

# SAFETY DATA SHEET

## SikaGrind-500 (NZ)



Version  
5.0

Revision Date:  
2023/10/03

SDS Number:  
000000607711

Date of last issue: 2021/10/11  
Date of first issue: 2017/12/12

---

### Section 1: Identification

Product name : SikaGrind-500 (NZ)

#### 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

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

Telefax : +64 9 828 4091

#### Recommended use of the chemical and restrictions on use

Product use : Grinding aid

---

### Section 2: Hazard identification

#### GHS Classification

Serious eye damage/eye irritation : Category 1

Specific target organ toxicity - repeated exposure : Category 2

#### GHS label elements

Hazard pictograms :



Signal word : Danger

Hazard statements : H318 Causes serious eye damage.  
H373 May cause damage to organs through prolonged or repeated exposure.

Precautionary statements :

#### Prevention:

P260 Do not breathe mist or vapours.  
P280 Wear eye protection/ face protection.

#### Response:

P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with

---

# SAFETY DATA SHEET

## SikaGrind-500 (NZ)



Version  
5.0

Revision Date:  
2023/10/03

SDS Number:  
000000607711

Date of last issue: 2021/10/11  
Date of first issue: 2017/12/12

water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.

P314 Get medical advice/ attention if you feel unwell.

### 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

### Components

Chemical name	CAS-No.	Concentration (% w/w)
2,2',2''-nitrioltriethanol	102-71-6	>= 30 -< 50
2,2'-iminodiethanol	111-42-2	>= 3 -< 10

## 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.  
If symptoms persist, call a physician.
- 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 give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.
- Most important symptoms and effects, both acute and delayed : Excessive lachrymation  
See Section 11 for more detailed information on health effects and symptoms.  
Causes serious eye damage.  
May cause damage to organs through prolonged or repeated

# SAFETY DATA SHEET

## SikaGrind-500 (NZ)



Version  
5.0

Revision Date:  
2023/10/03

SDS Number:  
000000607711

Date of last issue: 2021/10/11  
Date of first issue: 2017/12/12

---

exposure.  
irritant effects

Notes to physician : Treat symptomatically.

---

### Section 5: Fire-fighting 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 : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).  
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 : 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.  
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 practice.  
When using do not eat or drink.
-

# SAFETY DATA SHEET

## SikaGrind-500 (NZ)



Version  
5.0

Revision Date:  
2023/10/03

SDS Number:  
000000607711

Date of last issue: 2021/10/11  
Date of first issue: 2017/12/12

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

Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated place.  
Containers which are opened must be carefully resealed and kept upright to prevent leakage.  
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
2,2',2''-nitrilotriethanol	102-71-6	WES-TWA	5 mg/m <sup>3</sup>	NZ OEL
2,2'-iminodiethanol	111-42-2	WES-TWA	3 ppm 13 mg/m <sup>3</sup>	NZ OEL
Further information: Skin absorption				

#### 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.

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 : liquid

Colour : light brown

Odour : pleasant

# SAFETY DATA SHEET

## SikaGrind-500 (NZ)



Version  
5.0

Revision Date:  
2023/10/03

SDS Number:  
000000607711

Date of last issue: 2021/10/11  
Date of first issue: 2017/12/12

---

Odour Threshold : No data available

pH : 11

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 (solid, gas) : No data available

Upper explosion limit / Upper flammability limit : No data available

Lower explosion limit / Lower flammability limit : No data available

Vapour pressure : 23 hPa

Relative vapour density : No data available

Density : 1.07 g/cm<sup>3</sup> (20 °C (68 °F))

Solubility(ies)

    Water solubility : soluble

    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 : > 7 mm<sup>2</sup>/s ( 40 °C (104 °F))

Explosive properties : No data available

Oxidizing properties : No data available

Volatile organic compounds (VOC) content : no VOC contained

---

### Section 10: Stability and reactivity

Reactivity : No dangerous reaction known under conditions of normal use.

---

# SAFETY DATA SHEET

## SikaGrind-500 (NZ)



Version  
5.0

Revision Date:  
2023/10/03

SDS Number:  
000000607711

Date of last issue: 2021/10/11  
Date of first issue: 2017/12/12

---

Chemical stability : The product is chemically stable.

Possibility of hazardous reactions : No hazards to be specially mentioned.

Conditions to avoid : No data available

Incompatible materials : No data available

---

### Section 11: Toxicological information

#### Acute toxicity

Not classified due to lack of data.

#### Skin corrosion/irritation

Not classified due to lack of data.

#### Serious eye damage/eye irritation

Causes serious eye damage.

#### Respiratory or skin sensitisation

##### Skin sensitisation

Not classified due to lack of data.

##### Respiratory sensitisation

Not classified due to lack of data.

#### Chronic toxicity

##### Germ cell mutagenicity

Not classified due to lack of data.

##### Carcinogenicity

Not classified due to lack of data.

##### Reproductive toxicity

Not classified due to lack of data.

##### STOT - single exposure

Not classified due to lack of data.

##### STOT - repeated exposure

May cause damage to organs through prolonged or repeated exposure.

##### Aspiration toxicity

Not classified due to lack of data.

# SAFETY DATA SHEET

## SikaGrind-500 (NZ)



Version  
5.0

Revision Date:  
2023/10/03

SDS Number:  
000000607711

Date of last issue: 2021/10/11  
Date of first issue: 2017/12/12

---

### Section 12: Ecological information

#### Ecotoxicity

##### Components:

##### **2,2'-iminodiethanol:**

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 55 mg/l  
Exposure time: 48 h

Toxicity to algae/aquatic plants : EC50 (Pseudokirchneriella subcapitata (green algae)): 75 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 : There is no data available for this product.

---

### Section 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.

---

### Section 14: Transport information

#### **International Regulations**

Marine pollutant : no

#### **IATA-DGR**

UN/ID No. : Not applicable

Proper shipping name : Not applicable

---

# SAFETY DATA SHEET

## SikaGrind-500 (NZ)



Version  
5.0

Revision Date:  
2023/10/03

SDS Number:  
000000607711

Date of last issue: 2021/10/11  
Date of first issue: 2017/12/12

Class : Not applicable  
Subsidiary risk : Not applicable  
Packing group : Not applicable  
Labels : Not applicable  
Packing instruction (cargo aircraft) : Not applicable  
Packing instruction (passenger aircraft) : Not applicable

### IMDG-Code

UN number : Not applicable  
Proper shipping name : Not applicable  
Class : Not applicable  
Subsidiary risk : Not applicable  
Packing group : Not applicable  
Labels : Not applicable  
EmS Code : Not applicable  
Marine pollutant : Not applicable

### 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 : Not applicable  
Proper shipping name : Not applicable  
Class : Not applicable  
Subsidiary risk : Not applicable  
Packing group : Not applicable  
Labels : Not applicable  
Hazchem Code : Not applicable  
Marine pollutant : no

### Special precautions for user

Not applicable

---

## 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

HSR002503

### HSW Controls

Certified handler certificate not required.  
Tracking hazardous substance not required.  
Refer to the Health and Safety at Work (Hazardous Substances) Regulations 2017, for further information.

# SAFETY DATA SHEET

## SikaGrind-500 (NZ)



Version  
5.0

Revision Date:  
2023/10/03

SDS Number:  
000000607711

Date of last issue: 2021/10/11  
Date of first issue: 2017/12/12

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

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

### Section 16: Other information

Revision Date : 2023/10/03  
Date format : dd.mm.yyyy

#### Full text of other abbreviations

NZ OEL : New Zealand. Workplace Exposure Standards for Atmospheric Contaminants  
NZ OEL / WES-TWA : Workplace Exposure Standard - Time Weighted average  
ADG : Australian Dangerous Goods Code.  
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.

Changes as compared to previous version !

NZ / EN