

**MATERIAL SAFETY DATA SHEET**  
**CLASSICBOND LAP SEALANT**

*Material Safety Data Sheet*

CLASSIC BOND LAP SEALANT

MSDS No. 302174

Date of Preparation: 10/31/05

Revision: 013

**Section 1 - Chemical Product and Company Identification**

**Product/Chemical Name:** CLASSIC BOND LAP SEALANT  
**Chemical Formula:** Mixture  
**General Use:** Lap Sealant  
**Manufacturer:** Flex-R Ltd., Unit 5 Central Park, Bellfield Road, High Wycombe, Bucks.HP13 5HG  
 Tel:+44 (0) 1494 448792 Fax:+44 (0) 1494 465393

**Section 2 - Composition / Information on Ingredients**

Ingredient Name	CAS Number	% wt or % vol
Light Aliphatic Solvent Naphtha	64742-89-8	37-38
Amorphous Silica	7631-86-9	3-6
Ethylene-Propylene Rubber	25038-36-2	
Polybutene	9003-29-6	
Calcium Carbonate	1317-65-3	
Ground Coal	125612-26-2	
Paraffinic Oil	64742-01-4	
Treated Clay	1332-58-7	

**Hazardous Ingredients:**

Ingredient	OSHA PEL		ACGIH TLV		NIOSH REL		NIOSH IDLH
	TWA	STEL	TWA	STEL	TWA	STEL	
Light Aliphatic Solvent Naphtha	300 ppm	400 ppm	300 ppm	None estab.	None estab.	None estab.	None estab.
Amorphous Silica	80mg/m <sup>3</sup> / %SiO <sub>2</sub> or 20 ppb	None estab.	10 mg/m <sup>3</sup>	None estab.	6 mg/m <sup>3</sup>	None estab.	3000 mg/m <sup>3</sup>

**Section 3 - Hazards Identification**

☆☆☆☆☆ Emergency Overview ☆☆☆☆☆

HMIS  
**H** 1  
**F** 4  
**R** 0  
**PPE**†  
 †Sec. 8

**Potential Health Effects**

**Primary Entry Routes:** Skin contact, eye contact, inhalation, ingestion.

**Target Organs:**

**Acute Effects**

**Inhalation:** throat irritation on short term exposure to liquid or vapor. Aspiration into lungs can cause chemical pneumonitis which can be fatal.

**Eye:** irritation on short-term exposure to liquid or vapor.

**Skin:** irritation on short-term exposure to liquid or vapor.

**Ingestion:** ingestion can cause gastrointestinal irritation

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

**Medical Conditions Aggravated by Long-Term Exposure:** Respiratory symptoms associated with pre-existing lung disorders and pre-existing heart disorders may be aggravated by exposure to this material.

**Chronic Effects:** Overexposure may result in headache, dizziness, fatigue, nausea, and possible unconsciousness, even asphyxiation. Moderate irritation of skin, eyes and mucous membranes of upper respiratory tract on prolonged/repeated contact. Dermatitis and defatting of the skin. Chronic exposure may cause reversible liver and kidney injury.

Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage.

**Section 4 - First Aid Measures**

**Inhalation:** Remove victim to fresh air and provide oxygen if breathing is difficult. Give artificial respiration if not breathing. Get medical attention immediately.

**Eye Contact:** Immediately flush eyes with running water for at least 15 minutes. Get medical attention.

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**Skin Contact:** Immediately flush skin with running water and remove contaminated clothing. Wash exposed area with soap and water. Get medical attention.

**Ingestion:** Do not induce vomiting. Get medical attention immediately.

**Special Precautions/Procedures:** Whenever possible, remove the worker from the source of contamination.

### Section 5 - Fire-Fighting Measures

**Flash Point:** 4.4°C (40°F)

**Flash Point Method:** TCC

**Autoignition Temperature:** 249°C (480°F)

**LEL:** 0.9%v/v

**UEL:** 7.0%v/v



**Flammability Classification:** Division 2. Ignition can occur when this product is exposed to heat, sparks, or flame.

**Extinguishing Media:** In case of fire, use dry chemical, carbon dioxide, or foam. Water may not be effective as an extinguishing agent. Water fog or spray may be used to provide a smothering effect on fire and to cool fire-exposed containers and surrounding combustibles. Do not use a solid stream of water because it can scatter and spread the fire.

**Unusual Fire or Explosion Hazards:** Flammable. Store and use away from all sources of heat, flame, or sparks. Do not smoke while applying. Vapors are heavier than air and may travel along ground or may be moved by ventilation and ignited by pilot lights, other flames, sparks, heaters, smoking, electrical motors, static discharge, or other ignition sources at locations distant from material handling point and flash back. All containers should be grounded when material is transferred.

**Hazardous Combustion Products:** Toxic gases or vapors, such as carbon monoxide or carbon dioxide, may be released in a fire.

**Fire-Fighting Instructions:** This product contains solvents that are dangerous fire and explosion hazards when exposed to heat or flame. Fire fighters should wear self-contained breathing apparatus and full protective clothing with a full face piece operated in the positive pressure demand mode.

**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:** Remove all sources of ignition. Avoid breathing vapors. Use self-contained breathing apparatus in enclosed area. Ventilate area. Contain and remove with inert absorbent materials and non-sparking tools.

**Large Spills:**

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

**Cleanup:** Clean-up spill as soon as possible. Collect any excess material with absorbent pads, sand or other inert non-combustible absorbent materials. Place into appropriate waste containers for later disposal. Comply with all laws and regulations.

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

### Section 7 - Handling and Storage

**Handling Precautions:** Use away from all sources of heat, flame, or sparks. Do not smoke while using. Handling equipment must be grounded to prevent sparking. Handle with non-sparking tools. Wash with soap and water before eating or drinking. Launder contaminated clothing. KEEP OUT OF REACH OF CHILDREN.

**Storage Requirements:** Keep containers cool, dry, and store away from all sources of heat, flame, and sparks. Keep containers tightly closed and store with adequate ventilation. Do not pressurize, cut, weld, or grind the containers or empty containers which may contain residual product and solvent vapors that may ignite explosively.

### Section 8 - Exposure Controls / Personal Protection

**Engineering Controls:** Do not use in enclosed areas without proper explosion-proof ventilation. General and local exhaust ventilation must be sufficient to control vapor concentrations and keep the vapor concentration below 300 ppm.

**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:** A NIOSH approved respirator must be used if vapor concentration is 300 ppm or above.

**Protective Clothing/Equipment:** Hycron or equivalent solvent permeation resistant glove recommended. Glasses or goggles recommended. Industrial shoes to protect feet from sealant contact. Long sleeves, long trousers to protect skin from sealant contact. Protective skin creams or emollients useful.

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## Section 14 - Transport Information

### DOT Transportation Data (49 CFR 172.101):

**Shipping Name:** Adhesives, 3,  
UN1133, II

**Shipping Symbols:** Flammable

**Hazard Class:** 3

**ID No.:** UN1133

**Packing Group:** II

**Label:** red caution label required

**Special Provisions (172.102):**

149, B52, IB2, T4, TP1, TP8

### Packaging Authorizations

a) **Exceptions:** 173.150

b) **Non-bulk Packaging:** 173.173

c) **Bulk Packaging:** 173.242

### Quantity Limitations

a) **Passenger, Aircraft, or Railcar:** 5 L

b) **Cargo Aircraft Only:** 60 L

### Vessel Stowage Requirements

a) **Vessel Stowage:** B

b) **Other:** ---

## Section 15 - Regulatory Information

### EPA Regulations:

**RCRA Hazardous Waste Number (40 CFR 261.33):** Not listed

**RCRA Hazardous Waste Classification (40 CFR 261):** Not classified

### TSCA (Toxic Substances Control Act) Status:

TSCA (United States) – The intentional ingredients of this product are listed.

**CERCLA Hazardous Substance RQ – 40 CFR 302.4 (a):** Not listed

### CERCLA RQ – 40 CFR 302.4 (b)

Materials with a “listed” RQ may be reportable as an “unlisted hazardous substance”. See 40 CFR 302.5 (b).

### SARA 311/312 Codes:

Immediate (X)   Delayed (X)   Fire (X)   Reactive ( )   Sudden Release of Pressure ( )

**SARA 313 Components (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 (29 CFR 1910): None listed

**EPA Accidental Release Prevention (40 CFR 68):** None listed

### State Regulations:

#### California Proposition 65:

The following statement is made in order to comply with the California Safe Drinking Water and Toxic Enforcement Act of 1986: This product contains the following substance(s) known to the State of California to cause reproductive harm:

None

**Delaware Air Quality Management List:** None

**Florida Toxic Substance:** The following components are listed as a toxic substance by the state of Florida:

Amorphous Silica

#### Massachusetts Hazardous Substances List:

Chemical Name

CAS #

Codes

Amorphous Silica

7631-86-9

2, 4, 5, F5

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Michigan Critical Materials Registry: None

**Minnesota Hazardous Substance:**

Chemical Name	Codes	Hazards	Carcinogen?
Silica	ANOR	--	*T*

New Jersey RTK Label Information: None

New York List of Hazardous Substances: None

**Pennsylvania RTK Label Information**

Chemical Name	CAS #	Code
Silica	7631-86-9	---

Washington Air Contaminant: None

## Section 16 - Other Information

**Prepared By:** Research & Development

**Revision Notes:** Revised to new 16-part MSDS format.

**Disclaimer:** The information contained in this document is based upon data that was supplied to Flex-R Ltd by other companies and organizations. No warranty of merchantability or fitness for a particular purpose is expressed or implied regarding the accuracy or completeness of the data and/or information in this material safety data sheet.