



Globally Proven
Construction Solutions

Safety Data Sheet

1. PRODUCT IDENTIFICATION

TRADE NAME (as labeled): Clear PU Part B

CHEMICAL FAMILY: Aliphatic Polyisocyanate

MANUFACTURER'S/ DISTRIBUTOR'S NAME: LATICRETE South East Asia Pte Ltd
38 Sungei Kadut,
Street 2 (Level2 A3),
Singapore 729245.

Phone number for additional information: (65) 6515 3028

Date prepared or revised: 13/09/2019

2. COMPOSITION INGREDIENTS

Substance / Mixture: MIXTURE

Chemical Nature: Aliphatic Polyisocyanate

COMPOSITION	CAS NUMBER	INGREDIENT	DANGER SYMBOLS	RISK / SAFETY PHRASES
50% < c < 100%	28182-81-2	Aliphatic Polyisocyanate	Xi	PR43



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3. HEALTH HAZARD INFORMATION

According to ABNT-NBR 14725-4: 2014

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Classification of the GHS

Flammable liquids, Category 3 (H226)

Acute toxicity, Inhalant, Category 4 (H332)

Skin irritation, Category 2 (H315)

Eye irritation, Category (H319)

Skin sensitization, Category 1 (H317)

Specific target organ toxicity (single exposure), Category 3 (H335)

Specific target organ toxicity (repeated exposure), Category 2 (H373)

Pictograms:



4. FIRST AID: EMERGENCY PROCEDURES

Inhalation

: Keep the person away from exposure. Rest your breathing. Keep the person warm and still. Seek medical attention.

Contact with skin

: Wash affected area thoroughly with soap and water. Remove contaminated clothing

Contact with eyes

: Flush eyes with copious amounts of water for 15 minutes.



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Ingestion	Get medical attention : Do not induce vomiting. Seek immediate medical attention.
Most important symptoms and effects, both acute and delayed	Redness and itching or burning sensation may indicate excessive exposure of the eyes and skin.
Notes for the Doctor:	Polyisocyanate Aliphatic based product

5. FIRE FIGHTING MEASURES

Extinguishing Media	: Carbon dioxide, dry chemical, foam and water spray
Unsuitable extinguishing media	: Sprinkling with water may be inefficient. If water is used, spray nozzles are preferred
Special protective equipment for fire-fighters	: Complete protective equipment including autonomic respiratory masks should be used

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	: Avoid inhalation of vapors. Refer to protective measures listed in sections 7 and 8. Keep away from sources of ignition. Do not smoke. The product emits vapors, keep the environment ventilated; Avoid direct contact with skin, mucous membranes and eyes
For staff who are not part of the emergency services	: Isolate the location and place warning signs to avoid stepping on the spot and run the risk of an accident
For emergency service personnel	: Wear gloves, safety glasses with side



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protection and safety shoes

Environmental Precautions

: To contain leaks use inert absorbent materials. Avoid contamination of soil, sewers, sewage systems and water bodies

Methods and materials for containment and cleaning

: Removal: in large quantities, pumping material, if small quantities or debris, collect with absorbent material (sand, acid absorbent, universal absorbent, sawdust, vermiculite), incinerate using authorized specific installation

7. HANDLING AND STORAGE

Precaution for safe handling

Keep away from heat and open flame. Ensure good ventilation and exhaustion of the site. Store at room temperature (25°C). Store away from moisture. Do not eat, drink or smoke at work. Protect from light. Use PPE's listed in section 8. Keep container closed when not in use. Keep out of reach of animals and children

Hygiene measures

Do not eat, drink or smoke during work

Conditions for packaging

Store in the original package tightly closed, in a ventilated environment, covered, away from sources of heat, food, at room temperature and observing the criteria of chemical compatibility. Avoid exposure to heat and direct sunlight

Materials for packaging

Safe packaging materials:
Original product packaging (container with a lid to contain liquids, to transport observing section 14)



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8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1 Control Parameters

OCCUPATIONAL EXPOSURE LIMITS

Substance	CAS Number	Bases	Type	Value	Comments
Mixture of xylene isomer (with up to 20% ethylbenzene)	1330-20-7	BR OEL	TWA 48HRS		78ppm 340 mg/m ³
Mixture of xylene isomer (with up to 20% ethylbenzene)	1330-20-7	EU ELV	TWA	50 ppm 221 mg/m ³	Indicativo
Mixture of xylene isomer (with up to 20% ethylbenzene)	1330-20-7	EU ELV	STEL	100 ppm 442 mg/m ³	Indicativo
Mixture of xylene isomer (with up to 20% ethylbenzene)	1330-20-7	EU ELV			
1-methyl-2-methoxyethyl acetate	108-65-6	EU ELV	TWA	50 ppm 275 mg/m ³	Indicativo
1-methyl-2-methoxyethyl	108-65-6	EU ELV	STEL	100 ppm 550 mg/m ³	Indicativo



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acetate

1-methyl-2-
methoxyethyl
acetate 108-65-6 EU ELV

1,6-
hexamethylene
diisocyanate 822-06-0 BR OEL TWA 48HRS
0,005 ppm

Exposure assessment value according to TRGS 430: The content of polyisocyanate (oligomers and / or prepolymers of HDI) is 75%. Use an exposure assessment (EBW) value of 0.5 mg / m³ here.

8.2 Personal Protection Measures

Eye protection: Safety goggles with side protection, specific to chemical products

Skin and Body Protection: Protective gloves, closed shoes and long-sleeved clothes

Breath protection: Semi-facial mask with filter against organic vapors

Respiratory Protection: Semi-facial mask with organic vapor filter

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance (physical state, shape and color) : Liquid, colorless yellowish

Odor and Odor Threshold : Characteristic

pH : Not applicable

Boiling point : 145°C



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Fusion Point:	: Not applicable
Flash Point:	: 38°C
Evaporation Rate	: 10 hPa a 20 °C 30 hPa a 50 °C 37 hPa a 55 °C
Flammability (solid, gas and liquid)	: There is no data available on this product
Lower / upper flammability or explosive limits	: Lower: 1% - Superior: 8%
Vapor Density	: There is no data available on this product
Density	: 1,07 g/cm ³ a 25 °C
Solubility	: There is no data available on this product
Solubility in other solvents	: Not applicable
Partition coefficient: n- octanol / water	: There is no data on this product
Auto-ignition temperature	: 460°C
Thermal decomposition temperature	: There is no data available on this product
Viscosity	: There is no data available on this product

10. STABILITY AND REACTIVITY

Stability and reactivity	: The product is stable within the normal storage and handling conditions
Possibility of dangerous reactions	: Discharges of static electricity, base and strong acids
Conditions to be avoided	: Exposure to heat and sources of ignition
Incompatible materials	: No acquaintance
Hazardous Decomposition Products	: By fire: Carbon dioxide, carbon monoxide.



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Hazardous polymerization will not occur

11. TOXICOLOGY INFORMATION

Information on possible exposure routes	: There is no data available
Acute oral toxicity	: No information
Acute toxicity inhalation	: No information
Acute Dermal toxicity	: No information
Acute toxicity (other routes of administration)	: No information
Corrosion/Skin Irritation	: No information
Severe eye injury/ocular irritation	: No information
Respiratory or skin sensitization	: No information
Germ cell mutagenicity	: No information
Carcinogenicity	: No information
Reproductive toxicity	: No information
Specific target organ toxicity – single exposure	: No information
Specific target organ toxicity – repeated exposure	: No information
Danger by aspiration	: No information



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12. DISPOSAL CONSIDERATIONS

CONSIDERATIONS ON FINAL DESTINATION

In the treatment and disposal of the product, of its residues and of used packaging, one must observe the local, state and national legislation. For disposal within the EU, use the waste code valid in each case according to the European Waste List (RSI)

WASTE TREATMENT METHODS

Directly after the last product has been removed, the packages must be emptied completely (so that there is no liquid, powder, granulate or paste in them). After neutralizing the product residues adhering to the walls of the container, void the product labels and the indications of danger. These packages can be delivered for recycling to the packing materials receiving centers of chemical industry return systems. The recovery of empty packagings must be carried out according to the national legislation and the norms on the protection of the environment.

13. TRANSPORT INFORMATION

TERRESTRIAL

: Decree 96044/88 and Resolution ANTT 420/04

UN number:

: 1866

Proper shipping name

: Resin, Flammable solution

Risk class

: 3

Number of Hazard

: 30

Packing group:

: III



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14. REGULATORY INFORMATION

14.1 Safety, health and environmental regulations / legislation specific for the substance or mixture.

Directive 2012/18 / EU for the control of major-accident hazards involving dangerous substances.

P5c Flammable liquids

Quantidad1: 5.000t Cantidad2: 50.000t

Class of water contamination (Germany)
 2 water contaminant
 (according to Appendix 4 VwVwS)

Observe information sheet M 044 on the manufacture of polyurethanes and isocyanate processing and M 017 on solvents from BG Chemie (German Chemical Industry Association).

14.2 Chemical Safety Assessments

There is no Chemical Safety Assessment for this substance / mixture or its components

15. OTHER INFORMATION

Full text of the hazard statements referred to in sections 2, 3 and 10 of the CLP Classification (1272/2008 / EC).

H226 Flammable liquid and vapor.

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H330 Inhalation-fatality.

H332 Harmful by inhalation.

H334 May cause allergy or asthma symptoms or breathing difficulties when inhaled.

H335 May cause respiratory irritation.

H373 May cause damage to organs through prolonged or repeated exposure.



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The product is used above all as a hardener in coating materials or adhesives. Handling of coating materials or adhesives containing reactive polyisocyanates and residual HDI monomer contents requires appropriate protective.