

MATERIAL SAFETY DATA SHEET

ChromaColor Concrete Coloring System

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: ChromaColor Concrete Colorant
PRODUCT CODES: 041099

MANUFACTURER: Superior Industries, Inc.
STREET ADDRESS: 6180 Airways Blvd.
CITY, STATE, ZIP: Chattanooga, TN 37421

INFORMATION PHONE: 423-899-0467
EMERGENCY PHONE: 800-476-2072
FAX PHONE: 423-899-0421

PREPARED BY: OH Porter

DATE REVISED: 11/09/12

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

<u>INGREDIENT</u>	<u>CAS NO.</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>OSHA STEL</u>	<u>WEIGHT %</u>
Proprietary Lithium Silicate Salt	Unknown	NONE	NONE	NONE	
WATER	7732-18-5	NONE	NONE	NONE	
PROPRIETARY POLYMER	Unknown	NONE	NONE	NONE	
Dependent on the specific color the following ingredients may be present					
Proprietary Brown pigment	Unknown	5 mg/m3	5 mg/m3	NONE	
Proprietary Red Pigment	Unknown	NONE	NONE	NONE	
Proprietary yellow Pigment	Unknown	NONE	NONE	NONE	
Proprietary Black Pigment	Unknown	3.5 mg/m3	3.5 mg/m3	NONE	
Proprietary Blue Pigment	Unknown	NONE	NONE	NONE	
Titanium dioxide	13463-67-7	10mg/m3	5mg/m3	N/A	

SECTION 2 NOTES: *denotes toxic chemical(s) subject to reporting requirements of section 313 of Title III and of 40 CFR 372.

SECTION 3: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Medium viscosity liquid in various colors with mild odor
BOILING POINT OR RANGE: ° F - 212
VAPOR DENSITY (AIR = 1): N/A
SPECIFIC GRAVITY (H2O = 1): <1.0
EVAPORATION RATE: N/A
SOLUBILITY IN WATER: Partially soluble

SECTION 3 NOTES:

SECTION 4: FIRE-FIGHTING MEASURES

FLAMMABLE LIMITS IN AIR, **UPPER:** N/A
(% by volume) **LOWER:** N/A

FLASH POINT: >212 +F

METHOD USED:

SETA FLASH

EXTINGUISHING MEDIA:

FOAM, ALCOHOL FOAM, CO2, DRY CHEMICAL, WATER FOG

SPECIAL FIRE FIGHTING PROCEDURES:

SELF CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING SHOULD BE WORN IN FIGHTING FIRES INVOLVING CHEMICALS.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

NONE KNOWN

SECTION 4 NOTES:

SECTION 5: STABILITY AND REACTIVITY

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STABILITY:
STABLE

CONDITIONS TO AVOID (STABILITY):
NONE KNOWN

INCOMPATIBILITY (MATERIAL TO AVOID):
AVOID CONTACT WITH CHEMICALS THAT ARE INCOMPATIBLE WITH WATER.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:
CARBON OXIDES AND TRACES OF INCOMPLETE CARBON COMPOUNDS, METAL OXIDES AND OTHER ORGANIC COMPOUNDS

HAZARDOUS POLYMERIZATION:
WILL NOT OCCUR

SECTION 5 NOTES:

SECTION 6: HAZARDS IDENTIFICATION

HMIS HAZARD CLASSIFICATION

HEALTH: 1 FLAMMIBILITY: 0 REACTIVITY: 0 PERSONAL PROTECTIVE EQUIPMENT: B

POTENTIAL HEALTH EFFECTS

EYES:

DIRECT CONTACT CAN IRRITATE EYES. CONTACT MAY STAIN CONTAMINATED TISSUE.

SKIN:

CONTACT WITH SKIN CAN CAUSE IRRITATION OR STAINING.

INGESTION:

CAN CAUSE IRRITATION TO THE MOUTH, THROAT OR DIGESTIVE SYSTEM IF SWALLOWED. CAN STAIN CONTAMINATED TISSUE.

INHALATION:

MIST MAY IRRITATE NOSE, THROAT, AND LUNGS DEPENDING ON CONCENTRATION AND DURATION OF EXPOSURE.

HEALTH HAZARDS (ACUTE AND CHRONIC):

CONTACT CAN CAUSE IRRITATION TO EYES OR SKIN. THIS PRODUCT IS A MILD ALKALINE SOLUTION.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

PRE-EXISTING SKIN, RESPIRATORY SYSTEM, AND CENTRAL NERVOUS SYSTEM DISORDERS MAY BE AGGRAVATED BY OVEREXPOSURE.

CARCINOGENICITY

OSHA: NO NTP: NO IARC: NO

BLACK PIGMENT, contained in colors is listed under IARC as – 2B (POSSIBLY CARCINOGENIC TO HUMANS). Explanation Of Carcinogenicity: IARC MONOGRAPHS ON EVALUATION OF CARCINOGENIC RISK OF CHEMICALS TO MAN, VOL 65, PG 149, 1996: GROUP 2B.

BLUE PIGMENT, IARC-3 (NOT CLASSIFIABLE AS TO CARCINOGENICITY TO HUMANS). ACGIH TLV-A3 (CONFIRMED ANIMAL CARCINOGEN)

SECTION 7: FIRST AID MEASURES

EYES:

IMMEDIATELY FLUSH EYES WITH WATER FOR AT LEAST 20 MINUTES AND SEEK MEDICAL ATTENTION.

SKIN:

FLUSH SKIN IMMEDIATELY WITH WATER FOR AT LEAST 15 MINUTES AND SEEK MEDICAL ATTENTION IF NECESSARY.

INGESTION:

DO NOT INDUCE VOMITING AND SEEK IMMEDIATE MEDICAL ATTENTION.

INHALATION:

REMOVE TO FRESH AIR AREA AND RECEIVE MEDICAL ATTENTION IF ILL EFFECTS PERSIST.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:

IN ALL CASES OF EXPOSURE, TREAT ACCORDING TO PERSON'S CONDITION AND SPECIFIC EFFECTS OF EXPOSURE.

SECTION 7 NOTES:

SECTION 8: RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

WEAR THE APPROPRIATE SAFETY EQUIPMENT AND PROTECTIVE CLOTHING. DYKE MATERIAL AND TAKE UP REMAINDER WITH ABSORBANT TO SALVAGE CONTAINER. CLEAN UP WITH SOAPY WATER.

SECTION 8 NOTES:

SECTION 9: WASTE DISPOSAL

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WASTE DISPOSAL METHOD:

DISPOSE OF THE MATERIAL IN A WASTE DISPOSAL SITE IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL LAWS.

SECTION 10: HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

WEAR SUITABLE PROTECTIVE CLOTHING TO AVOID CONTACT WITH MATERIAL. WEAR NEOPRENE OR RUBBER GLOVES. WEAR SPLASH GOGGLES WITH SIDE SHIELDS. STORE AWAY FROM HIGH HEAT, CONTACT WITH FLAMES AND/OR SPARKS. KEEP MATERIAL IN SEALED CONTAINERS THAT ARE PROPERLY LABELED. DO NOT ALLOW MATERIAL TO FREEZE.

OTHER PRECAUTIONS:

USE GENERAL SAFETY PRECAUTIONS WHEN USING THIS MATERIAL. WASH HANDS BEFORE USING TOILET FACILITIES. REMOVE CONTAMINATED CLOTHING PROMPTLY. USE ONLY IN A WELL VENTILATED AREA.

SECTION 10 NOTES:

SECTION 11: EXPOSURE CONTROLS/PERSONAL PROTECTION

RESPIRATORY PROTECTION:

USE A SUITABLE (NIOSH APPROVED ORGANIC VAPOR) RESPIRATOR UNLESS ADEQUATE VENTILLATION IS PROVIDED OR IF THE APPLICABL EXPOSURE LIMITS ARE EXCEEDED. AVOID THE INHALATION OF ANY MISTS THAT MAY BE GENERATED IN THE APPLICATION PROCESS IF PROPER VENTILATION IS NOT PROVIDED.

VENTILATION :

PROVIDE FOR ADEQUATE GENERAL VENTILATION.

PROTECTIVE GLOVES:

IMPERVIOUS GLOVES, NEOPRENE OR RUBBER.

EYE PROTECTION:

SPLASH PROOF GOGGLES OR SAFETY GLASSES WITH SIDE SHIELDS.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

PROVIDE NECESSARY CLOTHING AND SAFETY EQUIPMENT TO PREVENT CONTACT WITH MATERIAL.

WORK HYGIENIC PRACTICES:

TYPICAL HYGENIC PRACTICES SHOULD BE EMPLOYED TO PREVENT EXPOSURE AND CONTACT TO MATERIAL.

SECTION 11 NOTES:

SECTION 12: DISCLAIMER

DISCLAIMER: THE INFORMATION CONTAINED HEREIN IS BASED ON THE DATA AVAILABLE AND IS BELIEVED TO BE ACCURATE, HOWEVER, THE MANUFACTURER MAKES NO WARRANTY EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THIS DATA OR THE RESULTS OBTAINED FROM THE USE THEREOF. ACCORDINGLY, WE ASSUME NO RESPONSIBILITY FOR INJURY FROM THE USE OF THIS PRODUCT.

MATERIAL SAFETY DATA SHEET

ColorSeal 3200

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: ColorSeal 3200
PRODUCT CODES: 1591-415

MANUFACTURER: Superior Industries Inc.
STREET ADDRESS: 6180 Airways Blvd.
CITY, STATE, ZIP: Chattanooga, TN 37421

INFORMATION PHONE: 423-899-0467
EMERGENCY PHONE: 800-476-2072
FAX PHONE: 423-899-0421

PREPARED BY: Porter Henry

DATE REVISED: 11/09/12

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

PROPRIETARY MODIFIED PROPANOIC ACID	unknown	NONE	NONE	NONE	
Proprietary ACRYLIC COPOLYMER	unknown	NONE	NONE	NONE	
WATER	7732-18-5		NONE	NONE	NONE

All other ingredients are less than 1% of formulation. There are no carcinogens, reproductive toxins, or mutagens with a concentration greater than 0.1%

***Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.

SECTION 3: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: MILKY WHITE LIQUID WITH NEGLIGIBLE ODOR
BOILING POINT OR RANGE: N/A
VAPOR DENSITY (AIR = 1): N/A
SPECIFIC GRAVITY (H₂O = 1): 1.0
EVAPORATION RATE: N/A
SOLUBILITY IN WATER: DILUTABLE

SECTION 3 NOTES:

SECTION 4: FIRE-FIGHTING MEASURES

FLAMMABLE LIMITS IN AIR, (% by volume) **UPPER:** not available
LOWER: not available
FLASH POINT: >212F
METHOD USED:
SETA FLASH
EXTINGUISHING MEDIA:
FOAM, ALCOHOL FOAM, CO₂, DRY CHEMICAL, WATER FOG
SPECIAL FIRE FIGHTING PROCEDURES:
WEAR SELF CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR
UNUSUAL FIRE AND EXPLOSION HAZARDS:
MATERIAL CAN SPLATTER ABOVE 212 DEGREES F. COMBUSTION CAN GENERATE CARBON MONOXIDE, ACID VAPORS AND TOXIC GASES

SECTION 4 NOTES:

SECTION 5: STABILITY AND REACTIVITY

STABILITY:
STABLE
CONDITIONS TO AVOID (STABILITY):
PROTECT FROM FREEZING. PROTECT FROM ELEVATED TEMPERATURES.
INCOMPATIBILITY (MATERIAL TO AVOID):
NONE KNOWN

MATERIAL SAFETY DATA SHEET

ColorSeal 3200

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:

COMBUSTION CAN PRODUCE CARBON MONOXIDE, ACID VAPORS AND TOXIC GASES

HAZARDOUS POLYMERIZATION:

WILL NOT OCCUR

SECTION 5 NOTES:

SECTION 6: HAZARDS IDENTIFICATION

HMIS HAZARD CLASSIFICATION

HEALTH: 1 FLAMMABILITY: 1 REACTIVITY: 0 PERSONAL PROTECTIVE EQUIPMENT: G

POTENTIAL HEALTH EFFECTS

EYES:

DIRECT CONTACT OR AIRBORNE MISTS CAN CAUSE IRRITATION.

SKIN:

DIRECT CONTACT CAN CAUSE IRRITATION.

INGESTION:

MAY CAUSE MOUTH, THROAT, ESOPHAGUS AND STOMACH IRRITATION, NAUSEA, VOMITING, AND DIARRHEA.

INHALATION:

MIST MAY IRRITATE NOSE, THROAT, AND LUNGS DEPENDING ON CONCENTRATION AND DURATION OF EXPOSURE.

HEALTH HAZARDS (ACUTE AND CHRONIC):

HEATED VAPORS MAY CAUSE HEADACHE, NAUSEA, OR SIMILAR RESPONSE

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

RESPIRATORY CONDITIONS OR OTHER ALLERGIC RESPONSE.

CARCINOGENICITY

OSHA: NO NTP: NO IARC: NO

ADDITIONAL CARCINOGENICITY INFORMATION:

NO COMPONENTS OF THIS PRODUCT ARE LISTED AS CARCINOGENS.

SECTION 7: FIRST AID MEASURES

EYES:

IMMEDIATELY FLUSH EYES WITH WATER FOR 15 MINUTES AND SEEK MEDICAL ATTENTION.

SKIN:

FLUSH SKIN IMMEDIATELY WITH WATER FOR 15 MINUTES AND SEEK MEDICAL ATTENTION IF NECESSARY.

INGESTION:

DILUTE BY GIVING MILK OR WATER AND SEEK MEDICAL ATTENTION.

INHALATION:

REMOVE TO FRESH AIR AREA AND RECEIVE MEDICAL ATTENTION IF ILL EFFECTS PERSIST.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:

SECTION 7 NOTES:

SECTION 8: RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

WEAR APPROPRIATE SAFETY EQUIPMENT WHEN HANDLING MATERIAL. DYKE MATERIAL AND TAKE UP WITH ABSORBANT TO SALVAGE CONTAINER.

SECTION 8 NOTES:

SECTION 9: WASTE DISPOSAL

WASTE DISPOSAL METHOD:

DISPOSE OF THE MATERIAL IN A WASTE DISPOSAL SITE IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL LAWS.

SECTION 10: HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

WEAR SUITABLE PROTECTIVE CLOTHING TO AVOID CONTACT WITH MATERIAL. WEAR NEOPRENE OR RUBBER GLOVES. WEAR SPLASH GOGGLES WITH SIDE SHIELDS. STORE AWAY FROM HIGH HEAT, CONTACT WITH FLAMES AND/OR SPARKS. KEEP MATERIAL IN SEALED CONTAINERS THAT ARE PROPERLY LABELED. DO NOT ALLOW MATERIAL TO FREEZE.

MATERIAL SAFETY DATA SHEET

ColorSeal 3200

OTHER PRECAUTIONS:

USE GENERAL SAFETY PRECAUTIONS WHEN USING THIS MATERIAL. WASH HANDS BEFORE USING TOILET FACILITIES. REMOVE CONTAMINATED CLOTHING PROMPTLY AND WASH THEM BEFORE USE. AVOID SKIN CONTACT. AVOID BREATHING VAPORS.

SECTION 10 NOTES:

SECTION 11: EXPOSURE CONTROLS/PERSONAL PROTECTION

RESPIRATORY PROTECTION:

USE A SUITABLE (NIOSH APPROVED ORGANIC VAPOR) RESPIRATOR UNLESS ADEQUATE VENTILATION IS PROVIDED. AVOID THE INHALATION OF ANY MISTS THAT MAY BE GENERATED IN THE APPLICATION PROCESS.

VENTILATION:

PROVIDE FOR ADEQUATE VENTILATION.

PROTECTIVE GLOVES:

IMPERVIOUS GLOVES, NEOPRENE OR RUBBER.

EYE PROTECTION:

SPLASH PROOF GOGGLES OR SAFETY GLASSES WITH SIDE SHIELDS

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

CLEAN BODY COVERING CLOTHING AS WELL AS APRON FOOTWEAR OR OTHER EQUIPMENT SHOULD BE USED AS DEEMED NECESSARY TO AVOID CONTACT WITH THE MATERIAL.

WORK HYGIENIC PRACTICES:

OBSERVE GOOD GENERAL HYGIENIC PRACTICES.

SECTION 11 NOTES:

SECTION 12: DISCLAIMER

DISCLAIMER: The information Contained herein is based on the data available and is believed to be accurate, However, the manufacturer makes no warranty expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. Accordingly, we assume no responsibility for injury from the use of this product.