

X'BOND

CONSTRUCTION ADHESIVE SEALANT

1. Product & Company Identification

Product Details

Product name: X'Bond Construction Adhesive Sealant
 Physical form: Paste
 Odour: Organic solvent odour
 CAS No.: Mixture
 Flammability: Flammable
 Use of the substance: As a single component construction panel adhesive sealant.

Company Details

Manufacturer: Mohm Chemical Sdn Bhd
 Address: No. 32, Jalan Temenggong, Off Jalan Tampoi, 81100 Johor Bahru, Johor, Malaysia.
 Tel: + 60-7-3331222
 Fax: + 60-7-3320545 / + 60-7-3337919

2. Hazards Identification

Hazard Pictogram



Signal Word: Warning

Classification

Skin corrosion or irritation	Category 2
Serious eye damage or eye irritation	Category 2
Flammable liquids	Category 3
Specific target organ toxicity-repeated exposure	Category 2
Specific target organ toxicity-single exposure	Category 3
Hazardous to the aquatic environment-chronic hazard	Category 2

Hazard Statement

H226 - Flammable liquid and vapour.
 H315 - Causes skin irritation.
 H319 - Causes serious eye irritation.
 H336 - May cause drowsiness and dizziness (narcotic effects).
 H373 - May cause damage to organs.

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H411 - Toxic to aquatic life with long lasting effects.

Precautionary Statement – Prevention

- P210 - Keep away from heat/sparks/open flames/hot surfaces. — No smoking.
- P233 - Keep container tightly closed.
- P242 - Use only non-sparking tools.
- P243 - Take precautionary measures against static discharge.
- P260 - Do not breathe dust/fume/gas/mist/vapours/spray.
- P264 - Wash thoroughly after handling.
- P271 - Use only outdoors or in a well-ventilated area.
- P273 - Avoid release to the environment.
- P280 - Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary Statement – Response

- P302 + P352 - IF ON SKIN: Wash with plenty of soap and water.
- P332 + P313 - If skin irritation occurs: Get medical advice/attention.
- P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P337 + P313 - If eye irritation persists: Get medical advice/attention.
- P303 + P361 + P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P370 + P378 - In case of fire: Use dry chemical powder for extinction.
- P312 - Call a POISON CENTER or doctor/physician if you feel unwell.
- P391 - Collect spillage.

Precautionary Statement – Storage

- P233 - Keep container tightly closed.
- P403 + P235 - Store in a well-ventilated place. Keep cool.

Precautionary Statement – Disposal

- P501 - Dispose of contents/container in accordance with regulations made under the control of Pollution & Environmental Protection Acts.

3. Composition / Hazardous Components

<u>Chemical Name</u>	<u>CAS No.</u>	<u>WT%</u>
Synthetic Rubber	-	10 – 30 %
Hexane	64742-49-0	10 – 30 %
Resin	-	10 – 30 %
Mineral fillers	-	30 – 60 %
Additives	-	1 – 10 %



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4. First-aid Measures

General information:	Take off all contaminated clothing immediately. Consult a physician. Show this safety data sheet to the doctor in attendance.
In case of ingestion:	Seek medical advice immediately.
In case of skin contact:	Wipe with paper towel and immediately clean with water and soap.
In case of eyes contact:	Immediately flush with water, seek medical advice if necessary.
In case of inhalation:	Removed to fresh air, keep warm and rest.
Most important symptoms and effects, both acute and delayed:	Prolonged or repeated contact with skin may cause defatting, dermatitis. Contact with eyes can cause redness, blurred vision, provokes tears. Effects due to ingestion may include gastrointestinal discomfort, central nervous system depression, lung irritation, chest pain, pulmonary edema, giddiness, slowed reaction time, slurred speech, headache, dizziness, drowsiness, unconsciousness.

5. Fire Fighting Measures

Suitable extinguishing media:	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special hazards arising from the substance or mixture:	Oxides of carbon, light flammable hydrocarbons, smoke and fumes.
Special protective equipment for fire-fighters:	Wear self-contained breathing apparatus for fire fighting if necessary.
Additional information:	Use water spray to cool unopened containers.

6. Accidental Release Measures

Personal precautions:	Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.
Environmental precautions:	Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.
Methods for cleaning up:	Take up mechanically. Keep in suitable, closed containers for disposal.

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7. Handling and Storage

Handling

Advices on safe handling: Avoid contact with eyes and skin. Avoid inhalation of vapour or mist. Container explosion may occur under fire conditions. Keep away from sources of ignition – No smoking. Take measures to prevent the build-up of electrostatic charge.

Protective measures: Wear safety goggles and gloves.
Precautions against fire and explosion: General rules of fire prevention should be observed.

Storage

Technical measures and storage conditions: Keep container tightly closed and dry.

Requirements for storage rooms and vessels: Store in cold and well-ventilated area.

8. Exposure control / Personal protection

Ingredients with limited values to be controlled: Hexane (n-hexane):TWA:50ppm (176mg/m³)

Local exhaust: Recommended
General ventilation: Recommended
Hand protection: Suitable protective gloves.
Eye protection: Face shield and safety glasses.

9. Physical and Chemical Properties

Form: Paste
Specific gravity: 1.15 ± 0.05
Colour: Beige
Viscosity @ spindle 7, 20 rpm, 25°C: 200,000 cps
Odour: Solvent Odour
Volatile, % wt (25°C): 24 ± 5 %
Solubility in water: Insoluble
Boiling point: 62-68°C (Hexane)
Flash Point: 23°C
Ignition temperature: Non Known

Note: the above information is not intended for use in preparing specification.

10. Stability and Reactivity

Chemical stability: Stable
Incompatibility (material to be avoid): Strong oxidizing agents, acids
Conditions to be avoid: Sources of ignition.
Dangerous reactions: Combustion.
Dangerous products of decomposition: Oxides of carbon, light flammable hydrocarbons, smoke and fumes.

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11. Toxicological Information

Acute toxicity: Specific target organ toxicity – single exposure Specific target organ toxicity – repeated exposure	Harmful May cause drowsiness or dizziness. Ingestion – may cause damage to organs through prolonged or repeated exposure – nervous system. May be fatal if swallowed and enters airways.
Aspiration hazard Potential health effect, Inhalation:	Harmful if inhaled. Causes respiratory tract irritation. Vapours may cause drowsiness and dizziness.
Ingestion:	Harmful if swallowed. Aspiration hazard if swallowed – can enter lungs and cause damage.
Skin:	Harmful if absorbed through skin. Causes skin irritation.
Eyes: Signs and symptoms of exposure:	Causes eye irritation. Prolonged or repeated contact with skin may cause defatting, dermatitis. Contact with eyes can cause redness, blurred vision, provokes tears. Effects due to ingestion may include gastrointestinal discomfort, central nervous system depression, lung irritation, chest pain, pulmonary edema, giddiness, slowed reaction time, slurred speech, headache, dizziness, drowsiness, unconsciousness.

12. Ecological Information

Complete information not yet available.

13. Disposal Considerations

Shut off all possible sources of ignition. Clean-up personnel to wear appropriate personal protective equipment.

Please consult with the operator of the waste disposal facility for any further information.

With respect to local regulation, dispose of to suitable incineration plant.

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14. Transport Information

14.1 Land transport (ADR/RID):

Proper Shipping Name: Adhesive / sealants containing flammable liquid.
 Class: 3
 UN-No.: 1133
 Packaging group: III
 Environmental hazards: Yes

14.2 Sea transport (IMDG):

Proper Shipping Name: Adhesive / sealants containing flammable liquid.
 Class: 3
 UN-No.: 1133
 Packaging group: III
 Environmental hazards: Yes

14.3 Air transport (IATA):

Proper Shipping Name: Adhesive / sealants containing flammable liquid.
 Class: 3
 UN-No.: 1133
 Packaging group: III
 Environmental hazards: No

15. Regulatory Information

According to European Directive 67/548/EEC as amended.

Hazard symbol(s)



R-phrases(s)

R11 Highly flammable
 R38 Irritating to skin.
 R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.
 R62 Possible risk of impaired fertility.
 R65 Harmful: may cause lung damage if swallowed.
 R67 Vapours may cause drowsiness and dizziness.
 R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrases(s)

S9 Keep container in a well-ventilated place.
 S16 Keep away from sources of ignition – No smoking.
 S29 Do not empty into drains.
 S33 Take precautionary measures against static discharges.
 S36/37 Wear suitable protective clothing and gloves.
 S61 Avoid release to the environment. Refer to special instructions/safety data sheets.
 S62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

Other hazards - None

Chemical Safety Assessment: N/A

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16. Other Information

These data are offered in good faith as typical values and not as a product specification. No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific content of the intended use and determine whether they are appropriate.

*** End Of SDS ***

