

MSDS for #03503 - RF ENCAUSTIC GESSO

**Encaustic Gesso**

Safety Data Sheet

According to Regulation 29 CFR 1910.120

Date of Issue: September 28, 2022

Version: 1.0

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identity**

Product Form : Mixture  
 Product Name : Encaustic Gesso

**1.2. Relevant identified uses of the substance or mixture and uses advised against****1.2.1. Relevant identified uses**

Intended Use : Art material - consumer product

**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 : 800-206-8088

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture**

Classification According to 29 CFR 1910.1200

Not classified

**2.2. Label elements**

Labelling According to 29 CFR 1910.1200



Signal Word:

Warning

Hazard Statements:

Skin Irritant (H315)

Eye Irritant (H319)

Precautionary Statements:

P264 – wash hands thoroughly after handling

P280 – wear protective gloves and eye protection

P305+P351+P338+P337+P313 - IF IN EYES: rinse cautiously with water for several minutes, remove contact lenses if present and easy to do so. If eye irritation persists, get medical attention.

**2.3. Other hazards**

Other hazards which do not result in classification

: Titanium dioxide is bound in the liquid matrix of the product, and not expected to be available for exposure under normal conditions of use or foreseeable emergencies. If dried and respirable dust is created: repeated or prolonged exposure to titanium dioxide dust via inhalation is suspected of causing cancer of the respiratory tract. Exposure may aggravate pre-existing eye, skin, or respiratory conditions.

: **Inhalation of dust may occur if sanding dried gesso – wear a NIOSH P100 dust respirator or other suitable respirator approved by a government agency.**

**SECTION 3: Composition/information on ingredients****3.1. Substances**

Not applicable

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**3.2. Mixtures**

Name	Product identifier	%	Classification According to 29 CFR 1910.1200
Water	(CAS-No.) 7732-18-5	30-40	Not classified
Nepheline syenite	(CAS-No.) 37244-96-5	30-35	Not classified
Titanium dioxide	(CAS-No.) 13463-67-7	10-15	Not classified
1,2-Propanediol	(CAS-No.) 57-55-6	3-7	Not classified
2-Amino-2-methyl-1-propanol	(CAS-No.) 124-68-5	0.5-2	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412
Aluminum oxide (Al <sub>2</sub> O <sub>3</sub> )	(CAS-No.) 1344-28-1	0.1-1	Not classified
Distillates, petroleum, hydrotreated heavy naphthenic	(CAS-No.) 64742-52-5	0.1-1	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>). 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 (vapor, mist, spray).

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**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 any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
- Methods for cleaning up : Clean up spills immediately and dispose of waste safely. 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 vapors, mist, spray.
- 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**

<b>Titanium dioxide (13463-67-7)</b>		
USA ACGIH	ACGIH OEL TWA	10 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 : 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 : **Inhalation of dust may occur if sanding dried gesso – wear a NIOSH P100 dust respirator or other suitable respirator approved by a government agency.** If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.
- Other information : When using, do not eat, drink or smoke.

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## SECTION 9: Physical and chemical properties

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

Physical state	: Liquid
Appearance	: White
Color	: No data available
Odor	: No data available
Odor threshold	: No data available
pH	: 8.7 – 9.0
Evaporation rate	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
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
Oxidizing 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

None expected under normal conditions of use.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity	:	Not classified (Based on available data, the classification criteria are not met)
Skin corrosion/irritation	:	Not classified (Based on fragrance supplier data, the classification criteria are not met.) pH: 8.7 – 9.0
Serious eye damage/irritation	:	Not classified (Based on available data, the classification criteria are not met) pH: 8.7 – 9.0
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)

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**Carcinogenicity** : Not classified (Titanium dioxide is bound in the liquid matrix of the product, and not expected to be available for exposure under normal conditions of use or foreseeable emergencies. If dried and respirable dust is created: repeated or prolonged exposure to titanium dioxide dust via inhalation is suspected of causing cancer of the respiratory tract.)

**SECTION 12: Ecological information**

**12.1. Toxicity**

Ecology - general : Not classified.

**2-Amino-2-methyl-1-propanol (124-68-5)**

LC50 - Fish [1] : 190 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])

EC50 - Crustacea [1] : 193 mg/l (Exposure time: 48 h - Species: Daphnia magna)

**12.4. Mobility in soil**

No additional information available

**12.5. Results of PBT and vPvB assessment**

No additional information available

**12.6. Other adverse effects**

Other information : Avoid release to the environment.

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

Product/Packaging disposal : Dispose of contents/container in accordance with local, regional, national, and international regulations.

Additional information : Container may remain hazardous when empty. Continue to observe all precautions.

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				
<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

**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.

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**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**

To the best of our knowledge, there are no chemicals at levels or in a form that requires a warning under this statute.

**SECTION 16: Other information**

Date of Preparation or Latest Revision : September 28, 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.

*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.*