1. Identification

Product name : SurfEtch™ 15 Top Surface Retarder
Supplier : Sika Corporation
201 Polito Avenue
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: 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
Eye irritation, Category 2A
H319: Causes serious eye irritation.

GHS label elements
Hazard pictograms : !
Signal Word : Warning
Hazard Statements : H319 Causes serious eye irritation.
Precautionary Statements : Prevention:
P264 Wash skin thoroughly after handling.
P280 Wear eye protection/ face protection.
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.
P337 + P313 If eye irritation persists: Get medical advice/ attention.

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 >= 1%.

### 3. Composition/information on ingredients

#### Hazardous ingredients

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS-No.</th>
<th>Concentration (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>tartaric acid</td>
<td>87-69-4</td>
<td>&gt;= 5 - &lt; 10 %</td>
</tr>
<tr>
<td>citric acid</td>
<td>77-92-9</td>
<td>&gt;= 5 - &lt; 10 %</td>
</tr>
</tbody>
</table>

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**: 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 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.

**Irritant effects**: Causes serious eye irritation.

**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
### 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures**
- Use personal protective equipment.
- Deny access to unprotected persons.

**Environmental precautions**
- 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**
- 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.

**Materials to avoid**
- No data available

### 8. Exposure controls/personal protection

Contains no substances with occupational exposure limit values.

**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: Wash hands before breaks and immediately after handling the product. Remove contaminated clothing and protective equipment before entering eating areas.

9. Physical and chemical properties

   Appearance: liquid
   Color: green
   Odor: mild
   Odor Threshold: No data available
   Flash point: Note: Not applicable
   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
5 / 9

pH : ca. < 4 at 68 °F (20 °C)

Melting point/range / Freezing point : No data available
Boiling point/boiling range : No data available
Vapor pressure : 0.01 mmHg (0.01 hpa)
Density : 1.07 g/cm³ at 68 °F (20 °C)
Water solubility : Note: insoluble
Partition coefficient: n-octanol/water : No data available
Viscosity, dynamic : No data available
Viscosity, kinematic : > 20.5 mm²/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 : 0.25 g/l

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

11. Toxicological information

Acute toxicity
Not classified based on available information.

Ingredients:
tartaric acid:
Acute oral toxicity : LD50 Oral (Rat): 2,001 - 5,000 mg/kg
Acute dermal toxicity : LD50 Dermal (Rabbit): > 5,001 mg/kg
citric acid:
Acute oral toxicity: LD50 Oral (Rat): 11,700 mg/kg
Acute dermal toxicity: LD50 Dermal (Rat): > 2,000 mg/kg

Skin corrosion/irritation
Not classified based on available information.

Serious eye damage/eye irritation
Causes serious eye irritation.

Product:
Result: Eye irritation

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
Not classified based on available information.

Aspiration toxicity
Not classified based on available information.

Carcinogenicity
Not classified based on available information.

IARC               Not applicable
NTP                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:

<table>
<thead>
<tr>
<th>Component</th>
<th>UN No.</th>
<th>Toxicity to fish:</th>
</tr>
</thead>
<tbody>
<tr>
<td>tartaric acid</td>
<td>87-69-4</td>
<td>Toxicity to fish:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>LC50</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Species: Fish</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Dose: &gt; 100 mg/l</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Exposure time: 96 h</td>
</tr>
</tbody>
</table>

Toxicity to daphnia and other aquatic invertebrates:
EC50  
Species: Daphnia  
Dose: 93.3 mg/l  
Exposure time: 48 h

citric acid  77-92-9  
Toxicity to fish:  
LC50  
Species: Fish  
Dose: 440 - 760 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates:  
EC50  
Species: Daphnia magna (Water flea)  
Dose: 120 mg/l  
Exposure time: 48 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  
Not dangerous goods

IATA  
Not dangerous goods

IMDG  
Not dangerous goods

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
This material does not contain any components with a CERCLA RQ.

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

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

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

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).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

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
This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

16. Other information

HMIS Classification

<table>
<thead>
<tr>
<th>Health</th>
<th>Flammability</th>
<th>Physical Hazard</th>
<th>Personal Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td>/ 2</td>
<td>0</td>
<td>0</td>
<td>X</td>
</tr>
</tbody>
</table>

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
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.

SIKA MAKES NO WARRANTIES EXPRESS OR IMPLIED AND ASSUMES NO LIABILITY ARISING FROM THIS INFORMATION OR ITS USE. SIKA SHALL NOT BE LIABLE UNDER ANY LEGAL THEORY FOR SPECIAL OR CONSEQUENTIAL DAMAGES AND SHALL NOT BE RESPONSIBLE FOR THE USE OF THIS PRODUCT IN A MANNER TO INFRINGE ON ANY PATENT OR ANY OTHER INTELLECTUAL PROPERTY RIGHTS HELD BY OTHERS.

All sales of Sika products are subject to its current terms and conditions of sale available at www.sikausa.com or 201-933-8800.

Revision Date 06/21/2018

Material number: 563237