



## SikaGrind®-374 US

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### SECTION 1. IDENTIFICATION

Product name : SikaGrind®-374 US

Company name : Sika Corporation  
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Lyndhurst, NJ 07071  
USA  
www.sikausa.com

Telephone : (201) 933-8800

Telefax : (201) 804-1076

E-mail address : ehs@sika-corp.com

Emergency telephone : CHEMTREC: 800-424-9300  
INTERNATIONAL: +1-703-527-3887

Recommended use of the chemical and restrictions on use : For further information, refer to product data sheet.

### SECTION 2. HAZARDS IDENTIFICATION

#### GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin corrosion : Sub-category 1C

Serious eye damage : Category 1

Carcinogenicity : Category 2

Specific target organ toxicity : Category 2  
- repeated exposure (Oral)

#### Other hazards

#### GHS label elements

Hazard pictograms :  

Signal Word : Danger

Hazard Statements : H314 Causes severe skin burns and eye damage.  
H351 Suspected of causing cancer.



## SikaGrind®-374 US

Revision Date 07/24/2025

Print Date 07/24/2025

H373 May cause damage to organs through prolonged or repeated exposure if swallowed.

Supplemental Hazard Statements : Corrosive to the respiratory tract.

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 mist or vapors.  
P264 Wash skin thoroughly after handling.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection.

**Response:**

P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.  
P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor.  
P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.  
P308 + P313 IF exposed or concerned: 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.

**Additional Labeling**

There are no ingredients with unknown acute toxicity used in a mixture at a concentration  $\geq 1\%$ .

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Mixtures

##### Components

Chemical name	CAS No./Unique ID	Classification	Concentration (% w/w)
2,2',2''-nitrilotriethanol	102-71-6		$\geq 30 - \leq 60$



## SikaGrind®-374 US

Revision Date 07/24/2025

Print Date 07/24/2025

2,2'-iminodiethanol	111-42-2	Acute Tox. 4; H302 Skin Irrit. 2; H315 Eye Dam. 1; H318 STOT RE 2; H373 Carc. 2; H351	>= 7 - <= 13
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Actual concentration is withheld as a trade secret

### SECTION 4. FIRST AID MEASURES

General advice	: Move out of dangerous area. Consult a physician. Show this material 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 without medical advice. 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 Dermatitis Causes serious eye damage. Suspected of causing cancer. May cause damage to organs through prolonged or repeated exposure if swallowed. Causes severe burns. Corrosive to the respiratory tract.
Notes to physician	: Treat symptomatically.



## SikaGrind®-374 US

Revision Date 07/24/2025

Print Date 07/24/2025

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### 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
- Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
- Special protective equipment for fire-fighters : In the event of fire, wear self-contained breathing apparatus.

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### 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.  
Local authorities should be advised if significant spillages cannot be contained.
- 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.

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### 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.
- Conditions for safe storage : Store in original container.  
Keep container tightly closed in a dry and well-ventilated place.



## SikaGrind®-374 US

Revision Date 07/24/2025

Print Date 07/24/2025

Containers which are opened must be carefully resealed and kept upright to prevent leakage.  
Observe label precautions.  
Store in accordance with local regulations.

Materials to avoid : Explosives  
Oxidizing agents  
Poisonous gases  
Dangerous when wet  
Flammable solids  
Organic peroxides  
Poisonous liquids  
Spontaneously Combustible Substances

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
2,2',2''-nitrilotriethanol	102-71-6	TWA	5 mg/m <sup>3</sup>	ACGIH
2,2'-iminodiethanol	111-42-2	TWA (Inhalable fraction and vapor)	1 mg/m <sup>3</sup>	ACGIH
		TWA	3 ppm 15 mg/m <sup>3</sup>	OSHA P0

The above constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

**Engineering measures** : Use of adequate ventilation should be sufficient to control worker exposure to airborne contaminants. If the use of this product generates dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

#### Personal protective equipment

**Respiratory protection** : Use a properly fitted NIOSH approved air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.

The filter class for the respirator must be suitable for the maximum expected contaminant concentration (gas/vapor/aerosol/particulates) that may arise when handling the product. If this concentration is exceeded, self-contained breathing apparatus must be used.



## SikaGrind®-374 US

Revision Date 07/24/2025

Print Date 07/24/2025

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.
Hygiene measures	:	Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. Remove contaminated clothing and protective equipment before entering eating areas. Wash thoroughly after handling.

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### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	liquid
Color	:	brown
Odor	:	No data available
Odor Threshold	:	No data available
pH	:	12.0
Melting point/ range / Freezing point	:	No data available
Boiling point/boiling range	:	No data available
Flash point	:	> 214 °F / > 101 °C (Method: closed cup)
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
Vapor pressure	:	23 hpa



## SikaGrind®-374 US

Revision Date 07/24/2025

Print Date 07/24/2025

Relative vapor density	:	No data available
Density	:	ca. 1.111 g/cm <sup>3</sup> (68 °F / 20 °C)
Solubility(ies)		
Water solubility	:	soluble
Solubility in other solvents	:	No data available
Partition coefficient: n-octanol/water	:	No data available
Autoignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity		
Viscosity, dynamic	:	No data available
Viscosity, kinematic	:	No data available
Explosive properties	:	No data available
Oxidizing properties	:	No data available
Volatile organic compounds (VOC) content	:	Not applicable

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### 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
Hazardous decomposition products	:	No hazardous decomposition products are known.

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### SECTION 11. TOXICOLOGICAL INFORMATION

#### Acute toxicity

Not classified due to lack of data.

#### Skin corrosion/irritation

Causes severe burns.



## SikaGrind®-374 US

Revision Date 07/24/2025

Print Date 07/24/2025

### **Product:**

Method : In Vitro Membrane Barrier Test Method for Skin Corrosion - CORROSITEX  
Result : Corrosive, category 1C - where responses occur after exposures between 1 hour and 4 hours and observations up to 14 days.

### **Serious eye damage/eye irritation**

Causes serious eye damage.

### **Respiratory or skin sensitization**

#### **Skin sensitization**

Not classified due to lack of data.

#### **Respiratory sensitization**

Not classified due to lack of data.

#### **Germ cell mutagenicity**

Not classified due to lack of data.

### **Carcinogenicity**

Suspected of causing cancer.

<b>IARC</b>	Group 2B: Possibly carcinogenic to humans 2,2'-iminodiethanol	111-42-2
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<b>OSHA</b>	Not applicable
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<b>NTP</b>	Not applicable
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### **Reproductive toxicity**

Not classified due to lack of data.

### **STOT-single exposure**

Corrosive to the respiratory tract.

### **STOT-repeated exposure**

May cause damage to organs through prolonged or repeated exposure if swallowed.

### **Aspiration toxicity**

Not classified due to lack of data.

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## **SECTION 12. ECOLOGICAL INFORMATION**

### **Ecotoxicity**

#### **Components:**

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

Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): 55 mg/l





## SikaGrind®-374 US

Revision Date 07/24/2025

Print Date 07/24/2025

aquatic invertebrates

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 infor-  
mation

: Do not empty into drains; dispose of this material and its con-  
tainer in a safe way.  
Avoid dispersal of spilled material and runoff and contact with  
soil, waterways, drains and sewers.

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## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal methods

Waste from residues

: 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.

Contaminated packaging

: Empty containers should be taken to an approved waste han-  
dling site for recycling or disposal.

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## SECTION 14. TRANSPORT INFORMATION

### International Regulations

#### IATA-DGR

UN/ID No.

: UN 2735

Proper shipping name

: Amines, liquid, corrosive, n.o.s.  
(Diethanolamine)

Class

: 8

Packing group

: III

Labels

: Corrosive

Packing instruction (cargo  
aircraft)

: 856

Packing instruction (passen-  
ger aircraft)

: 852



## SikaGrind®-374 US

Revision Date 07/24/2025

Print Date 07/24/2025

### IMDG-Code

UN number : UN 2735  
Proper shipping name : AMINES, LIQUID, CORROSIVE, N.O.S.  
(Diethanolamine)  
Class : 8  
Packing group : III  
Labels : 8  
EmS Code : F-A, S-B  
Marine pollutant : no

### Domestic regulation

#### 49 CFR Road

UN/ID/NA number : UN 2735  
Proper shipping name : Amines, liquid, corrosive, n.o.s.  
(2,2'-iminodiethanol)  
Class : 8  
Packing group : III  
Labels : CORROSIVE  
ERG Code : 153  
Marine pollutant : no

### 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.

## SECTION 15. REGULATORY INFORMATION

**TSCA list** : All chemical substances in this product are either listed as active on the TSCA Inventory or are in compliance with a TSCA Inventory exemption.

The following substance(s) is/are subject to a Significant New Use Rule:

Diethanolisopropanolamine 6712-98-7 See 40 CFR § 721.10042; Final Rule

The following substance(s) is/are subject to TSCA 12(b) export notification requirements:

Diethanolisopropanolamine 6712-98-7

### CERCLA Reportable Quantity

Components	CAS-No.	Component RQ (lbs)
2,2'-iminodiethanol	111-42-2	100

### SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

### SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.



## SikaGrind®-374 US

Revision Date 07/24/2025

Print Date 07/24/2025

**SARA 311/312 Hazards** : Carcinogenicity  
Specific target organ toxicity (single or repeated exposure)  
Serious eye damage or eye irritation  
Skin corrosion or irritation

**SARA 313** : The following components are subject to reporting levels established by SARA Title III, Section 313:

2,2'-iminodiethanol	111-42-2	>= 5 - < 10 %
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### Clean Air Act

The following chemical(s) are listed as HAP under the U.S. Clean Air Act, Section 112 (40 CFR 61):

2,2'-iminodiethanol	111-42-2	>= 5 - < 10 %
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### California Prop. 65

**⚠ WARNING:** This product can expose you to chemicals including 2,2'-iminodiethanol, which is known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

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## SECTION 16. OTHER INFORMATION

### Full text of other abbreviations

ACGIH	: USA. ACGIH Threshold Limit Values (TLV)
OSHA P0	: USA. Table Z-1-A Limits for Air Contaminants (1989 vacated values)
ACGIH / TWA	: 8-hour, time-weighted average
OSHA P0 / TWA	: 8-hour time weighted average

### Notes to Reader

The information contained in this Safety Data Sheet applies only to the actual Sika Corporation ("Sika") product identified and described herein. This information is not intended to address, nor does it address the use or application of the identified Sika product in combination with any other material, product or process. All of the information set forth herein is based on technical data regarding the identified product that Sika believes to be reliable as of the date hereof. Prior to each use of any Sika product, the user must always read and follow the warnings and instructions on the product's current Product Data Sheet, product label and Safety Data Sheet for each Sika product, which are available at web site and/or telephone number listed in Section 1 of this SDS.

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## SikaGrind®-374 US

Revision Date 07/24/2025

Print Date 07/24/2025

All sales of Sika products are subject to its current terms and conditions of sale available at [www.sikausa.com](http://www.sikausa.com) or 201-933-8800.

Revision Date 07/24/2025

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