/personal protection

Engineering Controls:

Ventilation: Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs (Sec. 2). Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

Administrative Controls:

Respiratory Protection: Not ordinarily required. Use NIOSH or MSHA approved respirator as appropriate.

Protective Clothing/Equipment: Wear gloves and protective clothing to minimize contact with skin. Wear safety glasses or goggles to avoid eye contact.

Safety Stations: Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

Contaminated Equipment: Separate contaminated work clothes from street clothes. Launder before reuse. Remove this material from your shoes and clean personal protective equipment.

Comments: Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics. Avoid prolonged or repeated contact with skin. Wash thoroughly with soap and water after use.

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Section 9: Physical and chemical properties

Physical State: Liquid

Appearance and Odour: grey, viscous liquid

Odour Threshold(ppm): N/A

Vapour Pressure: N/A

Vapour Density (Air=1): N/A

Formula Weight: N/A

Density: 11.6-12.5 lbs/gal

Specific Gravity (H2O=1, at 4 °C): 1.4-1.5 (H2O=1)

pH: N/A

Evaporation Rate: N/A

Flash Point: N/E

Burning Rate: N/A

LEL: N/A

Water Solubility: Negligible.

Other Solubility: N/A

Boiling Point(°C): >195°C

Freezing/Melting Point(°C): N/A

Viscosity: 30,000-100,000 cps

Refractive Index: N/A

Surface Tension: N/A

% Volatile: <1%

Surface Tension: N/A

VOC: 0 g/l

Flash Point Method: N/E

Auto ignition Temperature: N/A

UEL: N/A

Section 10: Stability and Reactivity

Stability: Considered stable.

Possibility of Hazardous Reactions: Will not occur.

Chemical Incompatibilities: Reacts with water and moisture; Reaction with water or moisture releases trace amounts of methanol.

Conditions to Avoid: N/A

Hazardous Decomposition Products: Thermal decomposition may produce toxic fumes of CO and/or CO₂.

Section 11: Toxicological information

Eye Effects:

Amino Silane: Severe irritation causes corneal injury.

Vinyltrimethoxysilane: Minimal irritation.

(Vinyltrimethoxysilane)

Skin Effects: LD50: >2000 mg/kg (Amino Silane),

LD50: >3400 mg/kg (Vinyltrimethoxysilane)

Acute Inhalation Effects:

Rat, LD50: 16.79 mg/L 4h (Vinyltrimethoxysilane)

Chronic Effects: No adverse effects anticipated from available information.

Carcinogenicity: NTP-no, OSHA-no, IARC-no

Mutagenicity: No evidence.

Teratogenicity: No evidence.

Acute Oral Effects:

Oral LD50: >2000 mg/kg (Amino Silane)

Rat, oral, LD50: >7300 mg/kg

Section 12: Ecological Information

Ecotoxicity: N/A

Environmental Fate: N/A

Environmental Degradation: N/A

Soil Absorption/Mobility: N/A

Section 13: Disposal considerations

Disposal: If this product becomes a waste, it would not be a hazardous waste by RCRA criteria. Place in an appropriate disposal facility in compliance with local regulations.

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Section 14: Transport information

Shipping Name: Not regulated.
Shipping Symbols: Not regulated.
Hazard Class: Not regulated.
ID No.: Not regulated.
Packing Group: Not regulated.
Label: Not regulated.
Special Provisions (172.102): None

Section 15: Regulatory information

EPA Regulations:
RCRA Hazardous Waste Number: Not listed (40 CFR 261.33)
RCRA Hazardous Waste Classification : Not classified
CERCLA Hazardous Substance (40 CFR 302.4) listed/unlisted specific per RCRA, Sec. 3001; CWA, Sec. 311 (b)(4); CWA, Sec. 307(a), CAA, Sec. 112: Not listed.
CERCLA Reportable Quantity (RQ): N/A
SARA 311/312 Codes: Immediate (Acute) Health Hazard.
SARA Toxic Chemical (40 CFR 372.65): Not listed
SARA EHS (Extremely Hazardous Substance) (40 CFR 355): Not listed, Threshold Planning Quantity (TPQ)
OSHA Regulations:
Air Contaminant (29 CFR 1910.1000, Table Z-1, Z-1-A): Not listed
OSHA Specifically Regulated Substance

Section 16: Other information

Prepared By: Research & Development
Revision Notes: General Revision
Additional Hazard Rating Systems:

Legal disclaimer: The above information supplied in this MSDS is designed only as guidance for the safe use, storage and handling of the product. The information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

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