Material Safety Data Sheet

Lap Sealant

Section 1: Identification of the Product and Company Identification

Product Name: ClassicBond Lap Sealant
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@classicbond.co.uk

Section 2: Hazards Identification

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 vapour.
Skin: irritation on short-term exposure to liquid or vapour**.**
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 3: Composition/information on ingredients

Ingredients	Conc.	CAS	OSHA PEL		ACGIH TLV		NIOSH REL		NIOSH
			TWA	STEL	TWA	STEL	TWA	STEL	IDLH
Light Aliphatic Solvent Naphtha	15-40%	64742-89-8	300 ppm	400 ppm	300 ppm	N/E	350 ppm	N/E	N/E
Amorphous Silica	3-7%	7631-86-9	80mg/m³/ %SiO2 or 20 ppb	N/E	10 mg/m³	N/E	6 mg/m³	N/E	3000 mg/m³

Additional Ingredients	Conc.	CAS
Ethylene-Propylene Rubber		Proprietary
Polybutene		Proprietary
Calcium Carbonate		Proprietary
Ground Coal		Proprietary
Paraffinic Oil		Proprietary
Treated Clay		Proprietary

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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.
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 Procedures: Whenever possible, remove the worker from the source of contamination.

Section 5: Fire-fighting measures

Flash Point: 4.4°C
Flash Point Method: TCC
LEL: 0.9% v/v
UEL: 7.0% v/v
Auto ignition Temperature: 249°C
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. Vapours 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 vapours, 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 vapours. 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.
Clean-up: 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 way 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.

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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 vapour concentrations and keep the vapour concentration below 300 ppm.
Ventilation: Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs. 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 vapour concentration is 300 ppm or above.
Protective Clothing/Equipment: Permeation resistant gloves (that meet ANSI/ISEA 105-2005) 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.
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.

Section 9: Physical and chemical properties

Physical State: Liquid
Appearance and Odour: Black, viscous paste with hydrocarbon solvent odour
Odour Threshold: Not available
Vapour Pressure: 45mm Hg at 25°C (77°F)
Vapour Density (Air=1): 3.9
Specific Gravity (H2O=1, at 4°C/39°F): 1.03-1.04
pH: N/A

Water Solubility: Negligible
Boiling Point: 113-142°C (235-288°F)
Freezing/Melting Point: <-18°C (<0°F)
% Volatile: 36-38
Evaporation Rate: 1.6
VOC: 390 – 400 gpl
Flash Point: 4.4°C (40°F)
Flash Point Method: TCC
Auto ignition Temperature: 249°C (480oF)
LEL: 0.9%v\v
UEL: 7.0%v/v

Section 10: Stability and Reactivity

Stability: Stable.
Possibility of Hazardous Reactions: Will not occur.
Chemical Incompatibilities: Strong oxidizing agents, acids, bases.
Conditions to Avoid: Heat, sparks, and flames; ignition sources.
Hazardous Decomposition Products: Toxic gases or vapours, such as carbon monoxide, carbon dioxide, or oxides of nitrogen may be released in a fire.

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Section 11: Toxicological information

Eye Effects: Irritating
Skin Effects: Product toxicity has not been determined.
Following are component data:
Light Aliphatic Solvent Naphtha: Rat, dermal, LD50: > 4 mL/kg

Acute Inhalation Effects: Product toxicity has not been determined.
Following are component data:
Light Aliphatic Solvent Naphtha:
Rat, inhalation, LC50: 3400 ppm for four hours

Acute Oral Effects: Product toxicity has not been determined.
Following are component data:
Light Aliphatic Solvent Naphtha:
Rat, oral, LD50: > 8 mL/kg
Chronic Effects: May cause skin sensitization in some people
Carcinogenicity: No evidence
Mutagenicity: No evidence
Teratogenicity: No evidence

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.

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

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

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.