



Engineered Concrete Performance

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Safety Data Sheet

Uni-Mix[®] Liquid

Integral Color

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

Section 1 Identification

PRODUCT IDENTITY: Uni-Mix[®] Liquid Integral Color
PRODUCT USES: Concrete Colorant

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

While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), the SDS contains valuable information critical to the safe handling and proper use of the product. The SDS should be retained and available for employees and other users of this product.

2.1 HAZARD STATEMENTS: (CAT = Hazard Category)

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

No Known significant effects or critical hazards.

2.2 PRECAUTIONARY STATEMENTS:

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

P202 Do not handle until all safety precautions have been read and understood
P261 Avoid breathing, dusts, fumes, mists, vapors, spray.
P264 Wash 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.
P302+352 If on skin wash with plenty of water
P304+340 IF INHALED: Remove victim to fresh air & keep at rest in a position comfortable for breathing.
P309+312 If exposed or you feel unwell: Call a POISON CENTER or doctor/physician.
P330 Rinse mouth if oral exposure occurs.
P332+313 If skin irritation occurs, get medical advice.
P403+P233 Store in a 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

MATERIAL	CAS#	EINECS#	WT %
Iron Oxide	1332-37-2	215-570-8	60-70

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:

If exposed or concerned: Get medical advice/attention. Ensure that medical personnel are aware of the material(s) involved. Wash contaminated clothing before reuse.

4.3 EYE CONTACT:

Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Get medical attention if irritation develops and persists.

4.4 SKIN CONTACT:

Rinse skin with water/shower. Get medical attention if irritation develops and persists.

4.5 INHALATION:

Move to fresh air. Call a physician if symptoms develop or persists.

4.6 SWALLOWING:

If swallowed, CALL PHYSICIAN OR POISON CONTROL CENTER FOR MOST CURRENT INFORMATION.

Section 5, Fire Fighting Measures

5.1 FIRE & EXPLOSION PREVENTIVE MEASURES:

Store in a cool well ventilated area

5.2 SUITABLE (& UNSUITABLE) EXTINGUISHING MEDIA:

Water fog. Foam. Dry chemical powder. Carbon Dioxide.

5.3 SPECIAL PROTECTIVE EQUIPMENT & PRECAUTIONS FOR FIRE FIGHTERS:

Standard Turn Out Gear and an SCBA.

5.4 SPECIFIC HAZARDS OF CHEMICAL & HAZARDOUS COMBUSTION PRODUCTS:

During fire, gases hazardous to health may be formed.

Section 6, Accidental Release Measures

6.1 SPILL AND LEAK RESPONSE AND ENVIRONMENTAL PRECAUTIONS:

Isolate and contain spill. Avoid discharge into drains, water courses or onto the ground. Re use or place waste in a disposal container and dispose of in accordance with local / regional/ national and international regulations.

6.2 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, EMERGENCY PROCEDURES:

Standard Work PPE and a dusk mask if needed. No level of HAZMAT response required.

For personal protection, see section 8 of the SDS.

6.3 ENVIRONMENTAL PRECAUTIONS:

Avoid discharge into drains, municipal conveyances or ground contamination.

6.4 METHODS AND MATERIAL FOR CONTAINMENT & CLEAN-UP:

Sweep up material and if possible reuse. If disposal is required, dispose according to RCRA requirements.

Section 7, Handling and Storage

7.1 PRECAUTIONS FOR SAFE HANDLING:

Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:

Keep away from heat, sparks and open flame. Store in original tightly closed container. Store in a cool, dry place out of direct sunlight. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS).

Section 8, Exposure Controls / Personal Protective Equipment

8.1 EXPOSURE LIMITS: MATERIAL

COMPONENT	WEIGHT	CAS-NO.	EINECS-NO.
IRON (III) OXIDE	60-70%	1332-37-2	215-570-8
EXPOSURE LIMITS 8 HRS TWA			
		OSHA PEL (mg/m3)	ACGIH TLV (mg/m3) NIOSH REL (mg/m3)
NUISANCE PARTICULATES	15 (TOTAL DUST) 5 (RESPIRABLE DUST)	10 ---	15 (TOTAL DUST) 5 (RESPIRABLE DUST)
IRON	10	5	5

8.2 APPROPRIATE ENGINEERING CONTROLS: RESPIRATORY EXPOSURE CONTROLS

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. Use a NIOSH/MSHA approved respirator if there is a risk of exposure to vapor/mist at levels exceeding the exposure limits.

8.3 INDIVIDUAL PROTECTION MEASURES, SUCH AS PERSONAL PROTECTIVE EQUIPMENT:

EYE PROTECTION:

Safety glasses.

HAND PROTECTION:

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

APPEARANCE:	Colored liquid (color varies)
ODOR:	Mild
ODOR THRESHOLD:	Not Available
pH (Neutrality):	6-10
MELTING POINT/FREEZING POINT:	Not Available
BOILING RANGE (IBP, 50%, Dry Point):	Not Applicable
FLASH POINT (TEST METHOD):	Not Applicable
EVAPORATION RATE (n-Butyl Acetate=1):	Not Applicable
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	Not Applicable
VAPOR DENSITY (air=1):	Not Applicable
GRAVITY @ 68/68 F / 20/20 C:	
DENSITY:	Not Available
SPECIFIC GRAVITY (Water=1):	1.9
POUNDS/GALLON:	15-16
WATER SOLUBILITY:	Insoluble
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)*:	0 – 5%
NONEXEMPT VOC'S (CVOC)*:	0 – 5%
HAZARDOUS AIR POLLUTANTS (HAPS):	0
NONEXEMPT VOC PRESSURE (mm of Hg @ 20 C)	Not Applicable
VISCOSITY @ 20 C (ASTM D445):	Not Applicable

* 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:
Non-reactive.

10.3 INCOMPATIBLE MATERIALS:
Non-reactive,

10.4 HAZARDOUS DECOMPOSITION PRODUCTS:
None.

10.5 HAZARDOUS POLYMERIZATION:
Will not occur.

Section 11, Toxicological Information

11.1 ACUTE HAZARDS

11.11 EYE & SKIN CONTACT:
Direct contact with eyes or skin may cause mechanical irritation (abrasion).

11.12 INHALATION:
No Known significant effects or critical hazards

11.13 SWALLOWING:
No Known significant effects or critical hazards

1.2 SUBCHRONIC HAZARDS/CONDITIONS AGGRAVATED

CONDITIONS AGGRAVATED
NL

11.3 CHRONIC HAZARDS

11.31 NL

11.4 MAMMALIAN TOXICITY INFORMATION

Unknown

Section 12, Ecological Information

12.1 NL

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

12.3 DEGRADABILITY
Will not degrade.

12.6 ACCUMULATION
Bioaccumulation of this product has not been determined.

Section 13, Disposal Considerations

Collect and reclaim or dispose in sealed containers at licensed waste disposal site.

Section 14, Transportation Information

MARINE POLLUTANT: Not Regulated
DOT/TDG SHIP NAME: Not Regulated
DRUM LABEL: Not Regulated
IATA / ICAO: Not Regulated
IMO / IMDG: Not Regulated

Section 15, Regulatory Information

15.1 EPA REGULATION:
SARA SECTION 311/312 HAZARDS: None, No Sara Reportable

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

SARA TITLE III INGREDIENTS
Iron Oxide

15.2 STATE REGULATIONS:

POTENTIAL EXPOSURE TO SOME OR ALL OF THE CALIFORNIA PROPOSITION 65 CHEMICALS IN THIS PRODUCT HAVE BEEN DETERMINED TO BE BELOW THE NO SIGNIFICANT RISK LEVEL (NSRL).

15.3 INTERNATIONAL REGULATIONS
None

Section 16, Other Information

16.1 HAZARD RATINGS:
HEALTH (NFPA): , HEALTH (HMIS): 0, 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:

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.

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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