

Safety Data Sheet

According to Regulation 29 CFR 1910.1200

Date of Issue: 10/04/2022

Version: 1.0

**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

**1.1. Product identifier**

Product Form : Mixture  
Product Name : Encaustic Paints

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

**1.2.1. Relevant identified uses**

Use of the substance/mixture : Art material - consumer product

**1.2.2. Uses advised against**

No additional information available

**1.3. Details of the supplier of the safety data sheet**

**Company**

R&F Handmade Paints, Inc.  
84 Ten Broeck Avenue  
Kingston, NY 12401  
800-206-8088  
[rfpaints.com](http://rfpaints.com)  
[darin@rfpaints.com](mailto:darin@rfpaints.com)

**1.4. Emergency telephone number**

Emergency number : 845-331-3112

**SECTION 2: Hazards identification**

**2.1. Classification of the substance or mixture**

**Classification According to Regulation 29 CFR 1910.1200**

No labelling applicable to products with pigments other than tricobalt bis(orthophosphate).  
Products containing tricobalt bis(orthophosphate) may be hazardous if swallowed (H302).

Physical Hazards: Based on available data, the classification criteria are not met.

Health Hazards: Acute oral toxicity, category 4 (H302)

Environmental Hazards: Based on available data, the classification criteria are not met.

**2.2. Label elements**

**Labelling According to Regulation 29 CFR 1910.1200**

No labelling applicable to products with pigments other than tricobalt bis(orthophosphate).

Products containing tricobalt bis(orthophosphate) may be hazardous if swallowed (H302) and require the following pictogram:



Signal Word: Warning

Hazard Statements:

H302 – (May be) harmful if swallowed

Precautionary Statements:

P301 + P330 + P331 – IF SWALLOWED: rinse mouth. DO NOT induce vomiting.

**SECTION 3: Composition/information on ingredients**

**3.1. Substances**

Not applicable

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**3.2. Mixtures**

Name	Product identifier	%	Classification
Beeswax	(CAS-No.) 8012-89-3	< 85	Not classified
Damar	(CAS-No.) 9000-16-2	< 20	Not classified
<b>Cadmium sulfoselenide orange</b> Cadmium Orange, Jaune Brillant	(CAS-No.) 12656-57-4	10-25	Not classified
<b>Cadmium sulfoselenide red</b> Cadmium Red Light, Medium, Deep; Warm Pink, Warm Rose	(CAS-No.) 58339-34-7	10-25	Not Classified
<b>Cadmium zinc sulfide yellow</b> Cadmium Lemon, Light, Medium, Deep; Naples Yellow, Jaune Brillant, Warm Pink, Olive Yellow, Celadon Green, Cadmium Green, Cadmium Green Pale, Permanent Green, Veronese Green, Courbet Green	(CAS-No.) 8048-07-5	10-25	Not Classified
<b>Spinel, cobalt tin grey</b> Cerulean Blue, Cerulean Extra Pale, Cerulean Grey, Manganese Blue Hue	(CAS-No.) 68187-05-3	15-40	Not Classified
<b>Cobalt aluminate blue spinel</b> Cobalt Blue, Kings Blue, Cobalt Turquoise, Blue Ochre, Cobalt Teal	(CAS-No.) 1345-16-0	15-40	Not Classified
<b>Tricobalt bis(orthophosphate)</b> Cobalt Violet Deep	(CAS-No.) 13455-36-2	15-40	Acute Tox 4; H302
<b>Disazo (diarylide)</b> Indian Yellow, Alizarin Orange, Turkey Red, Sap Green	(CAS-No.) 5567-15-7	3-7	Not classified
<b>Chromium (III) oxide, hydrated</b> Viridian, Cadmium Green, Cadmium Green Pale, Green Earth, Cobalt Turquoise	(CAS-No.) 12001-99-9	10-25	Not classified
<b>Chromium (III) oxide</b> Chromium Oxide Green, Celadon Green	(CAS-No.) 1308-38-9	10-25	Not classified

**SECTION 4: First aid measures****4.1. Description of first aid measures**

First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: When symptoms occur: go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists.
First-aid measures after skin contact	: Remove contaminated clothing. Drench affected area with water for at least 5 minutes. Obtain medical attention if irritation develops or persists.
First-aid measures after eye contact	: Rinse cautiously with water for at least 5 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if irritation develops or persists.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Obtain medical attention.

**4.2. Most important symptoms and effects, both acute and delayed**

Symptoms/effects	: Not expected to present a significant hazard under anticipated conditions of normal use.
Symptoms/effects after inhalation	: Prolonged exposure may cause irritation.
Symptoms/effects after skin contact	: Prolonged exposure may cause skin irritation.
Symptoms/effects after eye contact	: May cause slight irritation to eyes.
Symptoms/effects after ingestion	: Ingestion may cause adverse effects.
Chronic symptoms	: None expected under normal conditions of use.

**4.3. Indication of any immediate medical attention and special treatment needed**

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

- Suitable extinguishing media : Water spray, fog, carbon dioxide (CO<sub>2</sub>), alcohol-resistant foam, or dry chemical.  
 Unsuitable extinguishing media : Do not use a heavy water stream. Use of heavy stream of water may spread fire.

### 5.2. Special hazards arising from the substance or mixture

- Fire hazard : Not considered flammable but may burn at high temperatures.  
 Explosion hazard : Product is not explosive.  
 Reactivity : Hazardous reactions will not occur under normal conditions.  
 Hazardous decomposition products in case of fire : Carbon oxides (CO, CO<sub>2</sub>); nitrogen oxides (NO<sub>x</sub>); sulphur oxides; metal oxides; smoke.

### 5.3. Advice for firefighters

- Precautionary measures fire : Exercise caution when fighting any chemical fire.  
 Firefighting instructions : Use water spray or fog for cooling exposed containers.  
 Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Avoid prolonged contact with eyes, skin and clothing. Avoid breathing dust.

#### 6.1.1. For non-emergency personnel

- Protective equipment : Use appropriate personal protective equipment (PPE).  
 Emergency procedures : Evacuate unnecessary personnel.

#### 6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.  
 Emergency procedures : Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit. Ventilate area.

### 6.2. Environmental precautions

- Prevent entry to sewers and public waters.

### 6.3. Methods and material for containment and cleaning up

- For containment : Contain solid spills with appropriate barriers and prevent migration and entry into sewers or streams.  
 Methods for cleaning up : Clean up spills immediately and dispose of waste safely. Recover the product by vacuuming, shoveling or sweeping. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

### 6.4. Reference to other sections

- See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Avoid prolonged contact with eyes, skin and clothing. Avoid breathing dust. Do not overheat.  
 Hygiene measures : Handle in accordance with good industrial hygiene and safety procedures.

### 7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Comply with applicable regulations.  
 Storage conditions : Keep container closed when not in use. Store in a dry, cool place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.  
 Incompatible materials : Strong acids, strong bases, strong oxidizers.

### 7.3. Specific end use(s)

- Art material - consumer product

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Compound	OSHA PEL (TWA)	Limit Value (STEL)	Notes
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EN (English)

3/6

Item Numbers: 01100-1001, 01100-1005, 01100-1030, 01100-1040, 01100-1110, 01100-2002

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Cobalt aluminate blue spinel (as Co) Spinels, cobalt tin grey (as Co) Tricobalt bis(orthophosphate)	0.1 mg/m <sup>3</sup>	--	CalOSHA – 0.02 mg/m <sup>3</sup>
Cadmium sulfoselenide orange (as Cd) Cadmium sulfoselenide red (as Cd) Cadmium zinc sulfide yellow (as Cd)	0.2 mg/m <sup>3</sup>	0.6 mg/m <sup>3</sup>	CalOSHA – 0.005 mg/m <sup>3</sup>
Chromium (III) oxide (as Cr)	0.5 mg/m <sup>3</sup>	--	CalOSHA – 0.5 mg/m <sup>3</sup>

**8.2. Exposure controls**

- Appropriate engineering controls : Suitable eye/body wash equipment should be available in the vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.
- Personal protective equipment : Not generally required. The use of personal protective equipment may be necessary as conditions warrant. Gloves. Protective clothing. Protective goggles.



- Materials for protective clothing : Chemically resistant materials and fabrics.
- Hand protection : Wear protective gloves.
- Eye and Face Protection : Chemical safety goggles.
- Skin and body protection : Wear suitable protective clothing.
- Respiratory protection : Ensure adequate ventilation.
- Other information : When using, do not eat, drink or smoke.

**SECTION 9: Physical and chemical properties**

**9.1. Information on basic physical and chemical properties**

- Physical state : Solid
- Appearance : Wax-like solid, various colors
- Color : No data available
- Odor : No data available
- Odor threshold : No data available
- pH : No data available
- Evaporation rate : No data available
- Melting point : No data available
- Freezing point : No data available
- Boiling point : No data available
- Flash point : > 204 °C (399.2 °F)
- Auto-ignition temperature : No data available
- Decomposition temperature : No data available
- Flammability (solid, gas) : No data available
- Vapor pressure : No data available
- Relative vapor density at 20 °C : No data available
- Relative density : No data available
- Solubility : No data available
- Partition coefficient: n-octanol/water : No data available
- Viscosity : No data available
- Explosive properties : No data available
- Oxidising properties : No data available
- Explosive limits : No data available

**9.2. Other information**

No additional information available

**SECTION 10: Stability and reactivity**

**10.1. Reactivity**

Hazardous reactions will not occur under normal conditions.

**10.2. Chemical stability**

Stable under recommended handling and storage conditions (see section 7).

**10.3. Possibility of hazardous reactions**

Hazardous polymerization will not occur.

**10.4. Conditions to avoid**

Direct sunlight, extremely high or low temperatures, and incompatible materials.

**10.5. Incompatible materials**

Strong acids, strong bases, strong oxidizers.

**10.6. Hazardous decomposition products**

Thermal decomposition may produce: Carbon oxides (CO, CO<sub>2</sub>).

**SECTION 11: Toxicological information**

**11.1. Information on toxicological effects**

- Acute toxicity : Products containing tricobalt bis(orthophosphate) may be hazardous if swallowed.
- Skin corrosion/irritation : Not classified (Based on available data, the classification criteria are not met)
- Serious eye damage/irritation : Not classified (Based on available data, the classification criteria are not met)
- Respiratory or skin sensitisation : Not classified (Based on available data, the classification criteria are not met)
- Germ cell mutagenicity : Not classified (Based on available data, the classification criteria are not met)
- Carcinogenicity : Not classified (Based on available data, the classification criteria are not met)
- Reproductive toxicity : Not classified (Based on available data, the classification criteria are not met)
- STOT-single exposure : Not classified (Based on available data, the classification criteria are not met)
- STOT-repeated exposure : Not classified (Based on available data, the classification criteria are not met)
- Aspiration hazard : Not classified (Based on available data, the classification criteria are not met)
- Symptoms/Injuries After Inhalation : Prolonged exposure may cause irritation.
- Symptoms/Injuries After Skin Contact : Prolonged exposure may cause skin irritation.
- Symptoms/Injuries After Eye Contact : May cause slight irritation to eyes.
- Symptoms/Injuries After Ingestion : Ingestion may cause adverse effects.
- Chronic Symptoms : None expected under normal conditions of use.

**SECTION 12: Ecological information**

**12.1. Toxicity**

Ecology - general : Not classified.

**12.2. Persistence and degradability**

<b>Encaustic Paints</b>	
Persistence and degradability	Not established.

**12.3. Bioaccumulative potential**

<b>Encaustic Paints</b>	
Bioaccumulative potential	Not established.

**12.4. Mobility in soil**

No additional information available

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

- Product/Packaging disposal recommendations : Dispose of contents/container in accordance with local, regional, national, and international regulations.
- Ecology - waste materials : Avoid release to the environment.

**SECTION 14: Transport information**

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored, and can vary based on a number of variables that may or may not have been known at the time the SDS was issued. In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
<b>14.1. UN number</b>				
Not regulated for transport				

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ADR	IMDG	IATA	ADN	RID
<b>14.2. UN proper shipping name</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.3. Transport hazard class(es)</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.4. Packing group</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.5. Environmental hazards</b>				
Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No	Dangerous for the environment: No	Dangerous for the environment: No	Dangerous for the environment: No

**14.6. Special precautions for user**

No additional information available

**14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code**

Not applicable

**SECTION 15: Regulatory information**

**Regulatory Overview** The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

**Toxic Substance Control Act ( TSCA)** All components of this material are either listed or exempt from listing on the TSCA Inventory.

**EPCRA 302 Extremely Hazardous:**

To the best of our knowledge, there are no chemicals at levels that require reporting under this statute.

**EPCRA 313 Toxic Chemicals:**

To the best of our knowledge, there are no chemicals at levels that require reporting under this statute.

**California Proposition 65**

Cadmium – MADL, 4.1 µg/day. NSRL, 0.05 µg/day (inhalation)

**SECTION 16: Other information**

Date of Preparation or Latest Revision : 10/04/2022

Data sources : Information and data obtained and used in the authoring of this safety data sheet could come from database subscriptions, official government regulatory body websites, product/ingredient manufacturer or supplier-specific information, and/or resources that include substance-specific data and classifications according to GHS or their subsequent adoption of GHS.

Other information : According to 29 CFR 1910.1200

**Indication of Changes** No additional information available

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety, and environmental requirements only. It should not, therefore, be construed as guaranteeing any specific property of the product.*