

SAFETY DATA SHEET

Sikalastic®-625 N



Version
1.0

Revision Date:
2023/05/16

SDS Number:
100000022280

Date of last issue: -
Date of first issue: 2023/05/16

1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Sikalastic®-625 N

Manufacturer or supplier's details

Company : Sika (Thailand) Limited
700/37 Moo.5 Amata Nakorn Estate
Bangna-Trad Km.57
Tambol Klong Tamhru
Muang District
Chonburi 20000
Thailand

Telephone : +66 3810 9500

Emergency telephone number : +66 3821 4270-85

E-mail address : Sikathai@th.sika.com

Telefax : +66 3821 4286

Recommended use of the chemical and restrictions on use

Product use : Polyurethane coating, Product is not intended for consumer use

2. HAZARDS IDENTIFICATION

GHS Classification

Flammable liquids : Category 3

Acute toxicity (Inhalation) : Category 4

Skin corrosion/irritation : Category 2

Serious eye damage/eye irritation : Category 2A

Respiratory sensitisation : Category 1

Skin sensitisation : Category 1

Specific target organ toxicity - single exposure : Category 3 (Central nervous system)

Short-term (acute) aquatic hazard : Category 3

SAFETY DATA SHEET

Sikalastic®-625 N



Version
1.0

Revision Date:
2023/05/16

SDS Number:
100000022280

Date of last issue: -
Date of first issue: 2023/05/16

Long-term (chronic) aquatic hazard : Category 3

GHS label elements

Hazard pictograms :



Signal word : Danger

Hazard statements : H226 Flammable liquid and vapour.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H336 May cause drowsiness or dizziness.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements :

Prevention:

P210 Keep away from heat/ sparks/ open flames/ hot surfaces.
No smoking.
P233 Keep container tightly closed.
P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof electrical/ ventilating/ lighting equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P261 Avoid breathing mist or vapours.
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.
P273 Avoid release to the environment.
P280 Wear protective gloves/ eye protection/ face protection.
P285 In case of inadequate ventilation wear respiratory protection.

Response:

P303 + P361 + P353 IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P304 + P340 + P312 IF INHALED: Remove victim to fresh air and

SAFETY DATA SHEET

Sikalastic®-625 N



Version
1.0

Revision Date:
2023/05/16

SDS Number:
100000022280

Date of last issue: -
Date of first issue: 2023/05/16

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.
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
P337 + P313 If eye irritation persists: Get medical advice/attention.
P342 + P311 If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
P362 Take off contaminated clothing and wash before reuse.
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.

Storage:

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
P403 + P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.

Disposal:

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

Other hazards which do not result in classification

None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Components

Chemical name	CAS-No.	Concentration (% w/w)
2-methoxy-1-methylethyl acetate	108-65-6	>= 20 -< 30
Hardener MI (Isophorondi(morpholinoaldimine))	1217271-02-7	>= 2.5 -< 10
Hardener MTJ (Polyoxypropylene-trimorpholinoaldimine)	1379822-00-0	>= 2.5 -< 10
3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate	4098-71-9	>= 1 -< 2.5
Isophorondiisocyanate homopolymer	53880-05-0	>= 0.1 -< 1
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	41556-26-7	>= 0.25 -< 1
4-morpholinecarbaldehyde	4394-85-8	>= 0.1 -< 1

SAFETY DATA SHEET

Sikalastic®-625 N



Version: 1.0 Revision Date: 2023.05.16 SDS Number: 100000022280 Date of last issue: -
Date of first issue: 2023.05.16

2,2-Dimethyl-3-(4-morpholinyl)propanal	23588-51-4	>= 0.1 -< 1
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	82919-37-7	>= 0.1 -< 0.25

4. FIRST AID MEASURES

- General advice : Move out of dangerous area.
Consult a physician.
Show this safety data sheet to the doctor in attendance.
- If inhaled : Move to fresh air.
Consult a physician after significant exposure.
- In case of skin contact : Take off contaminated clothing and shoes immediately.
Wash off with soap and plenty of water.
If symptoms persist, call a physician.
- In case of eye contact : Immediately flush eye(s) with plenty of water.
Remove contact lenses.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist.
- If swallowed : Clean mouth with water and drink afterwards plenty of water.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
Obtain medical attention.
- Most important symptoms and effects, both acute and delayed : irritant effects
sensitising effects
Asthmatic appearance
Respiratory disorder
Allergic reactions
Excessive lachrymation
Headache
Dermatitis
Loss of balance
Vertigo
See Section 11 for more detailed information on health effects and symptoms.
Causes skin irritation.
May cause an allergic skin reaction.
Causes serious eye irritation.
Harmful if inhaled.
May cause allergy or asthma symptoms or breathing difficulties if inhaled.
May cause drowsiness or dizziness.

SAFETY DATA SHEET

Sikalastic®-625 N



Version 1.0	Revision Date: 2023/05/16	SDS Number: 100000022280	Date of last issue: - Date of first issue: 2023/05/16
----------------	------------------------------	-----------------------------	--

Notes to physician : Treat symptomatically.

5. FIREFIGHTING MEASURES

Suitable extinguishing media : Alcohol-resistant foam
Carbon dioxide (CO₂)
Dry chemical

Unsuitable extinguishing media : Water
High volume water jet

Specific hazards during fire-fighting : Do not use a solid water stream as it may scatter and spread fire.

Hazardous combustion products : No hazardous combustion products are known

Specific extinguishing methods : Use water spray to cool unopened containers.

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.
Remove all sources of ignition.
Deny access to unprotected persons.

Environmental precautions : Prevent product from entering drains.
If the product contaminates rivers and lakes or drains inform respective authorities.

Methods and materials for containment and cleaning up : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

7. HANDLING AND STORAGE

Advice on protection against fire and explosion : Use explosion-proof equipment.
Keep away from heat/sparks/open flames/hot surfaces. No smoking.
Take precautionary measures against electrostatic discharges.

Advice on safe handling : Avoid formation of aerosol.

SAFETY DATA SHEET

Sikalastic®-625 N



Version
1.0

Revision Date:
2023/05/16

SDS Number:
100000022280

Date of last issue: -
Date of first issue: 2023/05/16

Do not breathe vapours or spray mist.
Avoid exceeding the given occupational exposure limits (see section 8).
Do not get in eyes, on skin, or on clothing.
For personal protection see section 8.
Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.
Smoking, eating and drinking should be prohibited in the application area.
Take precautionary measures against static discharge.
Provide sufficient air exchange and/or exhaust in work rooms.
Open drum carefully as content may be under pressure.
Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours).
Follow standard hygiene measures when handling chemical products

Conditions for safe storage : Store in original container.
Keep in a well-ventilated place.
Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Observe label precautions.
Store in accordance with local regulations.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate	4098-71-9	TWA	0.005 ppm	TH OEL

Personal protective equipment

Respiratory protection : Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. The filter class for the respirator must be suitable for the maximum expected contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If this concentration is exceeded, self-contained breathing apparatus must be used.

Hand protection : Chemical-resistant, impervious gloves complying with an

SAFETY DATA SHEET

Sikalastic®-625 N



Version
1.0

Revision Date:
2023/05/16

SDS Number:
100000022280

Date of last issue: -
Date of first issue: 2023/05/16

approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Eye protection : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary.

Skin and body protection : Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.
When using do not eat or drink.
When using do not smoke.
Wash hands before breaks and at the end of workday.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid

Colour : various

Odour : hydrocarbon-like

Odour Threshold : No data available

pH : Not applicable substance/mixture is non-soluble (in water)

Melting point/range / Freezing point : No data available

Boiling point/boiling range : No data available

Flash point : ca. 51 °C (124 °F)
(Method: closed cup)

Evaporation rate : No data available

Flammability (solid, gas) : No data available

Upper explosion limit / Upper flammability limit : 10.8 %(V)

Lower explosion limit / Lower flammability limit : 1.5 %(V)

Vapour pressure : 3.1 hPa

SAFETY DATA SHEET

Sikalastic®-625 N



Version 1.0	Revision Date: 2023/05/16	SDS Number: 100000022280	Date of last issue: - Date of first issue: 2023/05/16
----------------	------------------------------	-----------------------------	--

Relative vapour density	:	No data available
Density	:	ca. 1 g/cm ³ (20 °C (68 °F))
Solubility(ies)	:	
Water solubility	:	insoluble
Solubility in other solvents	:	No data available
Partition coefficient: n- octanol/water	:	No data available
Auto-ignition temperature	:	305 °C
Decomposition temperature	:	No data available
Viscosity	:	
Viscosity, dynamic	:	ca. 1,500 mPa.s (20 °C (68 °F))
Viscosity, kinematic	:	> 20.5 mm ² /s (40 °C (104 °F))
Explosive properties	:	No data available
Oxidizing properties	:	No data available

10. STABILITY AND REACTIVITY

Reactivity	:	No dangerous reaction known under conditions of normal use.
Chemical stability	:	The product is chemically stable.
Possibility of hazardous reac- tions	:	Stable under recommended storage conditions. Vapours may form explosive mixture with air.
Conditions to avoid	:	Heat, flames and sparks.
Incompatible materials	:	No data available

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Harmful if inhaled.

Components:

2-methoxy-1-methylethyl acetate:

Acute oral toxicity : LD50 Oral (Rat): > 5,000 mg/kg

Acute dermal toxicity : LD50 Dermal (Rabbit): > 5,000 mg/kg

SAFETY DATA SHEET

Sikalastic®-625 N



Version
1.0

Revision Date:
2023.05.16

SDS Number:
100000022280

Date of last issue: -
Date of first issue: 2023.05.16

Hardener MI (Isophoronedimethyl(morpholinoaldimine)):

Acute oral toxicity : LD50 Oral (Rat): > 2,001 mg/kg

Hardener MTJ (Polyoxypropylenetri(morpholinoaldimine)):

Acute oral toxicity : LD50 Oral (Rat): > 2,001 mg/kg

3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate:

Acute oral toxicity : LD50 Oral (Rat): 4,814 mg/kg

Acute inhalation toxicity : LC50 (Rat): 0.031 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist

Acute dermal toxicity : LD50 Dermal (Rat): > 7,000 mg/kg

2,2-Dimethyl-3-(4-morpholinyl)propanal:

Acute oral toxicity : LD50 Oral (Rat): > 2,001 mg/kg

Skin corrosion/irritation

Causes skin irritation.

Components:

Hardener MI (Isophoronedimethyl(morpholinoaldimine)):

Method : Regulation (EC) No. 440/2008, Annex, B.46

Result : Skin irritation

Serious eye damage/eye irritation

Causes serious eye irritation.

Components:

Hardener MI (Isophoronedimethyl(morpholinoaldimine)):

Result : Eye irritation

Method : OECD Test Guideline 405

Respiratory or skin sensitisation

Skin sensitisation

May cause an allergic skin reaction.

Respiratory sensitisation

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Components:

Hardener MI (Isophoronedimethyl(morpholinoaldimine)):

Method : Regulation (EC) No. 440/2008, Annex, B.42 (LLNA)

SAFETY DATA SHEET

Sikalastic®-625 N



Version
1.0

Revision Date:
2023/05/16

SDS Number:
100000022280

Date of last issue: -
Date of first issue: 2023/05/16

Result : May cause sensitisation by skin contact.

Germ cell mutagenicity

Not classified based on available information.

Carcinogenicity

Not classified based on available information.

Reproductive toxicity

Not classified based on available information.

STOT - single exposure

May cause drowsiness or dizziness.

STOT - repeated exposure

Not classified based on available information.

Aspiration toxicity

Not classified based on available information.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

Hardener MI (Isophoronedimethyl(morpholinoaldimine)):

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 40.2 mg/l
Exposure time: 48 h

NOEC (Daphnia magna (Water flea)): 17.1 mg/l
Exposure time: 48 h

Toxicity to algae/aquatic plants : EC50 (Pseudokirchneriella subcapitata (green algae)): 89 mg/l
Exposure time: 72 h

Hardener MTJ (Polyoxypropylenetri(morpholinoaldimine)):

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 45.1 mg/l
Exposure time: 48 h

NOEC (Daphnia magna (Water flea)): 12.5 mg/l
Exposure time: 48 h

Toxicity to algae/aquatic plants : EC50 (Pseudokirchneriella subcapitata (green algae)): 1.56 mg/l
Exposure time: 72 h

2,2-Dimethyl-3-(4-morpholinyl)propanal:

Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): > 100 mg/l

SAFETY DATA SHEET

Sikalastic®-625 N



Version 1.0	Revision Date: 2023/05/16	SDS Number: 100000022280	Date of last issue: - Date of first issue: 2023/05/16
----------------	------------------------------	-----------------------------	--

aquatic invertebrates	Exposure time: 48 h
	NOEC (Daphnia magna (Water flea)): > 100 mg/l Exposure time: 48 h
Toxicity to algae/aquatic plants	: EC50 (Pseudokirchneriella subcapitata (green algae)): > 100 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

Product:

Additional ecological information	: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic life with long lasting effects.
-----------------------------------	---

13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues	: Send to a licensed waste management company.
	The product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches with chemical or used container.
Contaminated packaging	: Empty remaining contents. Dispose of as unused product.
	Do not re-use empty containers. Do not burn, or use a cutting torch on, the empty drum.

14. TRANSPORT INFORMATION

International Regulations

UNRTDG

SAFETY DATA SHEET

Sikalastic®-625 N



Version 1.0	Revision Date: 2023/05/16	SDS Number: 100000022280	Date of last issue:- Date of first issue: 2023/05/16
----------------	------------------------------	-----------------------------	---

UN number : UN 1263
Proper shipping name : PAINT RELATED MATERIAL
Class : 3
Packing group : III
Labels : 3

IATA-DGR

UN/ID No. : UN 1263
Proper shipping name : Paint related material
Class : 3
Packing group : III
Labels : Flammable Liquids
Packing instruction (cargo aircraft) : 366
Packing instruction (passenger aircraft) : 355

IMDG-Code

UN number : UN 1263
Proper shipping name : PAINT RELATED MATERIAL
Class : 3
Packing group : III
Labels : 3
EmS Code : F-E, S-E
Marine pollutant : no
Remarks : Transport in accordance with 2.3.2.5 of the IMDG-Code

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

Not applicable for product as supplied.

Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

15. REGULATORY INFORMATION

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

Hazardous Substance Act	:	Conditions of restriction for the following entries should be considered: isophorone diisocyanate (List 5.1, Number on list 471)
Emergency Decree on Controlling the Use of Volatile Substances	:	Not applicable

SAFETY DATA SHEET

Sikalastic®-625 N



Version	Revision Date:	SDS Number:	Date of last issue:-
1.0	2023/05/16	100000022280	Date of first issue: 2023/05/16

International Chemical Weapons Convention (CWC) : Not applicable
Schedules of Toxic Chemicals and Precursors

Volatile organic compounds : Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control)
Volatile organic compounds (VOC) content: 22.4% w/w

16. OTHER INFORMATION

Revision Date : 2023/05/16
Date format : yyyy/mm/dd

Full text of other abbreviations

TH OEL : Thailand Occupational Exposure Limits
TH OEL / TWA : Time weighted average
ADR : European Agreement concerning the International Carriage of Dangerous Goods by Road
CAS : Chemical Abstracts Service
DNEL : Derived no-effect level
EC50 : Half maximal effective concentration
GHS : Globally Harmonized System
IATA : International Air Transport Association
IMDG : International Maritime Code for Dangerous Goods
LD50 : Median lethal dose (the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals)
LC50 : Median lethal concentration (concentrations of the chemical in air that kills 50% of the test animals during the observation period)
MARPOL : International Convention for the Prevention of Pollution from Ships, 1973 as modified by the Protocol of 1978
OEL : Occupational Exposure Limit
PBT : Persistent, bioaccumulative and toxic
PNEC : Predicted no effect concentration
REACH : Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency
SVHC : Substances of Very High Concern
vPvB : Very persistent and very bioaccumulative

The information contained in this Safety Data Sheet corresponds to our level of knowledge at the time of publication. All warranties are excluded. Our most current General Sales Conditions shall apply. Please consult the product data sheet prior to any use and processing.

TH / EN