



**1. Identification**

Product name : SikaGrind®-872

Supplier : Sika Corporation  
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 USA  
 www.sikausa.com

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

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

**2. Hazards identification**

**GHS Classification**

Serious eye damage, Category 1	H318: Causes serious eye damage.
Carcinogenicity, Category 2	H351: Suspected of causing cancer.
Specific target organ systemic toxicity - repeated exposure, Category 2	H373: May cause damage to organs through prolonged or repeated exposure.

**GHS label elements**

Hazard pictograms :

Signal Word : Danger

Hazard Statements : H318 Causes serious eye damage.  
 H351 Suspected of causing cancer.  
 H373 May cause damage to organs through prolonged or repeated exposure.

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/ vapors/ spray.  
 P280 Wear eye protection/ face protection.  
 P281 Use personal protective equipment as required.



**Response:**

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P308 + P313 IF exposed or concerned: Get medical advice/attention.

P310 Immediately call a POISON CENTER/doctor.

**Storage:**

P405 Store locked up.

**Disposal:**

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

See Section 11 for more detailed information on health effects and symptoms.

There are no hazards not otherwise classified that have been identified during the classification process.

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

**3. Composition/information on ingredients**

**Hazardous ingredients**

Chemical name	CAS-No.	Concentration (%)
1,1,1-nitritotripropan-2-ol	122-20-3	$\geq 10 - < 20\%$
diethylene glycol	111-46-6	$\geq 5 - < 10\%$
2,2-iminodiethanol	111-42-2	$\geq 1 - < 2\%$

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

**4. First aid measures**

- 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 induce vomiting without medical advice.  
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.
- No known significant effects or hazards.
- Causes serious eye damage.  
Suspected of causing cancer.  
May cause damage to organs through prolonged or repeated exposure.
- Protection of first-aiders : Move out of dangerous area.  
Consult a physician.  
Show this material safety data sheet to the doctor in attendance.
- Notes to physician : Treat symptomatically.

**5. Fire-fighting measures**

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Specific extinguishing methods : 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.

**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.

**7. Handling and storage**

- 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.  
 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 : No data available

**8. Exposure controls/personal protection**

Component	CAS-No.	Basis **	Value	Exposure limit(s)* / Form of exposure
Glycerol	56-81-5	OSHA P0	TWA	10 mg/m3 Total
		ACGIH	TWA	10 mg/m3
Triethanolamine	102-71-6	ACGIH	TWA	5 mg/m3
2,2-iminodiethanol	111-42-2	ACGIH	TWA	1 mg/m3 Inhalable fraction and vapor
		OSHA P0	TWA	3 ppm 15 mg/m3

\*The above mentioned values are in accordance with the legislation in effect at the date of the release of this safety data sheet.

**\*\*Basis**

- ACGIH. Threshold Limit Values (TLV)
- OSHA P0. Table Z-1, Limit for Air Contaminat (1989 Vacated Values)
- OSHA P1. Permissible Exposure Limits (PEL), Table Z-1, Limit for Air Contaminant
- OSHA P2. Permissible Exposure Limits (PEL), Table Z-2
- OSHA Z3. Table Z-3, Mineral Dust

- 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.
- Hand protection  
Remarks : 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.

**9. Physical and chemical properties**

- Appearance : liquid
- Color : brown
- Odor : characteristic
- Odor Threshold : No data available
- Flash point : > 212 °F (100 °C)
- Ignition temperature : No data available
- Decomposition temperature : No data available
- Lower explosion limit (Vol%) : No data available
- Upper explosion limit (Vol%) : No data available
- Flammability (solid, gas) : No data available
- Oxidizing properties : No data available
- pH : 8



Melting point/range / Freezing point	: No data available
Boiling point/boiling range	: No data available
Vapor pressure	: 17 mmHg (23 hpa)
Density	: ca.1.122 g/cm <sup>3</sup> at 68 °F (20 °C)
Water solubility	: Note: soluble
Partition coefficient: n-octanol/water	: No data available
Viscosity, dynamic	: No data available
Viscosity, kinematic	: >20.5 mm <sup>2</sup> /s at 104 °F (40 °C)
Relative vapor density	: No data available
Evaporation rate	: No data available
Burning rate	: No data available
Volatile organic compounds (VOC) content	: 232.9 g/l

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**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

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**11. Toxicological information**

**Acute toxicity**

Not classified based on available information.

**Components:**

**1,1,1-nitriлотripropan-2-ol:**

Acute oral toxicity	: LD50 Oral (Rat): ca. 4,000 mg/kg
Acute dermal toxicity	: LD50 Dermal (Rabbit): > 5,000 mg/kg

**Skin corrosion/irritation**

Not classified based on available information.



**Serious eye damage/eye irritation**

Causes serious eye damage.

**Respiratory or skin sensitization**

Skin sensitization: Not classified based on available information.  
 Respiratory sensitization: Not classified based on available information.

**Germ cell mutagenicity**

Not classified based on available information.

**Reproductive toxicity**

Not classified based on available information.

**STOT-single exposure**

Not classified based on available information.

**STOT-repeated exposure**

May cause damage to organs through prolonged or repeated exposure.

**Aspiration toxicity**

Not classified based on available information.

**Carcinogenicity**

Suspected of causing cancer.

<b>IARC</b>	Group 2B: Possibly carcinogenic to humans				
<b>NTP</b>	<table border="0"> <tr> <td style="padding-right: 20px;">2,2-iminodiethanol</td> <td>111-42-2</td> </tr> <tr> <td>Not applicable</td> <td></td> </tr> </table>	2,2-iminodiethanol	111-42-2	Not applicable	
2,2-iminodiethanol	111-42-2				
Not applicable					

**12. Ecological information**

Other information Do not empty into drains; dispose of this material and its container in a safe way.  
 Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

**Component:**

1,1,1-nitriлотripropan-2-ol	122-20-3	<u>Toxicity to daphnia and other aquatic invertebrates:</u> EC50 Species: Daphnia Dose: > 500 mg/l Exposure time: 48 h
2,2-iminodiethanol	111-42-2	<u>Toxicity to daphnia and other aquatic invertebrates:</u> EC50 Species: Daphnia magna (Water flea) Dose: 55 mg/l Exposure time: 48 h  <u>Toxicity to algae:</u> EC50 Species: Pseudokirchneriella subcapitata (green algae) Dose: 75 mg/l Exposure time: 72 h



**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 handling site for recycling or disposal.

**14. Transport information**

**DOT**

- UN number 3082
- Description of the goods Environmentally Hazardous Substance, liquid, n.o.s. (2,2-iminodiethanol)
- Class 9
- Packing group III
- Labels 9

**IATA**

Not regulated

**IMDG**

Not regulated

**Shipments of this product in a single package which exceed ( 538 ) gallons are regulated as a Hazardous Substance as defined in 49 CFR 171.8**

**Special precautions for user**

No data available

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

Not applicable

**15. Regulatory information**

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

**EPCRA - Emergency Planning and Community Right-to-Know**

**CERCLA Reportable Quantity**





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

**SARA304 Reportable Quantity**

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

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

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

**SARA 313** : The following components are subject to reporting levels established by SARA Title III, Section 313:  
 2,2-iminodiethanol 111-42-2 1.98 %

**Clean Air Act**

**Ozone-Depletion Potential** This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

The following chemical(s) are listed as HAP under the U.S. Clean Air Act, Section 12 (40 CFR 61):

diethylene glycol	111-46-6	6.98 %
2,2-iminodiethanol	111-42-2	1.98 %

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

**California Prop 65**  **WARNING:** Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

**16. Other information**

**HMIS Classification**

<b>Health</b>	*	3
<b>Flammability</b>		1
<b>Physical Hazard</b>		0
<b>Personal Protection</b>		X

**Caution:** HMIS® rating is based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® rating is not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® rating is to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). Please note HMIS® attempts to convey full health warning information to all employees.

**Notes to Reader**



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