



*Engineered Concrete Performance*

625 W. Illinois Ave., Aurora IL 60506  
Ph.: (630) 906-1980 - Fax: (630) 906-1982  
www.butterfieldcolor.com

## Safety Data Sheet

### ELEMENTS™

**THIS SDS COMPLIES WITH 29 CFR 1910.1200 (HAZARD COMMUNICATION STANDARD)**

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#### Section 1 Identification

PRODUCT IDENTITY: Elements™  
PRODUCT USES: Transparent Stain for Concrete

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)

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#### Section 2, Hazard(s) identification

### Warning

#### 2.1 HAZARD STATEMENTS: (CAT = Hazard Category)

**H100s = General, H200s = Physical, H300s = Health, H400s = Environmental**

H 303 H313 H333 May be harmful if swallowed, in contact with skin or inhaled. (CAT: 5).  
H 320 Causes Eye Irritation. (CAT: 2B)

#### 2.2 PRECAUTIONARY STATEMENTS:

**P100s = General, P200s = Prevention, P300s = Response, P400s = Storage, P500s = Disposal**

P202 Do not handle till all safety precautions are understood  
P260 Do not breathe dust/fume/gas/mist/vapors/spray.  
P261 Avoid breathing, dusts, fumes, mists, vapors, spray.  
P264 Wash with soap & water thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P271 Use only outdoors or in a well-ventilated area.  
P272 Contaminated work clothing should not be allowed out of the work area.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P302+352 IF ON SKIN: Wash with soap & water.  
P304+340 IF INHALED: Remove victim to fresh air & keep at rest in a position comfortable for breathing.  
P305+351  
+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact Lenses if present & easy to do - Continue rinsing.  
P309+312 If exposed or you feel unwell: Call a POISON CENTER or doctor/physician.  
P332+313 If skin irritation occurs: Get medical advice/attention.  
P337+313 If eye irritation persists, get medical advice/attention.  
P361 Remove/Take off immediately all contaminated clothing.  
P363 Wash contaminated clothing before reuse.  
P501 Dispose of contents/container in accordance with local/ regional/ national/ international regulations

**SEE SECTIONS 8, 11 & 12 FOR TOXICOLOGICAL INFORMATION.**

### Section 3, Composition / Information on Ingredients

MATERIAL	CAS#	EINECS#	WT %
Isobutyl Alcohol	78-83-1	201-148-0	1-5

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. Trade Secret Component is non-hazardous. 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).

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### 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).

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### Section 5, Fire Fighting Measures

5.1 FIRE & EXPLOSION PREVENTIVE MEASURES:

The material is non-flammable and non-combustible – FP >200° F.

5.2 SUITABLE (& UNSUITABLE) EXTINGUISHING MEDIA:

NA.

5.3 SPECIAL PROTECTIVE EQUIPMENT & PRECAUTIONS FOR FIRE FIGHTERS:

Firefighters should wear NIOSH/MSHA SCBA and Full Protective clothing.

5.4 SPECIFIC HAZARDS OF CHEMICAL & HAZARDOUS COMBUSTION PRODUCTS:

Cool tightly closed containers which will pressurize during a fire

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### Section 6, Accidental Release Measures

6.1 SPILL AND LEAK RESPONSE AND ENVIRONMENTAL PRECAUTIONS:

Isolate and contain spill. Avoid runoff into a sewer or waterway. Materials can be collected and reused if possible. 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:  
Chemical Splash Goggles, impervious gloves and clothing and a P100 / OV Air Purifying Respirator if working in a non-ventilated area.

6.3 ENVIRONMENTAL PRECAUTIONS:  
Avoid runoff into municipal conveyances and waterways.

6.4 METHODS AND MATERIAL FOR CONTAINMENT & CLEAN-UP:  
Dike with inert materials and dispose of accordingly to applicable RCRA rules.

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### Section 7, Handling and Storage

7.1 PRECAUTIONS FOR SAFE HANDLING:  
Chemical Splash Goggles, impervious gloves and clothing and a P100 / OV Air Purifying Respirator if working in a non-ventilated area.

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:  
Store in a cool, dry location.

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### Section 8, Exposure Controls / Personal Protective Equipment

#### 8.1 EXPOSURE LIMITS: MATERIAL

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

HAZARDOUS COMPONENTS	ACGIH ppm	OSHA Rel ppm	ACGIH ppm
Isobutyl Alcohol (CAS. 78-83-1)	50	50 TWA	15 TWA

#### 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:  
Chemical impervious 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

APPEARANCE:	
ODOR:	Slight Odor
ODOR THRESHOLD:	Not Available
pH (Neutrality):	Not Available
MELTING POINT/FREEZING POINT:	0°C
BOILING RANGE (IBP, 50%, Dry Point):	100° C
FLASH POINT (TEST METHOD):	> 93°F
EVAPORATION RATE (n-Butyl Acetate=1):	(water = 1), 1.0
FLAMMABILITY CLASSIFICATION:	Not Applicable
LOWER FLAMMABLE LIMIT IN AIR (% by vol):	Not Applicable
UPPER FLAMMABLE LIMIT IN AIR (% by vol):	Not Available
VAPOR PRESSURE (mm of Hg)@20 C	17.5 mm of Hg
VAPOR DENSITY (air=1):	1
GRAVITY @ 68/68 F / 20/20 C:	
DENSITY:	
SPECIFIC GRAVITY (Water=1):	1
POUNDS/GALLON:	8.3
WATER SOLUBILITY:	Soluble
PARTITION COEFFICIENT (n-Octane/Water):	Not Available
DENSITY:	Not Available
DECOMPOSITION TEMPERATURE:	Not Available
VOCs (>0.044 Lbs./Sq In) :	Not Applicable
TOTAL VOC'S (TVOC)*:	less than 50 GPL
NONEXEMPT VOC'S (CVOC)*:	Not Applicable
HAZARDOUS AIR POLLUTANTS (HAPS):	none
NONEXEMPT VOC PRESSURE (mm of Hg @ 20 C)	Not Applicable
VISCOSITY @ 20 C (ASTM D445):	Not Applicable
* Using CARB (California Air Resources Board Rules).	

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## 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.

10.4 HAZARDOUS DECOMPOSITION PRODUCTS:  
Carbon Monoxide and Carbon Dioxide may be produced in a fire.

10.5 HAZARDOUS POLYMERIZATION:  
Will not occur.

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## Section 11, Toxicological Information

### 11.1 ACUTE HAZARDS

11.11 EYE & SKIN CONTACT:  
May cause redness and irritation to skin, and eyes.

11.12 INHALATION:  
Irritates 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

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## 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.

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## Section 13, Disposal Considerations

Use inert absorbents to absorb spilled material, dispose of according to RCRA regulations.

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## 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

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## Section 15, Regulatory Information

15.1 EPA REGULATION:  
SARA SECTION 311/312 HAZARDS: NL

All components of this product are on the TSCA list.  
SARA Title III Section 313 Supplier Notification

15.1 SARA TITLE III INGREDIENTS  
Acute, Chronic

15.2 STATE REGULATIONS:

COMPONENT	CAS	MA	NJ	PA
Isobutyl Alcohol	78-83-1	YES	YES	YES

15.3 INTERNATIONAL REGULATIONS  
NA

15.4 CANADA: WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS)  
NA

## 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: 05/29/15

#### Notice:

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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