Safety Data Sheet
SurfEtch™

Section 1 Identification
PRODUCT IDENTITY: SurfEtch™
PRODUCT USES: Concrete Surface Retarder for Exposing Aggregate
COMPANY IDENTITY: Butterfield Color
COMPANY ADDRESS: 625 W Illinois Ave.
COMPANY CITY: Aurora, IL 60506
COMPANY PHONE: 1-630-906-1980
EMERGENCY PHONES: CHEMTREC: 1-800-424-9300 (USA)
CANUTEC: 1-613-996-6666 (CANADA)

Section 2, Hazard(s) identification
Warning
2.1 HAZARD STATEMENTS: (CAT = Hazard Category)
H100s = General, H200s = Physical, H300s = Health, H400s = Environmental

H313 May be harmful in contact with skin. (Cat: 5)
H320 Causes eye irritation. (CAT: 2B)

2.2 PRECAUTIONARY STATEMENTS:
P100s = General, P200s = Prevention, P300s = Response, P400s = Storage, P500s = Disposal

P201 Obtain special instructions before use.
P202 Do not handle till all safety precautions are understood.
P260 Do not breathe dust/fume/gas/mist/vapors/spray.
P264 Wash hands and forearms thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P304+340 IF INHALED: Remove victim to fresh air & keep at rest in a position comfortable for breathing.
P308+313 If exposed or concerned, get medical advice/attention.
P312 Call a poison control center / doctor if you fell unwell.
P361 Remove/Take off immediately all contaminated clothing.
P403+233 Store in well ventilated place. Keep containers tightly closed.
P501 Dispose of contents/ container in accordance with local/regional/national and international regulations.

SEE SECTIONS 8, 11 & 12 FOR TOXICOLOGICAL INFORMATION.
Section 3, Composition / Information on Ingredients

<table>
<thead>
<tr>
<th>MATERIAL</th>
<th>CAS#</th>
<th>EINECS#</th>
<th>WT %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tartaric and/or</td>
<td>87-69-4</td>
<td>201-766-0</td>
<td>1-10</td>
</tr>
<tr>
<td>Citric acids</td>
<td>77-92-9</td>
<td>201-069-1</td>
<td>1-10</td>
</tr>
</tbody>
</table>

TRACE COMPONENTS: Trace ingredients (if any) are present in < 1% concentration. None of the trace ingredients contribute significant additional hazards at the concentrations that may be present in this product. All pertinent hazard information has been provided in this document, per the requirements of the Federal Occupational Safety and Health Administration Standard (29 CFR 1910.1200), U.S. State equivalents, and Canadian Hazardous Materials Identification System Standard (CPR 4).

Section 4, First Aid Measures

4.1 MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE & DELAYED:
See Section 11 for symptoms/effects, acute & delayed.

4.2 GENERAL ADVICE:
First Aid responders should pay attention to self-protection and use the recommended protective clothing (chemical resistant gloves, splash protection). If potential for exposure exists, refer to Section 8 for specific personal protective equipment.

4.3 EYE CONTACT:
If this product enters the eyes, open eyes while under gently running water. Use sufficient force to open eyelids. "Roll" eyes to expose more surface. Minimum flushing’s for 15 minutes. Seek immediate medical attention.

4.4 SKIN CONTACT:
If the product contaminates the skin, wash with soapy water.

4.5 INHALATION:
After high vapor exposure, remove to fresh air.

4.6 SWALLOWING:
If swallowed, CALL PHYSICIAN OR POISON CONTROL CENTER FOR MOST CURRENT INFORMATION. If professional advice is not available, give two glasses of water to drink. DO NOT INDUCE VOMITING. Never induce vomiting or give liquids to someone who is unconscious, having convulsions, or unable to swallow. Seek immediate medical attention.

4.7 NOTES TO PHYSICIAN:
There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient. Any material aspirated during vomiting may cause lung injury. Therefore, emesis should not be induced mechanically or pharmacologically. If it is considered necessary to evacuate the stomach contents, this should be done by means least likely to cause aspiration (such as: Gastric lavage after endotracheal intubation).

Section 5, Fire Fighting Measures

5.1 FIRE & EXPLOSION PREVENTIVE MEASURES:
The material is non-flammable and will not support combustion.

5.2 SUITABLE (& UNSUITABLE) EXTINGUISHING MEDIA:
NA.

5.3 SPECIAL PROTECTIVE EQUIPMENT & PRECAUTIONS FOR FIRE FIGHTERS:
NA.
5.4 SPECIFIC HAZARDS OF CHEMICAL & HAZARDOUS COMBUSTION PRODUCTS: 
NA

Section 6, Accidental Release Measures

6.1 SPILL AND LEAK RESPONSE AND ENVIRONMENTAL PRECAUTIONS: 
Isolate and contain spill. Place waste in a disposal container and dispose of in accordance with local and state RCRA 
rules and regulation.

6.2 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, EMERGENCY PROCEDURES: 
NA.

6.3 ENVIRONMENTAL PRECAUTIONS: 
NA.

6.4 METHODS AND MATERIAL FOR CONTAINMENT & CLEAN-UP: 
Pick up material and reuse as needed.

Section 7, Handling and Storage

7.1 PRECAUTIONS FOR SAFE HANDLING: 
Standard work gloves, disposable dust mask to control excessive dust.

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES: 
Store in a cool, dry location. Isolate from Fluorine, magnesium, acids, alum, ammonium salts.

Section 8, Exposure Controls / Personal Protective Equipment

8.1 EXPOSURE LIMITS: 
MATERIAL 
None Listed, Product is non Hazardous

8.2 APPROPRIATE ENGINEERING CONTROLS: 
RESPIRATORY EXPOSURE CONTROLS 
Maintain airborne contaminant concentrations below exposure limits given above. If respiratory protection is needed, 
use only protection authorized in 29 CFR 1910.134, European Standard EN 149, or applicable State regulations.

EMERGENCY OR PLANNED ENTRY INTO UNKNOWN CONCENTRATIONS OR IDLH CONDITIONS 
NA.

VENTILATION 
LOCAL EXHAUST: If Necessary MECHANICAL (GENERAL): If Necessary 
SPECIAL: None OTHER: None

Please refer to ACGIH document, "Industrial Ventilation, A Manual of Recommended Practices", most recent edition, 
for details.

8.3 INDIVIDUAL PROTECTION MEASURES, SUCH AS PERSONAL PROTECTIVE EQUIPMENT: 
EYE PROTECTION: 
Splash goggles or safety glasses.

HAND PROTECTION: 
Use standard cloth work gloves.

BODY PROTECTION: 
Use body protection appropriate for task. Coveralls, are generally acceptable, depending on the task.
Work & Hygienic Practices:
Provide readily accessible eye wash stations & safety showers. Wash at end of each shift & before eating, smoking or using the toilet. Remove clothing that becomes contaminated.

Section 9, Physical & Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Blue liquid</td>
</tr>
<tr>
<td>Odor</td>
<td>Mild Odor</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>Not Available</td>
</tr>
<tr>
<td>pH (Neutrality)</td>
<td>&lt;4</td>
</tr>
<tr>
<td>Melting Point/Freezing Point</td>
<td>Not Available</td>
</tr>
<tr>
<td>Boiling Range (IBP,50%,Dry Point)</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Flash Point (Test Method)</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Evaporation Rate (n-Butyl Acetate=1)</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Flammability Classification</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Lower Flammable Limit in Air (% by vol)</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Upper Flammable Limit in Air (% by vol)</td>
<td>Not Available</td>
</tr>
<tr>
<td>Vapor Pressure (mm of Hg @ 20 C)</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Vapor Density (air=1)</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Gravity @ 68/68 F / 20/20 C</td>
<td>Not Available</td>
</tr>
<tr>
<td>Density</td>
<td>Not Available</td>
</tr>
<tr>
<td>Specific Gravity (Water=1)</td>
<td>1.07</td>
</tr>
<tr>
<td>Pounds/Gallon</td>
<td>Not Available</td>
</tr>
<tr>
<td>Water Solubility</td>
<td>Insoluble</td>
</tr>
<tr>
<td>Partition Coefficient (n-Octane/Water)</td>
<td>Not Available</td>
</tr>
<tr>
<td>Density</td>
<td>Not Available</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>Not Available</td>
</tr>
<tr>
<td>VOCs (&gt;0.044 Lbs./Sq In)</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Total VOC's (TVOC)*</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Nonexempt VOC's (CVOC)*</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Hazardous Air Pollutants (HAPS)</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Nonexempt VOC Pressure (mm of Hg @ 20 C)</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Viscosity @ 20 C (ASTM D445)</td>
<td>Not Applicable</td>
</tr>
</tbody>
</table>

* Using CARB (California Air Resources Board Rules).

Section 10, Stability & Reactivity

10.1 Reactivity & Chemical Stability:
Stable under normal conditions.

10.2 Possibility of Hazardous Reactions & Conditions to Avoid:
NL.

10.3 Incompatible Materials:
Strong Oxidizing Agents, Unintentional contact with water.

10.4 Hazardous Decomposition Products:
NL.

10.5 Hazardous Polymerization:
Will not occur.
Section 11, Toxicological Information

11.1 ACUTE HAZARDS

11.11 EYE & SKIN CONTACT:
May cause irritation to skin, and eyes.
Primary irritation to eyes, redness, tearing, blurred vision.
Wash thoroughly after handling with soap and water.

11.12 INHALATION:
May irritate respiratory tract.

11.13 SWALLOWING:
Harmful if swallowed. Swallowing can cause abdominal irritation, nausea, vomiting & diarrhea.

11.2 SUBCHRONIC HAZARDS/CONDITIONS AGGRAVATED

CONDITIONS AGGRAVATED
NL

11.3 CHRONIC HAZARDS

11.31 NL

11.4 MAMMALIAN TOXICITY INFORMATION
No recognized unusual toxicity to plants and animals

Section 12, Ecological Information

12.1 ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION.

12.2 EFFECT OF MATERIAL ON PLANTS AND ANIMALS:
NL.

12.3 EFFECT OF MATERIAL ON AQUATIC LIFE:
NL.

12.4 MOBILITY IN SOIL
Mobility of this material has not been determined.

12.5 DEGRADABILITY
Will not degrade.

12.6 ACCUMULATION
Bioaccumulation of this product has not been determined.

Section 13, Disposal Considerations

Material may be picked up, reclaimed and reused.

Section 14, Transportation Information

MARINE POLLUTANT: No
DOT/TDG SHIP NAME: Non Regulated
DRUM LABEL: Non Regulated
IATA / ICAO: Non Regulated
IMO / IMDG: Non Regulated
Section 15, Regulatory Information

15.1 EPA REGULATION:

SARA SECTION 311/312 HAZARDS:
Non Hazardous, No Sara Reportable
All components of this product are on the TSCA list.

SARA TITLE III SECTION 313 SUPPLIER NOTIFICATION

SARA TITLE III INGREDIENTS
None

RISK AND SAFETY PHRASES
None

15.2 STATE REGULATIONS:
Not applicable

Section 16, Other Information

16.1 HAZARD RATINGS:

HEALTH (NFPA): , HEALTH (HMIS): 1, FLAMMABILITY: 0, Reactivity: 0

16.2 EMPLOYEE TRAINING
Employees should be made aware of all hazards of this material (as stated in this SDS) before handling it.

16.3 SDS DATE: 6/11/2015

Notice:

Butterfield Color expressly disclaims all express or implied warranties of merchantability and fitness for a particular purpose with respect to the product or information provided herein, and shall under no circumstances be liable for incidental or consequential damages.

All information appearing herein is based upon data obtained from manufacturers and/or recognized technical sources. While the information is believed to be accurate, we make no representations as to its accuracy or sufficiency.

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This information relates only to the product designated herein, and does not relate to its use in combination with any other material or process.

Prepared By: HS&E Compliance Resources