

SECTION 1 Identification of the substance

Trade Name **SIMATHANE GLOSS BASE**
 Product Code **3500-00**
 Product Type Solvent base
 Intended uses Protective and industrial coating

Manufacturer's data

Name PT. SIGMA UTAMA
 Address Jl. Landbouw No.1 Citeureup - Bogor, INDONESIA
 Fax No. + 62-21-87 3042 (Fax)
 Emergency Telephone No. + 62-21-87 6310 (Office Hours)

SECTION 2 Hazard identification

OSHA/HCS Status Considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Classification of the substance or mixture
 FLAMMABLE LIQUIDS - Category 3
 SKIN CORROSION/IRRITATION - Category 2
 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2
 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)
 (Respiratory tract irritation)- Category 3
 AQUATIC TOXICITY (CHRONIC)- Category 2

Label elements

Hazard pictograms



Signal Word Warning

Hazard Statements
 H226- Flammable liquid and vapor
 H318- Causes serious eye damage
 H315- Causes skin irritation
 H317- May cause an allergic skin reaction
 H332-Harmful if inhaled
 H312-Harmful in contact with skin
 H319-Causes serious Irritation
 H335-May cause respiratory irritation
 H304-May be fatal if swallowed and enters airways
 H360-May damage fertility or the unborn child

Precautionary statements

Prevention Do not breathe dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Contaminated work clothing must not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.

Response IF IN EYES : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation occurs : get medical attention

Storage Store in a cool, well-ventilated area Store in a cool, well-ventilated area

Disposal Dispose of contents and container in accordance with all local, regional, national and internasional regulation

Hazardous ingredients Xylene, Ethylbenzene
 Other Hazards None Known

SECTION 3
Composition

Ingredient	CAS No	Conc. range (%)	GHS Classification
Xylene	1330-20-7	5 - 15	Flam. Liq. 3;H226 Acute Tox. 4;H332 Acute Tox. 4;H312 Skin Irrit. 2;H315 Eye Irrit. 2;H319 STOT SE 3;H335 Asp. Tox. 1;H304
Organophilic clay	-----	<5	Skin Irrit H317 Eye Irrit H318 Asp. Tox. H335 Fertility Dam H360
Ethylbenzene	100-41-4	5-10	Flam. Liq. 2, H225 Acute Tox. 4, H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Carc. 2, H351 STOT SE 3, H335 STOT RE 2, H373 (hearing organs) Asp. Tox. 1, H304
Limestone	471-34-1	5-10	-----

Concentrations shown as range to protect confidentiality or due to batch variation.

There are no additional ingredients presents which, within the currenet knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health and environment and hence require reporting in this section

SECTION 4
First Aid Measure

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If breathing is irregular, drowsiness, loss of consciousness or cramps : call 112 and give immediate treatment (first aid)

Eye contact	Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Seek immediate medical attention.
Inhalation	Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Give nothing by mouth. If unconscious, place in recovery position and get medical attention immediately
Skin contact	Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners
Ingestion	If swallowed, seek medical advice immediately and show this container or label. Keep person warm and at rest. Do not induce vomiting unless directed to do so by medical personnel. Lower the head so that vomit will not re-enter the mouth and throat
Protection of first-aiders	No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

SECTION 5 Fire Fighting Measure

Extinguishing media	Recommended : Alcohol resistant foam, CO ₂ ,powder, water spray (foam) Not to be used : water jet
Hazards from the substance or mixture	Flammable liquid and vapor. In a fire or heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Runoff to sewer may create fire or explosion hazard. This material is toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
Hazardous combustion products	Decomposition products may include the following materials : carbon oxides metal oxide/oxides.
Special equipment for fire fighter	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

SECTION 6 Accidental release measurement

Personal precautions, protective equipment and emergency procedures	No action shall be taken involving any personal risk or without suitable training. If the product contaminates lakes, rivers, or sewers, inform the appropriate authorities in accordance with local regulations. Avoid all direct contact with the spilled material. Exclude sources of ignition and be aware of explosion hazard. Ventilate the area. Avoid breathing vapor or mist. Refer to protective measures listed in sections 7 and 8.
Environmental precautions	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities
Methods for cleaning up	Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g.sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Use spark-proof tools and explosion-proof equipment. Contaminated absorbent material may pose the same hazard as the spilled product.

SECTION 7 Handling and storage

Handling	Vapor are heavier than air and may spread along floors. Vapors may form explosive mixtures with air. Prevent the creation of flammable or explosive concentrations of vapors in air and avoid vapor concentrations higher than the occupational exposure limits. In addition, the product should be used only in areas from which all naked lights and other sources of ignition have been excluded. Electrical equipment should be protected to the appropriate standard. To dissipate static electricity during transfer, ground drum and connect to receiving container with bonding strap. No sparking tools should be used. Avoid inhalation of vapour, dust and spray mist. Avoid contact with skin and eyes. Eating, drinking and smoking should be prohibited in area where this material is handled, stored and processed. Appropriate personal protective equipment: see section 8. Always keep in containers made from the same material as the original one.
Storage	Store in a cool, well-ventilated area away from incompatible materials and ignition

sources. Keep out of the reach of children. Keep away from : Oxidizing agents, strong alkalis, strong acids. No smoking. Prevent unauthorized access. Containers that are opened must be carefully resealed and kept upright to prevent leakage. Store in accordance with local regulations.

SECTION 8 Exposure control/personal protection

Ingredient	Exposure limit
Organophillic clay	OSHA PEL TWA : 10 mg/m ³
Xylene	OSHA 2013 TWA : ppm (435 mg/m ³)
Ethylbenzene	OSHA PEL TWA 100 ppm (435 mg/m ³)
Limestone	TWA 15 mg/m ³ (total) TWA 5 mg/m ³ (resp)

Personal Protection

Respiratory Protection

Use a NIOSH APPROVED RESPIRATOR

Eye Protection

Use GOGGLES OR FACE SHIELD

Hand Protection (Gloves)

RUBBER GLOVES AS NEEDED

Other Protective clothing or equipment

USE APRON OR OTHER CLOTHING TO AVOID SKIN CONTACT.

Work / hygienic practices

Wash skin and exposed clothing thoroughly with soap and water after use

Personil protective equipment should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Use a properly fitted, air-purifying or air fed respirator complying with an approved standard. Gloves must be worn for all work that may result in soiling. Apron/coveralls/protective clothing must be worn when soiling is so great that regular work clothes do not adequately protect skin against contact with the product. Safety eyewear should be used when there is a likelihood of exposure

Engineering controls

Keep gas, vapor, or dust cocentration below any lower explosive limit. Arrange sufficient ventilation by local exhaust ventilation and good general ventilation to keep the airborne concentrations of vapors or dust lowest possible and below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location

Hygiene measures

Wash hands, forearms, and face thoroughly after handling compounds and before eating, smoking, using lavatory, and at the end of day.

Environmental exposure controls

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filter or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels

SECTION 9 Physical and chemical properties

Physical	Liquid
Colour	Various colour
Odor	Solvent like

TRUST, PROTECT AND COMMIT

SAFETY DATA SHEET

Date of issue : September 2021

SIMATHANE GLOSS 3500-00

Flash point	Closed cup, 25.3 °C
Vapor density	Heavier than air
Specific density	1.20 ± 0.15 Kg/L
Viscosity	9-12 poise
Solubilities	Insoluble : cold & hot water

SECTION 10 Stability and reactivity

Reactivity and chemical stability	This product is stable
Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced
Conditions to avoid	Avoid all possible sources of ignition (spark or flame). Do not pressurized, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition

SECTION 11 Toxicological information

Ingredient	Oral LD 50, mg/kg	Skin LD 50, mg/kg	Inhalation vapor LD 50, mg/l/4 hours
Organophilic clay	>20000 mg/kg, rat	No data	No data
Xylene	4300 mg/kg, rat	>2000 mg/kg, rabbit	6350 ppm, rat
Limestone	6450 mg/kg (oral, rat)	No data	No data
Ethylbenzene	3500 mg/kg, rat	500 mg/kg, rabbit	4000 ppm, rabbit

SECTION 12 Ecological information

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	96 hr EC50 algae, mg/l
Organophilic clay	>30000 mg/L Acartia Tonsa	>10000 skeletonema costatum	Not Available
Xylene	3.30, Oncorhynchus mykiss	8.50, Palaemonetes pugio	100.00 (72 hr), Chlorococcales
Limestone	Not Available	Not Available	Not Available
Ethylbenzene	5.1 to 5.7 mg/l Marine water Menidia menidia	18.4 to 25.4 mg/l Daphnia - Daphnia magna -Neonate	3,6 mg/l Algae - Pseudokirchneriella subcapitata

Environmental precaution : harmful to aquatic organisms, may cause long term adverse effect in the aquatic environment.

SECTION 13 Disposal consideration

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Residues of the product is listed as hazardous waste. Dispose of according to all state and local applicable regulations.




Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Spillage, remains, discarded clothes and similar should be discarded in a fireproof container. The information presented below only applies to the material as supplied. The identification based on characteristic or listing may not apply if the material has been used or otherwise contaminated.

SAFETY DATA SHEET

Date of issue : September 2021

SECTION 14 Transport information

Transport within user's premises	Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage					
----------------------------------	---	--	--	--	--	--

	UN no.	Proper shipping name		Transport hazard class(es)	PG*	Env*	Additional information
ADR/RID Class	UN 1263	Paint	3 -		III	Yes	
IMDG Class	UN1263	Paint (solvent naphtha (petroleum), light aromatic	3 -		III	Yes	
IATA Class	UN1263	Paint	3 -		III	Yes	

PG* : Packing group

Env* : Environmental hazards

SECTION 15 Regulatory information

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

SECTION 16 Other information

Abbreviation and acronyms GHS = Globally Harmonized System of Classification and Labelling of Chemicals

Disclaimer **TO THE BEST OF OUR KNOWLEDGE, THE INFORMATION CONTAINED HEREIN IS ACCURATE. HOWEVER, NEITHER PT. SIGMA UTAMA NOR ANY SUBSIDIARIES ASSUMES ANY LIABILITY WHATSOEVER FOR THE ACCURACY OR COMPLETENESS OF THE INFORMATION CONTAINED HEREIN. FINAL DETERMINATION OF SUITABILITY OF ANY MATERIAL IS THE SOLE RESPONSIBILITY OF THE USER. ALL MATERIAL MAY PRESENT UNKNOWN HAZARD AND SHOULD BE USED IN CAUTION. ALTHOUGH CERTAIN HAZARDS ARE DESCRIBED HEREIN, WE CAN NOT GUARANTEE THAT THESE ARE THE ONLY HAZARDS, WHICH EXIST.**

SAFETY DATA SHEET

Date of issue : September 2021

SIMATHANE GLOSS 3500-00 HARDENER
SECTION 1 Identification of the substance

Trade Name	SIMATHANE GLOSS HARDENER
Product Code	3500-00
Product Type	Liquid
Manufacturer's data	PT. SIGMA UTAMA Jl. Landbuw No.1 Citeureup – Bogor, INDONESIA + 62-21-87 3042 (Fax)
Emergency Telephone No.	+ 62-21-87 6310 (Office Hours)

SECTION 2 Hazard identification

OSHA/HCS Status Considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Classification of the substance or mixture Flammable Liquid – Category 3
 SKIN CORROSION/IRRITATION - Category 2
 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2
 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) – Category 3
 AQUATIC TOXICITY (CHRONIC) – Category 2

Label elements

Hazard pictograms



Signal Word Warning

Hazard Statements H226- Flammable liquid and vapor
 H318- Causes serious eye damage
 H315- Causes skin irritation
 H317- May cause an allergic skin reaction
 H410- Very toxic to aquatic life with long lasting effects
 H312- Harmful in contact with skin
 H319- Causes serious Irritation
 H335- May cause respiratory irritation
 H304- May be fatal if swallowed and enters airways

Precautionary statements

Prevention Avoid breathing vapors, spray or mists. Wear protective gloves/protective clothing/eye protection/face protection. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep out of reach of children. Keep container tightly closed. Use personal protective equipment as required.

Response IF IN EYES : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation occurs : get medical attention

Storage Store in a cool, well-ventilated area Store in a cool, well-ventilated area

Disposal Dispose of contents and container in accordance with all local, regional, national and international regulation

Hazardous ingredients Xylene

Other Hazards None Known

SAFETY DATA SHEET

Date of issue : September 2021

SIMATHANE GLOSS 3500-00 HARDENER
SECTION 3 Composition

Ingredient	CAS No	Conc. range (%)	GHS Classification
Xylene	1330-20-7	12,5	Flam. Liq. 3;H226 Acute Tox. 4;H332 Acute Tox. 4;H312 Skin Irrit. 2;H315 Eye Irrit. 2;H319 STOT SE 3;H335 Asp. Tox. 1;H304
HEXANE,1,6-DIISOCYANATO-, HOMOPOLYMER	28182-81-2	75	-----
1-METHOXY-2-PROPANOL ACETATE	108-65-6	12,5	Flam. Liq. 3;H226 Fertility Dam H360 Aquat, Tox, H402
HEXAMETHYLENE DIISOCYANATE (HDI)	822-06-0	<0,3	-----

Concentrations shown as range to protect confidentiality or due to batch variation.

There are no additional ingredients presents which, within the currenet knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health and environment and hence require reporting in this section

SECTION 4 First Aid Measure

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If breathing is irregular, drowsiness, loss of consciousness or cramps : call 112 and give immediate treatment (first aid)

Eye contact	Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Seek immediate medical attention.
Inhalation	Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Give nothing by mouth. If unconscious, place in recovery position and get medical attention immediately
Skin contact	Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners
Ingestion	If swallowed, seek medical advice immediately and show this container or label. Keep person warm and at rest. Do not induce vomiting unless directed to do so by medical personnel. Lower the head so that vomit will not re-enter the mouth and throat
Protection of first-aider	No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

SECTION 5 Fire Fighting Measure

Extinguishing media	Recommended : Alcohol resistant foam, CO2 ,powder, water spray (foam) Not to be used : water jet
Hazards from the substance or mixture	Flammable liquid and vapor. In a fire or heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Runoff to sewer may create fire or explosion hazard. This material is toxic to aquatic life with long lasting effects. Fire water

SAFETY DATA SHEET

Date of issue : September 2021

SIMATHANE GLOSS 3500-00 HARDENER

Hazardous combustion products	contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain. Decomposition products may include the following materials : carbon oxides metal oxide/oxides.
Special equipment for fire fighter	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

SECTION 6 Accidental release measurement

Personal precautions, protective equipment and emergency procedures	No action shall be taken involving any personal risk or without suitable training. If the product contaminates lakes, rivers, or sewers, inform the appropriate authorities in accordance with local regulations. Avoid all direct contact with the spilled material. Exclude sources of ignition and be aware of explosion hazard. Ventilate the area. Avoid breathing vapor or mist. Refer to protective measures listed in sections 7 & 8.
Environmental precautions	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities.
Methods for cleaning up	Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g.sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Use spark-proof tools and explosion-proof equipment. Contaminated absorbent material may pose the same hazard as the spilled product.

SECTION 7 Handling and storage

Handling	Vapor are heavier than air and may spread along floors. Vapors may form explosive mixtures with air. Prevent the creation of flammable or explosive concentrations of vapors in air and avoid vapor concentrations higher than the occupational exposure limits. In addition, the product should be used only in areas from which all naked lights and other sources of ignition have been excluded. Electrical equipment should be protected to the appropriate standard. To dissipate static electricity during transfer, ground drum and connect to receiving container with bonding strap. No sparking tools should be used. Avoid inhalation of vapour, dust and spray mist. Avoid contact with skin and eyes. Eating, drinking and smoking should be prohibited in area where this material is handled, stored and processed. Appropriate personal protective equipment: see section 8. Always keep in containers made from the same material as the original one.
Storage	Store in a cool, well-ventilated area away from incompatible materials and ignition sources. Keep out of the reach of children. Keep away from : Oxidizing agents, strong alkalis, strong acids. No smoking. Prevent unauthorized access. Containers that are opened must be carefully resealed and kept upright to prevent leakage. Store in accordance with local regulations.

SECTION 8 Exposure control/personal protection

Ingredient	Exposure limit
Xylene	OSHA 2013 TWA : 100 ppm (435 mg/m ³)
HEXANE,1,6-DIISOCYANATO-, HOMOPOLYMER	OSHA PEL TWA : 1 mg/m ³
1-METHOXY-2-PROPANOL ACETATE	OSHA PEL

SAFETY DATA SHEET

Date of issue : September 2021

SIMATHANE GLOSS 3500-00 HARDENER

	TWA : 50 PPM
HEXAMETHYLENE DIISOCYANATE (HDI)	OSHA PEL TWA (500 mg/m ³)

Personal Protection


Use a NIOSH APPROVED RESPIRATOR
 Use GOGGLES OR FACE SHIELD
 RUBBER GLOVES AS NEEDED
 USE APRON OR OTHER CLOTHING TO AVOID SKIN CONTACT

Personal protective equipment should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Use a properly fitted, air-purifying or air fed respirator complying with an approved standard. Gloves must be worn for all work that may result in soiling. Apron/coveralls/protective clothing must be worn when soiling is so great that regular work clothes do not adequately protect skin against contact with the product. Safety eyewear should be used when there is a likelihood of exposure

Engineering controls

Keep gas, vapor, or dust concentration below any lower explosive limit. Arrange sufficient ventilation by local exhaust ventilation and good general ventilation to keep the airborne concentrations of vapors or dust lowest possible and below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location

Hygiene measures

Wash hands, forearms, and face thoroughly after handling compounds and before eating, smoking, using lavatory, and at the end of day.

Environmental exposure controls

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filter or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels

SECTION 9 Physical and chemical properties

Physical	Liquid clear transparent
Odor	Solvent-like
Flash point	Closed cup ; (38°C)
Vapor density	Heavier than air
Specific density	1.00 ± 0.05 gr/cm ³
Viscosity	4-6 Poise/STR at 20°C
Solubilities	Insoluble : cold & hot water

SECTION 10 Stability and reactivity

Reactivity and chemical stability	This product is stable
Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced
Conditions to avoid	Avoid all possible sources of ignition (spark or flame). Do not pressurized, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition

SAFETY DATA SHEET
 Date of issue : September 2021

SIMATHANE GLOSS 3500-00 HARDENER
SECTION 11 Toxicological information

Ingredient	Oral LD 50, mg/kg	Skin LD 50, mg/kg	Inhalation vapor LD 50, mg/l/4 hours
Xylene	4300 mg/kg, rat	>2000 mg/kg, rabbit	6350 ppm, rat
HEXANE,1,6-DIISOCYANATO-, HOMOPOLYMER	>5000 mg/kg, rabbit	No data	>1,18mg/L, rat
1-METHOXY-2-PROPANOL ACETATE	8532 mg/kg, rabbit	No data	4000 ppm, rabbit
HEXAMETHYLENE DIISOCYANATE (HDI)	No data	No data	No data

SECTION 12 Ecological information

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	96 hr EC50 algae, mg/l
Xylene	3.30, Oncorhynchus Mykiss	8.50, Palaemonetes pugio	100.00 (72 hr), Chlorococcales
HEXANE,1,6-DIISOCYANATO-, HOMOPOLYMER	Not Available	Not Available	Not Available
1-METHOXY-2-PROPANOL ACETATE	Not Available	Not Available	Not Available
HEXAMETHYLENE DIISOCYANATE (HDI)	Not Available	Not Available	Not Available

Environmental precaution : harmful to aquatic organism, may cause long term adverse effect in the aquatic environment

SECTION 13 Disposal consideration

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Residues of the product is listed as hazardous waste. Dispose of according to all state and local applicable regulations.

Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Spillage, remains, discarded clothes and similar should be discarded in a fireproof container. The information presented below only applies to the material as supplied. The identification based on characteristic or listing may not apply if the material has been used or otherwise contaminated.

SECTION 14 Transport information

Transport within user's premises	Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage
----------------------------------	---


	UN no.	Proper shipping name	Transport hazard class(es)	PG*	Env*	Additional information
ADR/RID Class	UN 1263	Paint	3 -	III	Yes	
IMDG Class	UN1263	Paint (solvent naphtha (petroleum), light aromatic	3 -	III	Yes	



SAFETY DATA SHEET

Date of issue : September 2021

SIMATHANE GLOSS 3500-00 HARDENER

IATA Class	UN1263	Paint	3		III	Yes
			-			

PG* : Packing group
 Env* : Environmental hazards

SECTION 15 Regulatory information

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

SECTION 16 Other information

Abbreviation and acronyms GHS = Globally Harmonized System of Classification and Labelling of Chemicals

Disclaimer **TO THE BEST OUR KNOWLEDGE, THE INFORMATION CONTAINED HERE IN IS ACCURATE. HOWEVER, NEITHER PT. SIGMA UTAMA NOR ANY SUBSIDIARIES ASSUMES ANY LIABILITY WHATSOEVER FOR THE ACCURACY OR COMPLETENESS OF THE INFORMATION CONTAINED HEREIN. FINAL DETERMINATION OF SUITABILITY OF ANY MATERIAL IS THE SOLE RESPONSIBILITY OF THE USER. ALL MATERIAL MAY PRESENT UNKNOWN HAZARD AND SHOULD BE USED IN CAUTION. ALTHOUGH CERTAIN HAZARD ARE DESCRIBED HEREIN, WE CAN NOT GUARANTEE THAT THESE ARE THE ONLY HAZARD, WHICH EXIST.**