

SAFETY DATA SHEET



Section 1. Product and Company Identification

PRODUCT NAME: ColorPac

PRODUCT USE: Pigmented Iron Oxide Integral Colorant

EFFECTIVE DATE: October 2021

MANUFACTURER
INFORMATION:



Green Umbrella
20 Jetview Drive Rochester, NY 14624
(844) 200-7336

EMERGENCY PHONE
NUMBER:

For Hazardous Materials [or Dangerous Goods]
Incident Spill, Leak, Fire, Exposure, or Accident
Call CHEMTREC 24 Hours
1-800-424-9300 / +1 703-527-3887 CCN: 871558

Section 2. Hazard Identification

HAZCOM STANDARD STATUS: 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.

PHYSICAL STATE: Powder.

COLOR: Brown.

CLASSIFICATION OF THE
SUBSTANCE OR MIXTURE: Not classified.

SIGNAL WORD: No signal word.

HAZARD STATEMENTS: No known significant effects or critical hazards.

HAZARD NOT OTHERWISE
CLASSIFIED (HNOC)
PRECAUTIONARY STATEMENTS: None known.

PREVENTION: Not applicable.

RESPONSE: Not applicable.

Section 3. Composition/Information On Ingredients

CAS No.: 51274-00-1 EINECS No.: 257-098-5	Iron Oxide Yellow Pigment	0 - 100%
CAS No.: 1309-37-1 EINECS No.: 215-168-2	Iron Oxide Red Pigment	0 - 100%
CAS No.: 1317-61-9 EINECS No.: 215-277-5	Iron Oxide black Pigment	0 - 100%
CAS No.:72608-12-9,1317-65-3	Limestone	0 - 100%
CAS No.: 1317-60-8	Iron Oxide /Natural	0 - 100%

CHEMICAL CHARACTERIZATION:	Synthetic iron oxide $Fe_2O_3 \cdot H_2O$ (α -FeOOH), C. I. Pigment YELLOW 42 / $Fe_2O_3 \cdot nH_2O$, C. I. Pigment RED 101/ Fe_3O_4 , C. I. Pigment BLACK 11
REGISTRATION NUMBER IN REACH:	01-2119457554-33-0012 / 01-2119457614-35-0039 / 01-211945764628-0012
SUBSTANCE/MIXTURE:	Substance

Section 4. First Aid Measures

EYE CONTACT:	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
SKIN CONTACT:	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
INHALATION:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
INGESTION:	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
POTENTIAL ACUTE HEALTH EFFECTS:	
EYE CONTACT:	May cause mechanical irritation (abrasion).
INHALATION:	No known significant effects or critical hazards.

Section 4. First Aid Measures (Continued)

SKIN CONTACT:	May cause mechanical irritation (abrasion).
INGESTION:	No known significant effects or critical hazards.
OVER-EXPOSURE SIGNS/SYMPTOMS:	
EYE CONTACT / INHALATION / SKIN CONTACT:	No specific data.
INGESTION:	No specific data.
POTENTIAL CHRONIC HEALTH EFFECTS:	No known significant effects or critical hazards.
NOTES TO PHYSICIAN:	Treat symptomatically. No specific treatment.
PROTECTION OF FIRST-AIDERS:	No special measures required.

Section 5. Fire Fighting Measures

EXTINGUISHING MEDIA:	
SUITABLE EXTINGUISHING MEDIA:	Use an extinguishing agent suitable for the surrounding fire. In case of fire, use water spray (fog), foam or dry chemical.
UNSUITABLE EXTINGUISHING MEDIA:	None known.
SPECIAL HAZARDS ARISING FROM THE CHEMICAL:	No specific fire or explosion hazard.
HAZARDOUS THERMAL DECOMPOSITION PRODUCTS:	No specific data.
SPECIAL PROTECTIVE ACTIONS FOR FIRE-FIGHTERS:	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS:	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental Release Measures

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing dust. Put on appropriate personal protective equipment.
ENVIRONMENTAL PRECAUTIONS:	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:	Move containers from spill area. Approach release from upwind. Vacuum or sweep up material and place in a designated, labeled waste container. Avoid creating dusty conditions and prevent wind dispersal. Dispose of via a licensed waste disposal contractor.
REFERENCE TO OTHER SECTIONS:	See Section 1 for emergency contact information. See Section 13 for waste disposal. Prevent entry into sewers, water courses, basements or confined areas.

Section 7. Handling and Storage

HANDLING:	
PRECAUTIONS FOR SAFE HANDLING:	Avoid breathing dust. Remove contaminated clothing and protective equipment before entering eating areas. Workers should wash hands and face before eating, drinking and smoking. Put on appropriate personal protection equipment. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.
STORAGE:	
CONDITIONS FOR SAFE STORAGE:	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. Empty containers or liners may retain some product residues.

Section 8. Exposure Control/Personal Protection

OCCUPATIONAL EXPOSURE LIMITS:	No exposure limit value known.
APPROPRIATE ENGINEERING CONTROLS:	Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.
PERSONAL PROTECTION:	
HYGIENE MEASURES:	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
RESPIRATORY PROTECTION:	Dust-protection mask.
SKIN PROTECTION:	Wear suitable protective clothing and gloves. Suitable protective footwear.
EYE/FACE PROTECTION:	If contact with product is possible, wear safety glasses with side shields.
MEDICAL SURVEILLANCE:	Not available.

Section 9. Physical and Chemical Properties

Physical State	Solid (Powder)	Vapor Pressure	Not Available
Color	Brown	Density	Not Available
Odor	Odorless	Specific Gravity (Relative Density)	Not Available
Odor Threshold	Not Available	Solubility	Insoluble in the following Materials: cold water
pH	3-9	Partition coefficient: noctanol/Water	Not Available
Boiling Point	Not Available	Vapor Denisty	Not Available
Melting Point	Not Available	Viscosity	Not Available
Flash Point	Not Available	Auto-ignition Temp	Not Available
Evaporation Rate	Not Available	Decomposition Temp	Not Available
Explosion Limits	Not Available	Explosion Limits	Not Available

Section 10. Stability and Reactivity

REACTIVITY:	No specific test data related to reactivity available for this product or its ingredients.
CHEMICAL STABILITY:	This product is stable.
POSSIBILITY OF HAZARDOUS REACTIONS:	Under normal conditions of storage and use, hazardous reactions will not occur.
CONDITIONS TO AVOID:	No specific data.
INCOMPATIBLE MATERIALS:	No specific data.
HAZARDOUS DECOMPOSITION PRODUCTS:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological Information

INFORMATION ON THE LIKELY ROUTES OF EXPOSURE:	Dermal contact. Eye contact. Inhalation Ingestion.
POTENTIAL ACUTE HEALTH EFFECTS:	
EYE CONTACT:	May cause mechanical irritation (abrasion).
INHALATION:	No known significant effects or critical hazards.
SKIN CONTACT:	May cause mechanical irritation (abrasion).
INGESTION:	No known significant effects or critical hazards.
SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL & TOXICOLOGICAL CHARACTERISTICS:	
EYE CONTACT:	No specific data.
INHALATION:	No specific data.
SKIN CONTACT:	No specific data.
INGESTION:	No specific data.
POTENTIAL CHRONIC HEALTH EFFECTS:	
SHORT TERM EXPOSURE/ POTENTIAL IMMEDIATE EFFECTS:	Not available.

Section 11. Toxicological Information (Continued)

LONG TERM EXPOSURE:

POTENTIAL DELAYED EFFECTS:	Not Available
GENERAL:	No known significant effects or critical hazards.
CARCINOGENICITY:	No known significant effects or critical hazards.
MUTAGENICITY:	No known significant effects or critical hazards.
TERATOGENICITY:	No known significant effects or critical hazards.
DEVELOPMENTAL EFFECTS:	No known significant effects or critical hazards.
FERTILITY EFFECTS:	No known significant effects or critical hazards.

INFORMATION ON TOXICOLOGICAL EFFECTS:

ACUTE TOXICITY:

PRODUCT/ INGREDIENT NAME	RESULT	SPECIES	DOSE	EXPOSURE	TEST
C.I.Pigment black 11	LD50 Oral	Rat-Male,Female	>5000 mg/kg	-	-
C.I.Pigment yellow 42	LD50 Oral	Rat-Male	>10000 mg/kg	-	-
C.I.Pigment yellow 42	LC50 Inhalation Dusts and mists	Rat	>195 g/m3	6 hours	-
C.I.Pigment yellow 42			>195 g/m3	2 weeks	-
Iron(III)Oxide	LD50 Oral	-	>5000 mg/kg	-	-
Iron(III)Oxide	LC50 Inhalation Dusts and mists	-	>210 g/m3	2 weeks	-
C.I. Pigment Red 101	No specific data	-	-	-	-
Limestone	No specific data	-	-	-	-

IRRITATION/CORROSION:

PRODUCT/ INGREDIENT NAME	RESULT	SPECIES	SCORE	EXPOSURE	OBSERVATION	REVERSABILITY
C.I.Pigment black 11	Skin-Erythema/Eschar	Rabbit	0	4 hours	8days	-
	Eyes-Cornea opacity	Rabbit	0	192 hours 100 ul	8days	Fully reversible in 7 days or less
	Eyes-Iris Lesion	Rabbit	0	192 hours 100 ul	8days	-
	Eyes-Redness of the conjunctivae	Rabbit	0	192 hours 100 ul	8days	Fully reversible in 7 days or less

IRRITATION/CORROSION:

PRODUCT/ INGREDIENT NAME	RESULT	SPECIES	SCORE	EXPOSURE	OBSERVATION	REVERSABILITY
C.I.Pigment yellow 42	Eyes-Draize	Rabbit	0	50mg	7 days	-
	Skin-Erythema/Eschar	Rabbit	0	24 hours 500mg	7 days	-
PRODUCT/ INGREDIENT NAME	RESULT	SPECIES	SCORE	EXPOSURE	OBSERVATION	REVERSABILITY
Iron(III)Oxide	Eyes-Draize	Rabbit	0	192 hours 0.1 mg	8 days	Fully reversible in 7 days or less
	Skin-Erythema/Eschar	Rabbit	0	4 hours 500mg	7 days	-
C.I. Pigment Red 101	No specific data	-	-	-	-	-
Limestone	No specific data	-	-	-	-	-

CONCLUSION/SUMMARY

Skin: C.I.Pigment black 11, C.I.Pigment yellow 42, Iron (III) Oxide: Non-irritating.

Eyes: C.I.Pigment black 11, C.I.Pigment yellow 42, Iron (III) Oxide: Non-irritating.

SENSITIZATION:

PRODUCT/ INGREDIENT NAME	ROUTE OF EXPOSURE	SPECIES	RESULT
C.I.Pigment black 11	Skin	Guinea pig	Not sensitizing
C.I.Pigment yellow 42	Skin	Guinea pig	Not sensitizing
Iron(III)Oxide	Skin	Guinea pig	Ambiguous
C.I. Pigment Red 101	No specific data	-	-
Limestone	No specific data	-	-

CHRONIC TOXICITY:

PRODUCT/ INGREDIENT NAME	RESULT	SPECIES	DOSE	EXPOSURE
C.I.Pigment black 11 / C.I.Pigment yellow 42	Sub-acute NOAEC inhalation Dusts and mists	Rat-Male	>185.6 mg/m3	2 weeks:6 hours per day 5 days per week
Iron(III)Oxide	Sub-acute NOAEC inhalation Dusts and mists	Rat-Male	10.1 mg/m3	4 weeks:6 hours per day 5 days per week
C.I. Pigment Red 101	No specific data	-	-	-
Limestone	No specific data	-	-	-

MUTAGENICITY:

PRODUCT/ INGREDIENT NAME	TEST	EXPERIMENT	RESULT
C.I.Pigment black 11 / C.I.Pigment yellow 42 / Iron(III)Oxide	OECD 476 IN VITRO MAMMALIAN CELL GENE MUTATION TEST	Experiment: In vitro Subject:BACTERIA METABOLIC ACTIVATION: WITH/WITHOUT S9 MIX	Negative
	OECD 473 IN VITRO MAMMALIAN CHROMOSOMAL ABERRATION TEST	Experiment: In vitro Subject:MAMMALIAN-ANIMAL CELL:SOMATIC METABOLIC ACTIVATION: WITH/WITHOUT	Negative
		Experiment: In vitro Subject:MAMMALIAN-ANIMAL CELL:SOMATIC METABOLIC ACTIVATION: WITH/WITHOUT S9 MIX	Negative

CARCINOGENICITY:

PRODUCT/ INGREDIENT NAME	RESULT	SPECIES	DOSE	EXPOSURE
C.I.Pigment black 11 / C.I.Pigment yellow 42 / Iron(III)Oxide	Negative-Intraperitoneal-	Rat-Male,Female	600 mg/kg	914 days; 3 injection a 200 mg/kg in 8 weeks.
CAS#	IARC	NTP	OSHA	
1317-61-9 51274-00-1 1309-37-1	Not classified	Not classified	Not classified	

C.I. Pigment Red 101

**OSHA Hazardous Components (29CFR 1910.1200). This material is considered a carcinogen by IARC because it contains crystalline silica at levels greater than 0.1%. Inhalation of dust in excess of the TLV may cause mild pulmonary irritation. Long term over-exposure may cause silicosis

Limestone

No specific data

Section 12. Ecological Information

PRODUCT/ INGREDIENT NAME	TEST	RESULT	SPECIES	EXPOSURE
C.I.Pigment black 11	EU C.2 (Acute Toxicity for Daphnia)	Acute EC0>10000mg/l	Daphnia- Daphnia magna	48 hours
	OECD 209 Activated Sludge, Respiration inhibition Test	Fresh water Acute EC50>10000mg/l	Bacteria-adapted and activated sludge microorganism	3 hours
	OECD 203 Fish, Acute Toxicity Test	Fresh water Acute LC0>100000mg/l	Fish-Danio rerio	96 hours
C.I.Pigment yellow 42	ISO 8192	Acute EC50>10000mg/l	Bacteria-adapted and activated sludge microorganism	3 hours
	OECD 202 Daphnia sp.Acute Immobilization Test	Acute EC50>100mg/l	Daphnia-Daphnia magna	48 hours
	OECD 203 Fish, Acute Toxicity Test	Acute LC0>100000mg/l	Fish-Danio rerio	96 hours
Iron(III)Oxide	OECD 202 Daphnia sp.Acute Immobilization Test	Acute EC50>100mg/l	Daphnia-Daphnia magna	48 hours
		Acute EC50>10000mg/l	Micro-organismActivated Sludge	3 hours
		Acute LC0>50000mg/l	Fish-Danio rerio	96 hours
C.I. Pigment Red 101	No specific data			
Limestone	No specific data			

CONCLUSION/SUMMARY:	Not Available
PERSISTENCE AND DEGRADABILITY CONCLUSION/SUMMARY:	Not applicable.
BIOACCUMULATIVE POTENTIAL:	Not Available
MOBILITY IN SOIL WATER PARTITION:	Not Available
OTHER ADVERSE EFFECTS:	No known significant effects or critical hazards.

Section 13. Disposal Considerations

DISPOSAL METHODS:

The generation of waste should be avoided or minimized wherever possible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Waste disposal should be in accordance with existing federal state, provincial and or local environment controls laws.

RCRA CLASSIFICATION:

If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. (40 CFR 261.20-24)

Section 14. Transport Information

REGULATORY INFORMATION	UN NUMBER	PROPER SHIPPING NAME	CLASSES	PACKING GROUP	LABEL	ADDITIONAL INFORMATION
DOT CLASSIFICATION	-	-	-	-	-	Not regulated.
IMDG CLASS	-	-	-	-	-	Not regulated.
IATA-DGR CLASS	-	-	-	-	-	Not regulated.

Section 15. Regulatory Information

SARA311/312:

None

SARA TITLE III SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES:

None

SARA TITLE III SECTION 313 TOXIC CHEMICALS:

None

US EPA CERCLA HAZARDOUS SUBSTANCES (40 CFR 302):

None

STATE REGULATIONS:

The following chemicals are specifically listed by individual states: other product specific health and safety data in other sections on the SDS may also be applicable for state requirement. For details on your regulator requirements you should contact the appropriate agency in your state.

INGREDIENT NAME:

C.I.Pigment black 11 / C.I.Pigment yellow 42 / Iron(III)Oxide

Section 15. Regulatory Information (Continued)

CAS NUMBER:	1317-61-9 / 51274-00-1 / 1309-37-1
STATE CODE:	
CONCENTRATION (%):	97% max
MASSACHUSETTS SUBSTANCES:	MA-S
MASSACHUSETTS EXTRAORDINARY HAZARDOUS SUBSTANCES:	MA-Extra HS
NEW JERSEY HAZARDOUS SUBSTANCES:	NJ- HS
PENNSYLVANIA RTK HAZARDOUS SUBSTANCES:	PA- RTK HS
PENNSYLVANIA SPECIAL HAZARDOUS SUBSTANCES:	PA- Special HS
CALIFORNIA PROP.65	Potential exposure to some or all of the California Prop 65 chemicals in this product have been determined to be below the No Significant Risk Level (NSRL) To the best of our knowledge, this product does not contain any of the listed chemicals, which the state of California has found to cause cancer, birth defects or other reproductive harm.
U.S.TOXIC SUBSTANCES CONTROL ACT:	Listed on the TSCA Inventory.

Section 16. Other Information

HAZARDOUS MATERIAL INFORMATION (HMIS)		NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)	
Health	0	Health	0
Fire	0	Fire	0
Physical Hazards	0	Instability/Reactivity	0
		Special	

HEALTH	FIRE	REACTIVITY/ INSTABILITY
4 Extreme	4 Severe	4 May Detonate
3 High	3 Serious	3 Explosive
2 Moderate	2 Moderate	2 Unstable
1 Slight	1 Slight	1 Normally Stable
0 Insignificant	0 Minimal	0 Stable

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