

SAFETY DATA SHEET

Sikadur-31 CF Normal (B)



Version 1.0

SDS Number: 000000610502

Revision Date: 2017/12/19

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Sikadur-31 CF Normal (B)
Product code : 000000610502
Type of product : liquid

Manufacturer or supplier's details

Company : Sika (NZ) Ltd.
85-91 Patiki Road
Avondale
Auckland AKL 1026

Telephone : +64 9 820 2900

Emergency telephone number : 0800 734 607

Telefax : +64 9 828 4091

E-mail address : info@nz.sika.com

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

8.2 Skin corrosion : Category C
8.3 Serious eye damage : Category A
6.5 Skin sensitisation : Category B
6.7 Carcinogenicity : Category B
6.8 Toxic to Reproduction : Category B
6.9 Specific Target Organ Toxicity (Oral) : Category B
6.9 Specific Target Organ Toxicity (Dermal) : Category B
9.1 Aquatic toxicity (Acute or Chronic) : Category C
9.2 Ecotoxic to soil environment : Category C
9.3 Ecotoxic to terrestrial vertebrates : Category C

GHS label elements

Hazard pictograms :



SAFETY DATA SHEET

Sikadur-31 CF Normal (B)



Version 1.0

SDS Number: 000000610502

Revision Date: 2017/12/19

Signal word	: Danger
Hazard statements	: H314 Causes severe skin burns and eye damage. H317 May cause an allergic skin reaction. H351 Suspected of causing cancer. H361 Suspected of damaging fertility or the unborn child. H371 May cause damage to organs if swallowed. H371 May cause damage to organs in contact with skin. H412 Harmful to aquatic life with long lasting effects. H423 Harmful to the soil environment. H433 Harmful to terrestrial vertebrates.
Precautionary statements	: Prevention: P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. P264 Wash skin thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P272 Contaminated work clothing should not be allowed out of the workplace. P273 Avoid release to the environment. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. Response: P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P303 + P361 + P353 IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower. P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P309 + P311 IF exposed or if you feel unwell: Call a POISON CENTER or doctor/ physician. P310 Immediately call a POISON CENTER/doctor. P321 Specific treatment (see supplemental first aid instructions on this label). P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention. P363 Wash contaminated clothing before reuse. Storage: 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.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

SAFETY DATA SHEET

Sikadur-31 CF Normal (B)



Version 1.0

SDS Number: 000000610502

Revision Date: 2017/12/19

Hazardous components

Chemical name	CAS-No.	Concentration (%)
Quartz (SiO ₂)	14808-60-7	>= 50 - < 70
Calcium carbonate	13397-26-7	>= 10 - < 20
benzyl alcohol	100-51-6	>= 1 - < 10
3-aminomethyl-3,5,5-trimethylcyclohexylamine	2855-13-2	>= 1 - < 10
3,6-diazaoctanethylenediamin	112-24-3	>= 1 - < 10
Hydrocarbons, C10-C13, aromatic, >1% Naphthalene	64742-94-5	>= 1 - < 10
2,4,6-tris(dimethylaminomethyl)phenol	90-72-2	>= 1 - < 10
reaction product: bisphenol-A-(epichlorhydrin) and epoxy resin (number average molecular weight <= 700)	25068-38-6	>= 0.1 - < 1
naphthalene	91-20-3	>= 0.1 - < 1

SECTION 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.
Immediate medical treatment is necessary as untreated wounds from corrosion of the skin heal slowly and with difficulty.
- In case of eye contact : Small amounts splashed into eyes can cause irreversible tissue damage and blindness.
In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Continue rinsing eyes during transport to hospital.
Remove contact lenses.
Keep eye wide open while rinsing.
- If swallowed : Clean mouth with water and drink afterwards plenty of water.
Do NOT induce vomiting.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
Take victim immediately to hospital.
- Most important symptoms and effects, both acute and delayed : Health injuries may be delayed.
corrosive effects
sensitising effects
Allergic reactions
Dermatitis
See Section 11 for more detailed information on health effects and symptoms.
May cause an allergic skin reaction.
Causes serious eye damage.
Suspected of causing cancer.
Suspected of damaging fertility or the unborn child.

SAFETY DATA SHEET

Sikadur-31 CF Normal (B)



Version 1.0

SDS Number: 000000610502

Revision Date: 2017/12/19

May cause damage to organs if swallowed.
May cause damage to organs in contact with skin.
Causes severe burns.

Notes to physician : Treat symptomatically.

SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Hazardous combustion products : No hazardous combustion products are known
- Specific extinguishing methods : Standard procedure for chemical fires.
- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.
Deny access to unprotected persons.
- Environmental precautions : Do not flush into surface water or sanitary sewer system.
If the product contaminates rivers and lakes or drains inform respective authorities.
- Methods and materials for containment and cleaning up : Pick up and arrange disposal without creating dust.
Keep in suitable, closed containers for disposal.

SECTION 7. HANDLING AND STORAGE

- Advice on protection against fire and explosion : Normal measures for preventive fire protection.
- Advice on safe handling : Do not breathe vapours/dust.
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.
Follow standard hygiene measures when handling chemical products
- Hygiene measures : Handle in accordance with good industrial hygiene and safety

SAFETY DATA SHEET

Sikadur-31 CF Normal (B)



Version 1.0

SDS Number: 000000610502

Revision Date: 2017/12/19

practice.
When using do not eat or drink.
When using do not smoke.
Wash hands before breaks and at the end of workday.

Conditions for safe storage : Store in original container.
Keep container tightly closed in a dry and well-ventilated place.
Observe label precautions.
Store in accordance with local regulations.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Quartz (SiO ₂)	14808-60-7	WES-TWA (Respirable dust)	0.1 mg/m ³	NZ OEL
Further information: Confirmed carcinogen				
		TWA (Respirable fraction)	0.025 mg/m ³ (Silica)	ACGIH
Calcium carbonate	13397-26-7	WES-TWA	10 mg/m ³ (Calcium)	NZ OEL
Further information: The value for inhalable dust containing no asbestos and less than 1% free silica.				
		WES-TWA	10 mg/m ³ (Calcium carbonate)	NZ OEL
naphthalene	91-20-3	WES-TWA	10 ppm 52 mg/m ³	NZ OEL
		WES-STEL	15 ppm 79 mg/m ³	NZ OEL
		TWA	10 ppm	ACGIH

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 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.

SAFETY DATA SHEET

Sikadur-31 CF Normal (B)



Version 1.0

SDS Number: 000000610502

Revision Date: 2017/12/19

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.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : paste

Colour : dark grey

Odour : amine-like

Odour Threshold : No data available

pH : Not applicable

Melting point/range / Freezing point : No data available

Boiling point/boiling range : No data available

Flash point : Not applicable

Evaporation rate : No data available

Flammability : No data available

Upper explosion limit : No data available

Lower explosion limit : No data available

Vapour pressure : No data available

Relative vapour density : No data available

Density : 1.9 g/cm³ (20 °C (68 °F) ())

Solubility(ies)

 Water solubility : No data available

 Solubility in other solvents : No data available

Partition coefficient: n-octanol/water : No data available

Auto-ignition temperature : No data available

Decomposition temperature : No data available

Viscosity

 Viscosity, dynamic : No data available

 Viscosity, kinematic : Not applicable

SAFETY DATA SHEET

Sikadur-31 CF Normal (B)



Version 1.0

SDS Number: 000000610502

Revision Date: 2017/12/19

Explosive properties : No data available
Molecular weight : No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity : No dangerous reaction known under conditions of normal use.
Chemical stability : The product is chemically stable.
Possibility of hazardous reactions : Stable under recommended storage conditions.
Conditions to avoid : No data available
Incompatible materials : No data available
No decomposition if stored and applied as directed.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Not classified based on available information.

Components:

benzyl alcohol:

Acute oral toxicity : LD50 Oral (Rat): 1,620 mg/kg
Acute inhalation toxicity : LC50 (Rat): > 4.178 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist

3-aminomethyl-3,5,5-trimethylcyclohexylamine:

Acute oral toxicity : LD50 Oral (Rat): 1,030 mg/kg
Acute inhalation toxicity : LC50 (Rat): > 5.01 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist

Acute dermal toxicity : LD50 Dermal (Rabbit): > 2,000 mg/kg

3,6-diazaoctanethylenediamin:

Acute oral toxicity : LD50 Oral (Rat): 1,716 mg/kg
Acute dermal toxicity : LD50 Dermal (Rabbit): 1,465 mg/kg

reaction product: bisphenol-A-(epichlorhydrin) and epoxy resin (number average molecular weight <= 700):

Acute oral toxicity : LD50 Oral (Rat): > 5,000 mg/kg
Acute dermal toxicity : LD50 Dermal (Rabbit): > 20,000 mg/kg

Skin corrosion/irritation

Causes severe burns.

SAFETY DATA SHEET

Sikadur-31 CF Normal (B)



Version 1.0

SDS Number: 000000610502

Revision Date: 2017/12/19

Serious eye damage/eye irritation

Causes serious eye damage.

Respiratory or skin sensitisation

Skin sensitisation: May cause an allergic skin reaction.

Respiratory sensitisation: Not classified based on available information.

Components:

3-aminomethyl-3,5,5-trimethylcyclohexylamine:

Assessment: The product is a skin sensitiser, sub-category 1A.

Result: The product is a skin sensitiser, sub-category 1A.

Chronic toxicity

Germ cell mutagenicity

Not classified based on available information.

Carcinogenicity

Suspected of causing cancer.

Reproductive toxicity

Suspected of damaging fertility or the unborn child.

STOT - single exposure

May cause damage to organs if swallowed.

May cause damage to organs in contact with skin.

STOT - repeated exposure

Not classified based on available information.

Aspiration toxicity

Not classified based on available information.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

benzyl alcohol:

Toxicity to fish : LC50 (Fish): > 100 mg/l
Exposure time: 96 h

Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): > 100 mg/l
aquatic invertebrates Exposure time: 48 h

3-aminomethyl-3,5,5-trimethylcyclohexylamine:

Toxicity to algae : ErC50 (Desmodesmus subspicatus (green algae)): > 10 - 100
mg/l
Exposure time: 72 h

3,6-diazaoctanethylenediamin:

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): > 100 mg/l
Exposure time: 96 h

Toxicity to daphnia and other : EC50 (Daphnia (water flea)): 10 - 100 mg/l
aquatic invertebrates Exposure time: 48 h

SAFETY DATA SHEET

Sikadur-31 CF Normal (B)



Version 1.0

SDS Number: 000000610502

Revision Date: 2017/12/19

Toxicity to algae : EC50 (Pseudokirchneriella subcapitata (green algae)): 10 - 100 mg/l
Exposure time: 72 h

2,4,6-tris(dimethylaminomethyl)phenol:

Toxicity to algae : EC50 (Scenedesmus capricornutum (fresh water algae)): > 10 - 100 mg/l
Exposure time: 72 h

reaction product: bisphenol-A(epichlorhydrin) and epoxy resin (number average molecular weight <= 700):

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 2 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 1.8 mg/l
Exposure time: 48 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 : Harmful to aquatic life with long lasting effects.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : 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.
Send to a licensed waste management company.

Contaminated packaging : Empty remaining contents.
Dispose of as unused product.
Do not re-use empty containers.

SECTION 14. TRANSPORT INFORMATION

International Regulations

IATA-DGR

UN/ID No. : UN 2735
Proper shipping name : Amines, liquid, corrosive, n.o.s.
(3,6-diazaoctanethylenediamin, 3-aminomethyl-3,5,5-trimethylcyclohexylamine)

SAFETY DATA SHEET

Sikadur-31 CF Normal (B)



Version 1.0

SDS Number: 000000610502

Revision Date: 2017/12/19

Class : 8
Packing group : III
Labels : 8
Packing instruction (cargo aircraft) : 856
Packing instruction (passenger aircraft) : 852

IMDG-Code

UN number : UN 2735
Proper shipping name : AMINES, LIQUID, CORROSIVE, N.O.S.
(3,6-diazaoctanethylenediamin, 3-aminomethyl-3,5,5-trimethylcyclohexylamine)

Class : 8
Packing group : III
Labels : 8
EmS Code : F-A, S-B
Marine pollutant : no

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

Not applicable for product as supplied.

National Regulations

NZS 5433

UN number : UN 2735
Proper shipping name : AMINES, LIQUID, CORROSIVE, N.O.S.
(3,6-diazaoctanethylenediamin, 3-aminomethyl-3,5,5-trimethylcyclohexylamine)
Class : 8
Packing group : III
Labels : 8

SECTION 15. REGULATORY INFORMATION

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

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

HSNO Approval Number

HSR002660

HSNO Controls

Certified handler certificate not required.
HSNO tracking not required.
Refer to EPA user guide to the HSNO control regulations for further information.

The components of this product are reported in the following inventories:

NZIoC : On the inventory, or in compliance with the inventory

SAFETY DATA SHEET

Sikadur-31 CF Normal (B)



Version 1.0

SDS Number: 000000610502

Revision Date: 2017/12/19

SECTION 16. OTHER INFORMATION

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.