



**Globally Proven  
Construction Solutions**

# Safety Data Sheet

## 1. PRODUCT IDENTIFICATION

TRADE NAME (as labeled): Guard PA Pure Part B

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: 21/08/2016

## 2. COMPOSITION INGREDIENTS

Chemical Names	CAS NUMBERS	Percent
Homopolymer of Hexamethylene Diisocyanate	28182-81-2	74 - 80
Dipropylene glycol methyl ether acetate	88917-22-0	15 - 17
Hydroxyphenyl - benzotriazole derivatives	104810-48-2	0.8 - 1.5
Hydroxyphenyl-benzotriazole derivatives	104810-47-1	0.8 - 1.5
Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	41556-26-7	0.6 - 0.9
Hexamethylene-1,6-diisocyanate	822-06-0	0.5 - 1
Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	82919-37-7	0.15 - 0.21



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### 3. HEALTH HAZARD INFORMATION

SYMPTOMS OF OVEREXPOSURE for each potential route of exposure. (Possible Longer Term Effects) : N/A

SIGNS AND SYMPTOMS OF EXPOSURE (Acute effects)

Inhaled : May cause respiratory irritation.

Contact with skin or eyes : Causes serious eye and skin irritation.

Absorbed through skin : N/A

Swallowed : Ingestion may cause irritation and malaise.

SUSPECTED CANCER AGENT?

NO: This product's ingredients are not found in the lists.

### 4. FIRST AID: EMERGENCY PROCEDURES

Eye Contact : Flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Get medical attention if irritation develops and persists.

Skin Contact : Flush thoroughly with water for at least 15 minutes. If skin rash or an allergic skin reaction develops, get medical attention. Get medical attention if irritation develops and persists.

Inhaled : Move into fresh air and keep at rest. If breathing stops, provide artificial respiration. Get medical attention if any discomfort continues.

Swallowed : Immediately rinse mouth and drink plenty of water. Keep person under observation. If person becomes uncomfortable take to hospital along with these instructions. Get medical attention if symptoms occur.

### 5. FIRE FIGHTING MEASURES

Flash Point method : N/A

Auto ignition temperature (°C) : N/A



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Flammable limits in air, volume % : N/A

Fire extinguishing materials : Water spray, carbon dioxide, dry chemical or alcohol-resistant foam.

Special firefighting procedures : Do not use a solid water stream as it may scatter and spread fire. In case of fire and/or explosion do not breathe fumes. Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask. Move containers from fire area if you can do it without risk.

Unusual fire and explosion hazards : During fire, gases hazardous to health may be formed. Will burn if involved in a fire.

## 6. ACCIDENTAL RELEASE MEASURES

Spill response procedures (include employee protection measures) :

Keep unnecessary personnel away. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Wear appropriate protective equipment and clothing during clean-up. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained.

Large Spills: Remove sources of ignition. Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

NOTE: Dispose of all wastes in accordance with federal, state and local regulations.

## 7. HANDLING AND STORAGE

Precautions for safe handling: Do not breathe mist or vapor. Do not smoke or use open fire or other sources of ignition. Do not get in eyes, on skin, on clothing. Use with adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.



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Conditions for safe storage: Keep container tightly closed. Store in a cool and well-ventilated place.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Ventilation and engineering controls : Provide adequate ventilation and minimize the risk of inhalation of vapors.

Respiratory protection (type) : In case of insufficient ventilation, wear suitable respiratory equipment.

Eye protection (type) : Chemical goggles or safety glasses with side shields.

Gloves (specify material) : Use impervious gloves, vinyl or rubber.

Other clothing and equipment : Wear clean, long-sleeved, body-covering clothing.

Work practices, hygienic practices : Maintain good housekeeping standards.

Other handling and storage requirements : N/A

Protective measures during maintenance of contaminated equipment: See above.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Relative density : 1.104

Melting point or range, °C : N/A

Boiling point or range, °C : 241.11 °C

PH : N/A

Specific gravity : N/A

Flash point : 102.8 °C

Solubility in water : Insoluble

Vapor density : 6.5

Vapor pressure : N/A



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Appearance and odor : Liquid

HOW TO DETECT THIS SUBSTANCE (warning properties of substance as a gas, vapor, dust, or mist)

## 10. STABILITY AND REACTIVITY

Stability : Stable

Conditions to avoid : Heat, flames and sparks.

Incompatibility (materials to avoid) : Strong oxidizing agents. Strong acids. Strong bases.

Hazardous decomposition products : Carbon monoxide. Carbon dioxide. Nitrogen oxides.

Hazardous polymerization : Will not occur

## 11. TOXICOLOGY INFORMATION

Acute toxicity : Harmful if inhaled

Components	Species	Test Results
Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate (CAS 41556-26-7)		
Acute Oral LD50	Rat	2369-4247 mg/kg
Dipropylene glycol methyl ether acetate (CAS 88917-22-0)		
Dermal LD50	Rabbit	>5000 mg/kg
Homopolymer of Hexamethylene Diisocyanate (CAS 28182-81-2)		
Inhalation LC50	Rat	4.62 mg/l, 4 hours

## 12. ECOLOGICAL INFORMATION



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N/A

## 13. DISPOSAL CONSIDERATIONS

Dispose in compliance with local, state, and federal regulations.

## 14. TRANSPORT INFORMATION

### DOT

Not regulated as dangerous goods.

### IATA

Not regulated as dangerous goods.

### IMDG

Not regulated as dangerous goods.

### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable.

## 15. REGULATORY INFORMATION

### US federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. All components are on the U.S. EPA TSCA Inventory List.

### TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

### OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

### CERCLA Hazardous Substance List (40 CFR 302.4)

Hexamethylene-1, 6-diisocyanate (CAS 822-06-0)

LISTED

### Superfund Amendments and Reauthorization Act of 1986 (SARA)

### Hazard categories

Immediate Hazard - Yes  
 Delayed Hazard - Yes  
 Fire Hazard - No  
 Pressure Hazard - No  
 Reactivity Hazard - No



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**SARA 302 Extremely hazardous substance**

Not listed.

**SARA 311/312 Hazardous chemical**

Yes

**SARA 313 (TRI reporting)**

**Chemical name**

**CAS number % by wt.**

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Hexamethylene-1, 6-diisocyanate	822-06-0	0.5-1

**Other federal regulations Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

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Hexamethylene-1, 6-diisocyanate (CAS 822-06-0)

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

Not regulated.

**Safe Drinking Water Act (SDWA)**

Not regulated.

**US state regulations**

This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

**US. Massachusetts RTK - Substance List**

Hexamethylene-1, 6-diisocyanate (CAS 822-06-0)

**US. New Jersey Worker and Community Right-to-Know Act**

Hexamethylene-1, 6-diisocyanate (CAS 822-06-0)

**US. Pennsylvania Worker and Community Right-to-Know Law**

Not listed.

**US. Rhode Island RTK**

Hexamethylene-1, 6-diisocyanate (CAS 822-06-0)

**US. California Proposition 65**

Not Listed.

**International Inventories**

Country(s) or region	Inventory name	On Inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes



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Country(s) or region	Inventory name	On Inventory (yes/no)*
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

## 16. OTHER INFORMATION

*This information is furnished without warranty, representation, inducement or license of any kind; except that it is accurate to the best of our knowledge, or obtained from sources believed by us to be accurate.*