

SECTION 1: IDENTIFICATION OF PRODUCT AND COMPANY

Material/Trade Name: Builders Bond
Material Type: All Purpose Rubber Based Adhesive
Company: Republic Chemical Industries, Inc.
Address: 731 Aurora Boulevard, Quezon City, 1112 Philippines
Telephone: +63 2 721 5781 to 86
Fax: +63 2 727 5095
Website: www.repchem.com

SECTION 2: HAZARDS IDENTIFICATION

GHS Classification:	Flammability	Category 2
	Acute Toxicity – Oral:	Category 4
	Acute Toxicity – Dermal:	Category 4
	Skin Irritation:	Category 2
	Eye Irritation:	Category 2B
	STOT – Single Exposure:	Category 3
	STOT – Repeated Exposure:	Category 2
	Aspiration Hazard:	Category 1

Hazard Symbol/ Signal Word:



DANGER

Hazard Statement:

Highly flammable liquid and vapor.
Harmful if swallowed and in contact with skin.
Causes skin and eye irritation.
May cause drowsiness or dizziness.
May cause damage to organs through prolonged or repeated exposure.
May be fatal if swallowed and enter airways.

Precautionary Statement:

Prevention:

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Keep container tightly closed.
Take precautionary measures against static discharge.
Avoid breathing vapors.
Do not eat, drink, or smoke when using this product.
Use only outdoors or in a well-ventilated area.
In case of inadequate ventilation, wear respiratory protection.

Response:

IF SWALLOWED: Immediately called a POISON CENTER or doctor/physician.
IF ON SKIN: Wash with plenty of soap and water.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.



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If skin irritation occurs: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.

If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

SECTION 3: COMPOSITION/INFORMATION OF INGREDIENTS

Chemical Identity	CAS no.	Concentration (%)
Heptane and Isomers	142-82-5	7 – 8%
n-Hexane	110-54-3	3 – 4.5%
Cyclohexane	110-82-7	5 – 6%
Methylcyclohexane	108-87-2	0.7 – 1.6%

SECTION 4: FIRST AID MEASURES

Eye:	Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
Skin:	Immediately flush skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Get medical attention.
Inhalation:	Moved to fresh air and keep at rest in a position comfortable for breathing. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Ingestion:	If swallowed, do not induce vomiting. If vomiting occurs spontaneously, head below hips to prevent aspiration into lungs. Never give anything by mouth to an unconscious person. Call a physician immediately.

SECTION 5: FIRE FIGHTING MEASURES

Flash Point:	<10°C Closed Cup.
Autoignition temperature:	No available
Extinguishing Media:	Water spray, foam, dry chemical or carbon dioxide.
Special Fire fighting Procedure:	Fire fighters should wear self-contained breathing apparatus. Use water spray to cool fire exposed surfaces and to protect personnel. If a leak spill has not ignited, use water spray to disperse the vapors. Either allow fire to burn under controlled conditions or extinguish with foam or dry chemical. Avoid spraying water directly into storage containers due to danger of boil-over.

Hazardous thermal

Decomposition Products: Carbon dioxide, carbon monoxide and oxides of nitrogen.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Ventilate area of leak or spill. Remove all sources of ignition.
Wear appropriate personal protective equipment as specified in Section 8.
Isolate hazard area. Keep unnecessary and unprotected personnel from entering.
Contain and recover liquid when possible. Use non-sparking tools and equipment.
Collect liquid in an appropriate container or absorb with an inert material (dry sand, earth), and place in a chemical waste container.
Do not use combustible materials, such as saw dust.
Do not flush to sewer. If a leak or spill has not ignited, use water spray to disperse the vapors, to protect personnel attempting to stop leak, and to flush spills away from exposures.

SECTION 7: HANDLING AND STORAGE

Store in a well ventilated place. Keep cool.
Keep container tightly closed.
Store locked-up.
Outside or detached storage is preferred.
Separate from incompatibles.
Containers should be bonded and grounded for transfers to avoid static sparks.



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Storage and use areas should be *No Smoking areas*.
Use non-sparking type tools and equipment, including explosion proof ventilation.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye/Face Protection: Safety goggles/glasses suitable for use with chemicals.
Respiratory Protection: Always use appropriate Filter Mask/respirator (NIOSH/MSHA Approved).
Skin Protection: Nitrile/polyethylene gloves, coveralls, avoid cotton products.
Ventilation: Good general or local exhaust ventilation is required for usage.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Form:	Thixotropic Paste	Oxidizing Properties:	Not available
Color:	Beige	Vapor Pressure:	Not available
Odor:	Aromatic	Vapor Density:	Not available
Odor Threshold:	Not available	Relative Density:	1.35 – 1.45
Boiling Point:	Not available	Solubility in Water:	Not miscible
Melting Point:	Not available	Partition Coefficient:	Not available
Flash Point:	<10°C	Auto-ignition Temperature:	Not available
Evaporation Rate:	Not available	Decomposition Temperature:	Not available
Flammability:	Not available	Viscosity:	600,000 – 1,000,000 cps
Explosion Limits:	Not available		

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable under ordinary conditions of use and storage.
Hazard Polymerization: Will not occur.
Incompatibility: Strong acids, heat, strong oxidizing agents.
Hazardous Decomposition Products: Carbon dioxide and carbon monoxide may form when heated to decomposition.
Conditions to Avoid: Heat, flames, ignition sources and incompatibles.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity:
Oral: Maybe harmful if swallowed.
Dermal: Prolonged contact may de-fat and dry the skin, leading to discomfort and dermatitis.
Skin Corrosion/Irritation: May cause irritation to skin.
Serious Eye Damage/Irritation: May cause irritation to eyes, will cause eye discomfort, but will not injure eye tissue.
Germ Cell Mutagenicity: No mutagenicity studies have been carried out with this product.
Carcinogenicity: Ingredients are not listed as a carcinogen by IARC, NTP and OSHA.
Reproductive Toxicity: No studies on reproductive effects have been carried out with this product.
STOT – Single Exposure: Exposure to high concentrations of vapor may cause headaches, drowsiness and dizziness, could be anesthetic and may have other central nervous system effects.
STOT – Repeated Exposure: Prolonged or repeated inhalation or ingestion may cause progressive and potentially irreversible damage to the peripheral nervous system, liver and kidney damage.
Aspiration Hazard: Small amount of material aspirated into the respiratory system during ingestion or from vomiting may cause bronchopneumonia or pulmonary edema.

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY: No ecological studies have been carried out with this product.



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SECTION 13: DISPOSAL CONSIDERATIONS

Must not be disposed together with household garbage.
Do not discharge into drains or watercourses.
Disposal must be made according to official regulations.

SECTION 14: TRANSPORTATION INFORMATION

IATA-DGR UN 1133, Adhesive Containing Flammable Liquid, Class 3, Packing Group II
IMDG UN 1133, Adhesive Containing Flammable Liquid, Class 3, Packing Group II

SECTION 15: REGULATORY INFORMATION

Chemical Inventories:

PICCS (Philippines): *All components are listed or exempted.*
EINECS (EU): *All components are listed or exempted.*
KECI (KR): *All components are listed or exempted.*
TSCA (US): *All components are listed or exempted.*
DSL (CN): *All components are listed or exempted.*
ENCS (JP): *All components are listed or exempted.*

SECTION 16: OTHER INFORMATION

The information contained in this MSDS is based on our present knowledge. It was obtained from a variety of sources and is believed to be accurate and current at the stated version date. This data is provided without warranty for the use of this information, application or processing described in this MSDS. Users should note the possibility of hazards occurring due to improper use of the product.

Department issuing MSDS: *Research and Development Department*
Contact: *Marketing Department*

ABBREVIATIONS AND ACRONYMS:

PICCS – PHILIPPINE INVENTORY OF CHEMICALS AND CHEMICAL SUBSTANCES
EINECS – EUROPEAN INVENTORY OF EXISTING COMMERCIAL CHEMICAL SUBSTANCES
KECI – KOREAN EXISTING CHEMICALS LIST
TSCA – TOXIC SUBSTANCES CONTROL ACT
DSL – DOMESTIC SUBSTANCES LIST
ENCS – JAPANESE EXISTING AND NEW CHEMICALS SUBSTANCES