



SAFETY DATA SHEET

Version No: 01
Issue Date: 01.12.2025

GUARD PU FLEX – Part A

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Name	GUARD PU FLEX - Part A
Recommended use	Polyurethane coating for car decks. (For professional use).
Manufacturer/ Importer/ Supplier/ Distributor information	Company Name: LATICRETE MIDDLE EAST LLC Address P.O. Box. 86028, Ras Al Khaimah, United Arab Emirates Telephone: +971 7 244 6396

2. HAZARD (s) IDENTIFICATION

Classification	Serious eye damage Skin Sensitization
Label Element	
Signal Words	Warning
Hazard Statement(s)	H315 Causes skin irritation. H319 Causes serious eye irritation. H317 May cause an allergic skin reaction.
Precautionary Statement(s) Prevention	P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P280 Wear protective gloves/protective clothing/eye protection/face protection. P273 Avoid release to the environment.
Precautionary Statement(s) Response	IF IN EYES: P305+P351+P338 Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P321 Specific treatment
Precautionary Statement(s) Storage	Keep containers dry, cool and tightly closed.
Precautionary Statement(s) Disposal	Soak-up with inert absorbent or contain and remove by best available means. Gather into containers. Dispose of as waste.
Other hazards which do not result in classification	
Emergency overview	Results of PBT and vPvB assessment PBT: Not applicable. vPvB: Not applicable.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures :

Name	CAS No	Content (% by wt.)
Branched polyols with ester and ether groups	Proprietary	40 - 50
CSNL liquid	8007-24-7	1 - 5
Calcium carbonate	471-34-1	30 - 35
Zeolite powder	308080-99-1	1 - 3
Titanium dioxide Rutile	13463-67-7	1 - 5
Iron oxide -Black	1317-61-9	0 - 1
Yellow oxide	51274-00-1	0 - 1



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4. FIRST-AID MEASURES

Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if any discomfort continues
Skin contact	Take off immediately all contaminated clothing. Chemical burns must be treated by a physician. Wash contaminated clothing before reuse. Get medical attention immediately
Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately
Ingestion	Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Get medical attention if any discomfort continues.
Personal protection for first-aid responders	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves
Symptoms caused by exposure	Up to now no symptoms are known
Medical attention and special treatment	Provide general supportive measures and treat symptomatically.

5. FIRE-FIGHTING MEASURES

Extinguishing media	CO2 / Dry chemical powder.
Suitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire
Unsuitable extinguishing media	May generate ammonia gas.
Specific hazards arising from the chemical	May generate toxic nitrogen oxide gases. Use of water may result in the formation of very toxic aqueous solutions. Do not allow run-off from firefighting to enter drains or water courses. Incomplete combustion may form carbon monoxide. Ammonia gas may be liberated at high temperatures. In case of incomplete combustion an increased formation of oxides of nitrogen (NOx) is to be expected. Downwind personnel must be evacuated. Burning produces noxious and toxic fumes.
Special protective equipment and precautions for fire fighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Firefighting equipment/instructions	Wear self-contained breathing apparatus for firefighting if necessary. Avoid contact with skin. A face shield should be worn. Do not allow run-off from firefighting to enter drains or water courses.
General fire hazards	No unusual fire or explosion hazards noted.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	
For non-emergency personnel	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained.
For emergency responders	wearing appropriate protective clothing.
Environmental precautions	Avoid release to the environment. Do not discharge into drains, water courses or onto the ground. Environmental manager must be informed of all major releases
Methods and materials for containment and cleaning up	Large Spills: Pick up with suitable appliance and dispose of. Pack in tightly closed containers for disposal. Small Spills: Pick up with suitable appliance and dispose off.
Other issues relating to spills and releases	Never return spills in original containers for re-use. For waste disposal, see Section 13 of the SDS. Clean up in accordance with all applicable regulations.



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7. HANDLING AND STORAGE

Precautions for safe handling

Use personal protective equipment.
Avoid skin and eye contact. Do not eat, drink or smoke whilst using this product.
Ensure adequate ventilation. Avoid contact with skin and eyes.
Emergency showers and eye wash stations should be readily accessible.
Adhere to work practice rules established by government regulations.
Avoid contact with eyes.

Conditions for safe storage, including any incompatibilities

Containers should be stored tightly sealed in a dry place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

No data

Occupational exposure limits

No data available

Biological limit values

No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls

Good general ventilation should be used. Provide eyewash station.

Individual protection measures, for example personal protective equipment (PPE)

Eye/face protection

Wear safety glasses with side shields (or goggles). Face-shield. Wear a full-face respirator, if needed



Skin protection Hand protection

Wear appropriate chemical resistant gloves.



Others

Body protection must be chosen based on level of activity and exposure.

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment

Hygiene measures

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Viscous liquid

Colour

Grey

Odor

Typical

Melting point/ freezing point

N/A

Initial boiling point and boiling range

N/A

Flash point

>200°C

Evaporation rate

N/A

Flammability

Flammable

Vapor pressure

No data available

Relative density

1.5 ± 0.1

Solubility (water)

Insoluble

Auto-ignition temperature

No data available



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10. STABILITY AND REACTIVITY

Reactivity	Stable under recommended conditions.
Chemical stability	Stable under recommended conditions.
Possibility of hazardous reactions	None
Conditions to avoid	None
Incompatible materials	Not known
Hazardous decomposition products	CO ₂ and CO gas

11. TOXICOLOGICAL INFORMATION

Information on possible routes of exposure	There are no data available on the preparation itself. This has been assessed following the conventional method of the reparations Directive 1999/45/EC and classified for toxicological hazards accordingly.
Dermal toxicity	Based on the properties of the constituent(s) this product may be a skin sensitizer and irritant. May produce allergic reactions
Oral toxicity	LD50 oral, rat: >2000 mg/kg

12. ECOLOGICAL INFORMATION

When used and disposed as intended, no adverse environmental effects are foreseen.

Biodegradability	Expected to be not readily biodegradable.
Bio-accumulative potential and ecotoxicity	Not determined

13. DISPOSAL CONSIDERATIONS

Disposal methods: Do not allow to enter drains or watercourses. Material and container must be disposed as hazardous waste.

Residual waste: Disposal must be in accordance with local and national legislation.

14. TRANSPORT INFORMATION

UN Number:	Not applicable
TDG	Not classified as dangerous good under transport regulations
IMDG Code ICAO / IATA	Not classified as dangerous good under transport regulations
Marine Pollutant	No

15. REGULATORY INFORMATION

EU Regulations	The product is labelled as follows, in accordance with local regulations.
Hazard Symbol(s)	Xi
Risk Phrases:	R36 - Irritating to eyes R38 - Irritating to skin
Safety Phrases	S26 - After contact with skin, wash immediately with plenty of water S36 - Wear suitable protective clothing S38 - In case of insufficient ventilation, wear suitable respiratory equipment.
EC Directives	Not classified as a hazardous product as per Council Directive 2006/121/EC or 1999/45/EC
Statutory Instruments	EU CLP Regulation (1272/2008) – modern, H315/H319/H335
Codes of Practice	Codes for safe handling of irritant chemicals in workplaces. Waste Management. The Duty of Care.
Guidance Notes	Occupational skin diseases: health and safety precautions (EH26).



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16. OTHER INFORMATION

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GUARD PU FLEX – Part B

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Name	GUARD PU FLEX- Part B
Recommended use	Polyurethane coating for car decks. (For professional use).
Manufacturer/ Importer/ Supplier/ Distributor information	Company Name: LATICRETE MIDDLE EAST LLC Address P.O. Box. 86028, Ras Al Khaimah, United Arab Emirates Telephone: +971 7 244 6396

2. HAZARD (s) IDENTIFICATION

Acute toxicity (Inhalation)	Category 4
Skin sensitization	Category 1
Specific target organ toxicity - single exposure:	Category 3 (Respiratory)

Label Element



Signal Words

Danger

Hazard Statement(s)

H315 Causes skin irritation.
H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.
H335 May cause respiratory irritation.
H351 Suspected of causing cancer.
H373 May cause damage to organs through prolonged or repeated exposure if inhaled

Precautionary Statement(s)
Prevention

P264 Wash skin thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves/ eye protection/ face protection.
P281 Use personal protective equipment as required
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P273 Avoid release to the environment.

Precautionary Statement(s)
Response

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P304 + P340 + P312 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308 + P313 IF exposed or concerned: Get medical advice/ attention.
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.
P337 + P313 If eye irritation persists: Get medical advice/ attention.
P362 Take off contaminated clothing and wash before reuse.

Precautionary Statement(s)
Storage

P403 + P233 Store in a well-ventilated place. Keep container tightly closed. P405 Store locked up.

Precautionary Statement(s)
Disposal

P501 Dispose of contents/ container to an approved waste disposal plant.



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3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures :

Name	CAS No	Content (% by wt.)
Diphenylmethanediisocyanate, isomeres and homologues	9016-87-9	40 - 50
Methylenediphenyl diisocyanate	26447-40-5	40 - 50

4. FIRST-AID MEASURES

Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if any discomfort continues
Skin contact	Take off immediately all contaminated clothing. Chemical burns must be treated by a physician. Wash contaminated clothing before reuse. Get medical attention immediately
Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately
Ingestion	Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Get medical attention if any discomfort continues.
Personal protection for first-aid responders	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves
Symptoms caused by exposure	Up to now no symptoms are known
Medical attention and special treatment	Provide general supportive measures and treat symptomatically.

5. FIRE-FIGHTING MEASURES

Extinguishing media	
Suitable extinguishing media	CO2 / Dry chemical powder.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire
Specific hazards arising from the chemical	May generate ammonia gas. May generate toxic nitrogen oxide gases. Use of water may result in the formation of very toxic aqueous solutions. Do not allow run-off from firefighting to enter drains or water courses. Incomplete combustion may form carbon monoxide. Ammonia gas may be liberated at high temperatures. In case of incomplete combustion, an increased formation of oxides of nitrogen (NOx) is to be expected. Downwind personnel must be evacuated. Burning produces noxious and toxic fumes.
Special protective equipment and precautions for fire fighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Firefighting equipment/instructions	Wear self-contained breathing apparatus for firefighting if necessary. Avoid contact with skin. A face shield should be worn. Do not allow run-off from firefighting to enter drains or water courses.
General fire hazards	No unusual fire or explosion hazards noted.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	
For non-emergency personnel	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Ensure adequate ventilation. Consult Local authorities if significant spillages cannot be contained.
For emergency responders	wearing appropriate protective clothing.
Environmental precautions	Avoid release to the environment. Do not discharge into drains, water courses or onto



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Methods and materials for containment and cleaning up

Other issues relating to spills and releases

the ground. The environmental manager must be informed of all major releases

Large Spills: Pick up with suitable appliance and dispose of. Pack in tightly closed containers for disposal.

Small Spills: Pick up with suitable appliance and dispose of.

Never return spills in original containers for re-use. For waste disposal, see Section 13 of the SDS. Clean up in accordance with all applicable regulations.

7. HANDLING AND STORAGE

Precautions for safe handling

Use personal protective equipment.

Avoid skin and eye contact. Do not eat, drink or smoke whilst using this product.

Ensure adequate ventilation. Avoid contact with skin and eyes.

Emergency showers and eye wash stations should be readily accessible.

Adhere to work practice rules established by government regulations.

Avoid contact with eyes.

Conditions for safe storage, including any incompatibilities

Containers should be stored tightly sealed in a dry place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

No data

Occupational exposure limits

No data available

Biological limit values

No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls

Good general ventilation should be used. Provide eyewash station.

Individual protection measures, for example personal protective equipment (PPE)

Eye/face protection

Wear safety glasses with side shields (or goggles). Face-shield. Wear a full-face respirator, if needed



Skin protection Hand protection

Wear appropriate chemical resistant gloves.



Others

Body protection must be chosen based on level of activity and exposure.

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment

Hygiene measures

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Liquid

Colour

Clear

Odor

Typical

Melting point/ freezing point

N/A

Initial boiling point and boiling range

N/A

Flash point

> 150 °C (> 302 °F) Method: open cup

Evaporation rate

N/A

Flammability

Flammable liquid

Vapor pressure

0.01 hPa (0.01 mmHg)



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Relative density	ca. 1.18 g/cm ³ (20 °C/ 68 °F)
Solubility (water)	Insoluble
Auto-ignition temperature	No data

10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions. Polymerises at high temperature with CO ₂ evolution
Conditions to avoid:	Exothermic reactions with amines and alcohols. Reacts with water forming CO ₂ . risk of bursting in closed containers due to increase in pressure.

11. TOXICOLOGICAL INFORMATION

Diphenylmethanediisocyanate, isomers and homologues:

Acute oral toxicity	LD50 Oral (Rat): > 10,000 mg/kg
Acute inhalation toxicity	Acute toxicity estimate: 1.5 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method:
Expert judgement Assessment	The component/mixture is moderately toxic after short-term inhalation.
Acute dermal toxicity:	LD50 Dermal (Rabbit): > 9,400 mg/kg
Respiratory or skin sensitisation	May cause an allergic skin reaction
Skin sensitization	
Respiratory sensitisation:	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Germ cell mutagenicity	Not classified based on available information.
Carcinogenicity	Suspected of causing cancer.
Reproductive toxicity	Not classified based on available information
STOT - single exposure	May cause respiratory irritation
STOT - repeated exposure	May cause damage to organs through prolonged or repeated exposure if inhaled.
Aspiration toxicity	Not classified based on available information

12. ECOLOGICAL INFORMATION

Ecotoxicity Components:	Diphenylmethanediisocyanate, isomeres and homologues
Toxicity to fish	LC50 (Brachydanio rerio (zebrafish)): > 1,000 mg/l Exposure time: 96 h.
Toxicity to algae	EC50 (Desmodesmus subspicatus (green algae)): > 1,640 mg/l Exposure time: 72 h
Persistence and degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available
Other adverse effects	
Additional ecological information	There is no data available for this product.

13. DISPOSAL CONSIDERATIONS

Disposal methods	Do not contaminate ponds, waterways or ditches with chemical or used container. Send to a licensed waste management company.
Waste from residues	Empty remaining contents. Dispose of as unused product.
Contaminated packaging	Do not re-use empty containers

14. TRANSPORT INFORMATION

UN Number:	Not applicable
TDG	Not classified as dangerous good under transport regulations
IMDG Code ICAO / IATA	Not classified as dangerous good under transport regulations
Marine Pollutant	No



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15. REGULATORY INFORMATION

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

International Chemical Weapons Convention (CWC) Schedules of Toxic Chemicals and Precursors

Not applicable

Hazardous Substance Act B.E. 2535

Conditions of restriction for the following entries should be considered: polymeric diphenylmethane diisocyanate (List 5.1, Number on list 488) diphenylmethane-4,4'-diisocyanate (with mixed isomers) (List 5.1, Number on list 487)

Emergency Decree on Controlling the Use of Volatile Substances B.E. 2533

Not applicable

Volatile organic compounds

Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control) Not applicable

16. OTHER INFORMATION

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