

(Material) Safety Data Sheet



Section 1 - Product and Company Identification

Material Name	▪ Flat Out™ Polymer
Internal MSDS No	▪ 139
Product Description	▪ Additive for cementitious mixes.
Product Use	▪ Polymer for use with Flat Out™ Countertop Mix.
Manufacturer	▪ Butterfield Color 625 W. Illinois Ave. Aurora, IL 60506 United States www.butterfieldcolor.com
Telephone	
General	▪ (800)-282-3388
General	▪ (630)-906-1982 - Fax
<u>Emergency</u>	▪ (800)-424-9300 - ChemTrec
Preparation Date	▪ 11/4/2010
Last Revision Date	▪ 11/4/2010

Section 2 - Hazards Identification

Emergency Overview

WARNING
Causes eye irritation.

Prevention	Wash thoroughly after handling.
Response	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Storage/Disposal	Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

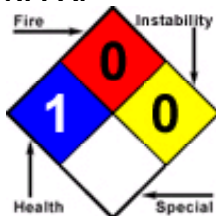
Physical Form	▪ Liquid
Color	▪ White
Odor	▪ Mild-sweet
OSHA	▪ None
WHMIS	▪ None
EU	▪ None

GHS

Route Of Entry

- Serious Eye Damage, Eye Irritation - Category 2B
- Inhalation, Eye

NFPA:



Potential Health Effects

Inhalation

Acute (Immediate)

- May cause minor respiratory irritation.

Chronic (Delayed)

- No data available.

Skin

Acute (Immediate)

- Under normal conditions of use, no health effects are expected.

Chronic (Delayed)

- No data available.

Eye

Acute (Immediate)

- May cause mild irritation.

Chronic (Delayed)

- No data available.

Ingestion

Acute (Immediate)

- Under normal conditions of use, no health effects are expected.

Chronic (Delayed)

- No data available.

Potential Environmental Effects

- This material contains a component that is toxic to aquatic life.

See Section 12 for Ecological Information.

Section 3 - Composition/Information on Ingredients

Hazardous Components						
Chemical Name	CAS	%(weight)	UN;EINECS	LD50/LC50	EU Classification & R Phrases	Other
Latex Polymer	Proprietary	5% TO 25%	Proprietary	NDA	NDA	NDA
Colloidal Silica	Proprietary	5% TO 10%	Proprietary	NDA	NDA	NDA
Proprietary	Proprietary	0% TO 1%	Proprietary	Ingestion/Oral-Rat LD50: =20 g/kg Skin-Rabbit LD50: =20800 mg/kg	NDA	NDA
Proprietary	Proprietary	0% TO 1%	Proprietary	NDA	NDA	NDA
Proprietary	Proprietary	0% TO 1%	Proprietary	NDA	NDA	NDA
Non-Hazardous Components						
Chemical Name	CAS	%(weight)	UN;EINECS	LD50/LC50	EU Classification & R Phrases	Other
Proprietary	Proprietary	55% TO 65%	Proprietary	NDA	NDA	NDA

Under United States Regulations (29 CFR 1900.1200 - Hazard Communication Standard), this product is considered hazardous. In Canada, the product mentioned above is considered hazardous under the Workplace Hazardous Materials Information System (WHMIS). This product is considered dangerous according to the European Directive 67/548/EEC. According to the Globally Harmonized Standard for Classification and Labeling (GHS) this product is considered

hazardous.

See Section 11 for Toxicological Information.

Section 4 - First Aid Measures

Inhalation	<ul style="list-style-type: none">▪ Move victim to fresh air. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing.
Skin	<ul style="list-style-type: none">▪ In case of contact with substance, immediately flush skin with running water for at least 20 minutes. Remove and isolate contaminated clothing and shoes.
Eye	<ul style="list-style-type: none">▪ In case of contact with substance, immediately flush eyes with running water for at least 20 minutes.
Ingestion	<ul style="list-style-type: none">▪ If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
General Information	<ul style="list-style-type: none">▪ Call 911 or emergency medical service. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

See Section 2 for Potential Health Effects.

Section 5 - Fire Fighting Measures

Extinguishing Media	<ul style="list-style-type: none">▪ LARGE FIRE: Water spray, fog or regular foam.▪ SMALL FIRES: Dry chemical, CO2, water spray or regular foam.
Unsuitable Extinguishing Media	<ul style="list-style-type: none">▪ No data available.
Firefighting Procedures	<ul style="list-style-type: none">▪ Dike fire control water for later disposal.▪ Keep unauthorized personnel away.▪ Stay upwind.▪ LARGE FIRES: Do not scatter spilled material with high pressure water streams.▪ LARGE FIRES: Move containers from fire area if you can do it without risk.
Unusual Fire and Explosion Hazards	<ul style="list-style-type: none">▪ No data available.
Hazardous Combustion Products	<ul style="list-style-type: none">▪ No data available.
Protection of Firefighters	<ul style="list-style-type: none">▪ Structural firefighters' protective clothing will only provide limited protection. Wear positive pressure self-contained breathing apparatus (SCBA).

Section 6 - Accidental Release Measures

Personal Precautions	<ul style="list-style-type: none">▪ Do not touch or walk through spilled material. Stay upwind.
Emergency Procedures	<ul style="list-style-type: none">▪ Keep unauthorized personnel away.
Environmental Precautions	<ul style="list-style-type: none">▪ Runoff from fire control may cause pollution.
Containment/Clean-up Measures	<ul style="list-style-type: none">▪ Stop leak if you can do it without risk.▪ Prevent entry into waterways, sewers, basements or confined areas.▪ SMALL SPILLS: Take up with sand or other non -combustible absorbent material and place into containers for later disposal.▪ LARGE SPILLS: Dike far ahead of liquid spill for later disposal.
Prohibited Materials	<ul style="list-style-type: none">▪ No data available.

Section 7 - Handling and Storage

Handling	<ul style="list-style-type: none">▪ Use good safety and industrial hygiene practices.
Storage	<ul style="list-style-type: none">▪ Store in a cool, dry place.
Special Packaging Materials	<ul style="list-style-type: none">▪ No data available.
Incompatible Materials or Ignition Sources	<ul style="list-style-type: none">▪ No data available.

Section 8 - Exposure Controls/Personal Protection

Personal Protective Equipment

Pictograms



Respiratory

Eye/Face

Hands

Skin/Body

- In case of insufficient ventilation, wear suitable respiratory equipment.
- Wear protective eyewear (goggles, face shield, or safety glasses).
- Wear appropriate gloves.
- No data available.

General Industrial Hygiene Considerations

Engineering Measures/Controls

- Do not get in eyes or on skin or clothing. Handle in accordance with good industrial hygiene and safety practice.
- No data available.

Exposure Limits/Guidelines		
	Result	Canada Ontario
Proprietary (Proprietary)	TWAs	50 ppm TWAEV (total aerosol and vapour); 155 mg/m ³ TWAEV (total aerosol and vapour); 10 mg/m ³ TWAEV (for assessing the visibility in a work environment, aerosol only)

Key to abbreviations

TWA = Time-Weighted Averages are based on 8h/day, 40h/week exposures

TWAEV = Time-Weighted Average Exposure Value

Section 9 - Physical and Chemical Properties

Physical Form

- Liquid

Appearance/Description

- White liquid with mild sweet odor.

Color : White		Odor : Mild-sweet	
Taste : NDA		Odor Threshold : NDA	
Boiling Point:	NDA	Vapor Pressure:	NDA
Melting Point:	NDA	Vapor Density:	NDA
Specific Gravity:	NDA	Evaporation Rate:	NDA
Density:	NDA	VOC (Wt.):	NDA
Bulk Density:	NDA	VOC (Vol.):	NDA
pH:	NDA	Volatiles (Wt.):	NDA
Water Solubility:	NDA	Volatiles (Vol.):	NDA
Solvent Solubility:	NDA	Flash Point:	NDA
Viscosity:	NDA	Flash Point Test Type:	NDA
Half-Life:	NDA	UEL:	NDA
Octanol/Water Partition coefficient:	NDA	LEL:	NDA
Coefficient of water/oil distribution:	NDA	Autoignition:	NDA
Bioaccumulation Factor:	NDA	Bioconcentration Factor:	NDA
Biochemical Oxygen Demand BOD/BOD ₅ :	NDA	Chemical Oxygen Demand:	NDA
Persistence:	NDA	Degradation:	NDA

Section 10 - Stability and Reactivity

Stability	<ul style="list-style-type: none"> Stable
Hazardous Polymerization	<ul style="list-style-type: none"> Hazardous polymerization will not occur.
Conditions to Avoid	<ul style="list-style-type: none"> No data available.
Incompatible Materials	<ul style="list-style-type: none"> No data available.
Hazardous Decomposition Products	<ul style="list-style-type: none"> No data available.

Section 11 - Toxicological Information

Component Name	Concentration	CAS	Data
Proprietary	0% TO 1%	Proprietary	Acute Toxicity: orl-rat LD50:20 gm/kg; ihl-rat TCLo:2180 mg/m3/6H/90D-I; skn-rbt LD50:20800 mg/kg; skn-hmn TDLo:4.5 mg/kg/3D-I; Irritation: eye-rbt 100 mg MLD; eye-rbt 500 mg/24H MLD; skn-hmn 500 mg/7D MLD; skn-hmn 104 mg/3D-I MOD; skn-man 10%/2D; skn-wmn 30%/96H open MLD
Proprietary	< 1.75%	Proprietary	Acute Toxicity: orl-mus LD50:3500 mg/kg; orl-rat LD50:4190 mg/kg; skn-mus TDLo:600 mg/kg/4W-I; Irritation: eye-rbt 1% SEV; Mutagen: oms-rat-ork 10200 mg/kg; dni-hmn:lym 5 ppm; dni-mus:oth 10 ppm

Key to abbreviations

TD = Toxic Dose	MOD = Moderate
LD = Lethal Dose	SEV = Severe
MLD = Mild	

Section 12 - Ecological Information

Ecological Fate	<ul style="list-style-type: none"> No data available.
Persistence/Degradability	<ul style="list-style-type: none"> No data available.
Bioaccumulation Potential	<ul style="list-style-type: none"> No data available.
Mobility in Soil	<ul style="list-style-type: none"> No data available.
Other Information	<ul style="list-style-type: none"> A component of this material may cause aquatic toxicity.

Section 13 - Disposal Considerations

Product	<ul style="list-style-type: none"> Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.
Packaging	<ul style="list-style-type: none"> Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Section 14 - Transportation Information

DOT - United States - Department of Transportation

Shipping Name: Not Regulated

TDG - Canada - Transport of Dangerous Goods

Shipping Name: Not Regulated

IMO/IMDG –International Maritime Transport

Shipping Name: Not Regulated

ADN - Europe Transport of Dangerous Goods by Road/Inland Waterway

Shipping Name: Not Regulated

IATA - International Air Transport Association

Shipping Name: Not Regulated

ADR - Europe Transport of Dangerous Goods by Road/Inland Waterway

Shipping Name: Not Regulated

RID - Europe Transport of Dangerous Goods by Railways

Shipping Name: Not Regulated

Section 15 - Regulatory Information

SARA Hazard Classifications ▪ None

State Right To Know				
Component	CAS	MA	NJ	PA
Proprietary	Proprietary	No	No	No
Latex Polymer	NDA	No	No	No
Colloidal Silica	NDA	No	No	No
Proprietary	Proprietary	No	Yes	Yes
Proprietary	NDA	No	No	No
Proprietary	NDA	No	No	No
Proprietary	Proprietary	No	No	No

Inventory					
Component	CAS	Canada DSL	China	EU EINECS	TSCA
Proprietary	Proprietary	Yes	Yes	Yes	Yes
Latex Polymer	NDA	No	No	No	No
Colloidal Silica	NDA	No	No	No	No
Proprietary	Proprietary	Yes	Yes	Yes	Yes
Proprietary	NDA	No	No	No	No
Proprietary	NDA	No	No	No	No
Proprietary	Proprietary	Yes	Yes	No	Yes

Canada

Labor

Canada - WHMIS - Classifications of Substances

- *Proprietary Proprietary* 0% TO 1% Uncontrolled product according to WHMIS classification criteria
- *Proprietary Proprietary* 55% TO 65% Uncontrolled product according to WHMIS classification criteria
- *Proprietary Proprietary* < 1.75% D2B

Canada - WHMIS - Ingredient Disclosure List

- *Proprietary Proprietary* 0% TO 1% 1 %
- *Proprietary Proprietary* 55% TO 65% Not Listed
- *Proprietary Proprietary* < 1.75% 1 %

China

Other

China - Dangerous Goods List

- *Proprietary Proprietary* 0% TO 1% Not Listed
- *Proprietary Proprietary* 55% TO 65% Not Listed
- *Proprietary Proprietary* < 1.75% Not Listed

Europe

Other

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Classification

- *Proprietary Proprietary* 0% TO 1% Not Listed
- *Proprietary Proprietary* 55% TO 65% Not Listed
- *Proprietary Proprietary* < 1.75% Not Listed

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Concentration Limits

- *Proprietary Proprietary* 0% TO 1% Not Listed
- *Proprietary Proprietary* 55% TO 65% Not Listed
- *Proprietary Proprietary* < 1.75% Not Listed

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Labelling

- *Proprietary Proprietary* 0% TO 1% Not Listed
- *Proprietary Proprietary* 55% TO 65% Not Listed
- *Proprietary Proprietary* < 1.75% Not Listed

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Notes - Substances and Preparations

- *Proprietary Proprietary* 0% TO 1% Not Listed
- *Proprietary Proprietary* 55% TO 65% Not Listed
- *Proprietary Proprietary* < 1.75% Not Listed

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Safety Phrases

- *Proprietary Proprietary* 0% TO 1% Not Listed
- *Proprietary Proprietary* 55% TO 65% Not Listed
- *Proprietary Proprietary* < 1.75% Not Listed

United States

Labor

U.S. - OSHA - Process Safety Management - Highly Hazardous Chemicals

- *Proprietary Proprietary* 0% TO 1% Not Listed
- *Proprietary Proprietary* 55% TO 65% Not Listed
- *Proprietary Proprietary* < 1.75% Not Listed

U.S. - OSHA - Specifically Regulated Chemicals

- *Proprietary Proprietary* 0% TO 1% Not Listed
- *Proprietary Proprietary* 55% TO 65% Not Listed
- *Proprietary Proprietary* < 1.75% Not Listed

Environment

U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants

- *Proprietary Proprietary* 0% TO 1% Not Listed
- *Proprietary Proprietary* 55% TO 65% Not Listed
- *Proprietary Proprietary* < 1.75% Not Listed

U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities

- *Proprietary Proprietary* 0% TO 1% Not Listed
- *Proprietary Proprietary* 55% TO 65% Not Listed
- *Proprietary Proprietary* < 1.75% Not Listed

U.S. - CERCLA/SARA - Radionuclides and Their Reportable Quantities

- *Proprietary Proprietary* 0% TO 1% Not Listed
- *Proprietary Proprietary* 55% TO 65% Not Listed
- *Proprietary Proprietary* < 1.75% Not Listed

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs

- *Proprietary Proprietary* 0% TO 1% Not Listed
- *Proprietary Proprietary* 55% TO 65% Not Listed
- *Proprietary Proprietary* < 1.75% Not Listed

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs

- *Proprietary Proprietary* 0% TO 1% Not Listed
- *Proprietary Proprietary* 55% TO 65% Not Listed
- *Proprietary Proprietary* < 1.75% Not Listed

U.S. - CERCLA/SARA - Section 313 - Emission Reporting

- *Proprietary Proprietary* 0% TO 1% Not Listed
- *Proprietary Proprietary* 55% TO 65% Not Listed
- *Proprietary Proprietary* < 1.75% Not Listed

U.S. - CERCLA/SARA - Section 313 - PBT Chemical Listing

- *Proprietary Proprietary* 0% TO 1% Not Listed
- *Proprietary Proprietary* 55% TO 65% Not Listed
- *Proprietary Proprietary* < 1.75% Not Listed

United States - California

Environment

U.S. - California - Proposition 65 - Carcinogens List

- *Proprietary Proprietary* 0% TO 1% Not Listed
- *Proprietary Proprietary* 55% TO 65% Not Listed
- *Proprietary Proprietary* < 1.75% Not Listed

U.S. - California - Proposition 65 - Developmental Toxicity

- *Proprietary Proprietary* 0% TO 1% Not Listed
- *Proprietary Proprietary* 55% TO 65% Not Listed
- *Proprietary Proprietary* < 1.75% Not Listed

U.S. - California - Proposition 65 - Reproductive Toxicity - Female

- *Proprietary Proprietary* 0% TO 1% Not Listed
- *Proprietary Proprietary* 55% TO 65% Not Listed
- *Proprietary Proprietary* < 1.75% Not Listed

U.S. - California - Proposition 65 - Reproductive Toxicity - Male

- *Proprietary Proprietary* 0% TO 1% Not Listed
- *Proprietary Proprietary* 55% TO 65% Not Listed
- *Proprietary Proprietary* < 1.75% Not Listed

United States - Rhode Island**Labor****U.S. - Rhode Island - Hazardous Substance List**

- *Proprietary Proprietary* 0% TO 1% Flammable
- *Proprietary Proprietary* 55% TO 65% Not Listed
- *Proprietary Proprietary* < 1.75% Not Listed

Section 16 - Other Information

Preparation Date	▪ 11/4/2010
Last Revision Date	▪ 11/4/2010
Disclaimer/Statement of Liability	▪ Reasonable care has been taken in the preparation of this information, but the supplier gives no warranty of merchantability or of fitness for a particular purpose. Any product purchased is sold on the assumption the purchaser will make his own tests to determine the quality and suitability of the product. Supplier expressly disclaims any and all liability for incidental and/or consequential property damage arising out of the use of this product. No information provided shall be deemed to be a recommendation to use any product in conflict with any existing patent rights. Read the Material Safety Data Sheet before handling product.