

## **MATERIAL SAFETY DATA SHEET**

ACRYLIC RESIN POWDER – INTERIOR / EXTERIOR ADHESION ADDITIVE OR  
FINISHING BINDER

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

#### **1.1. Product Identifier**

Code: POWDERED RESIN  
Product Name: ACRYLIC RESIN POWDER

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

Use of the Substance/Preparation: Binder or Adhesion additive | Paints, Coatings, Pigments, Walls and Ceilings.

#### **1.3. Details of the Supplier of the Safety Data Sheet**

Company: COLOR RARE LTD (Canada) | COLOR-RARE L.L.C. (USA)  
Tel/Fax:  
Internet: [www.colorare.ca](http://www.colorare.ca) | [www.colorare.us](http://www.colorare.us)  
Emergency No.:

Canada Contact your local Provincial Poison Centre or 911

<http://www.capcc.ca/>

Ontario: 1-800-268-9017

Quebec: 1-800-463-5060

USA American Association of Poison Control Centers 1-800-222-1222

<http://www.aapcc.org/>

### **SECTION 2: Hazards Identification**

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

The product is not classified as hazardous pursuant to the provisions set forth in Directives 67/548/EEC and 1999/45/EC and/or EC Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). However, since the product contains hazardous substances in concentrations such as to be declared in section no. 3, it requires a safety data sheet with appropriate information, compliant to EC Regulation 1907/2006 and subsequent amendments.

##### **2.1.1. Regulation 1272/2008 (CLP) and following amendments and adjustments.**

Hazard classification and indication: Irritant

Made in Italy

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Imported and distributed in USA by COLOR-RARE L.L.C and in Canada by COLOR-RARE LTD

Serious eye damage, category 1	H318	Causes serious eye damage.
Skin irritation, category 2	H315	Causes skin irritation.

## 2.1.2. Directive 67/548/EEC and following amendments and adjustments.

Danger Symbols: Xi



R phrases: NA

The full wording of the Risk (R) and hazard (H) phrases is given in section 16 of the sheet.

## 2.2. Label elements.

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.



Pictograms:

Signal words: NA

Hazard statements: Irritant

<b>H315</b>	Causes skin irritation.
<b>H335</b>	May irritate the airways

Precautionary statements: It is still recommended to keep out of reach of children and pets. Do not swallow. Product is an irritant. It is advisable to avoid prolonged contact with the skin. If the product comes in contact with the eyes, rinse eyes immediately with clean water. If irritations persist, see a doctor.

<b>P264</b>	Wash thoroughly after handling.
<b>P280</b>	Wear protective gloves / eye protection / face protection.
<b>P302+P352</b>	IF ON SKIN: wash with plenty of water
<b>P305+P351+P338</b>	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
<b>P301+P310</b>	IF SWALLOWED: Immediately call a POISON CENTER / doctor
<b>P304+P340</b>	IF INHALED: Transport person outside and hold them in a position where they can breathe comfortably.
<b>P403+P233</b>	Store in a well-ventilated area. Keep the container closed tightly.

**Contains:** vinyl and ethylene acetate with protective charge and colloid

## 2.3. Other hazards.

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

Danger or dust inhalation.

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## SECTION 3: Composition/Information on Ingredients

Composition/ Ingredients: vinyl and ethylene acetate with protective charge and colloid

CAS No: Not available

EC No: Not available

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## SECTION 4: First-Aid Measures

General information: It is not recommended to inhale this product or put into eyes or mouth.

**EYES:** Immediately rinse eyes with plenty of water for at least 15 minutes, occasionally lifting upper and lower lids, until no evidence of product remains. Get medical attention if pain or irritation persist.

**SKIN:** Remove and wash contaminated clothing. Rinse affected area with large amounts of water and soap until no evidence of product remains. Get medical attention if irritation persists.

**INGESTION:** Treat symptomatically and supportively. Maintain airway and respiration. If vomiting occurs, keep head below hips to prevent aspiration. Dilution by rinsing the mouth and giving water or milk to drink is generally recommended. If unconscious, the victim should not be given anything to drink. Contact physician or local poison control center.

**INHALATION:** Immediately remove from exposure area to fresh air. Keep affected person warm and at rest. Treat symptomatically and supportively. Contact physician or local poison control center. If breathing has stopped, give artificial respiration, and get medical attention immediately.

**NOTE TO PHYSICIAN:** The physician's judgment should be used to control symptoms and clinical condition based on the individual reactions of the patient.

Due to physical properties, mechanical irritations may occur. The product can cause the formation of lumps in the gastro-intestinal tract. Depending on the severity of the symptoms it will be necessary to resort to invasive measures. Further information on toxicology in paragraph 11 should be noted.

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## SECTION 5: Fire-Fighting Measures

### 5.1. Extinguishing media

Non-flammable product. Use extinguishing equipment for surrounding fire.

SUITABLE EXTINGUISHING EQUIPMENT

Sprayed water jet, sprayed water, extinguishing powder, foam, carbon dioxide.

## UNSUITABLE EXTINGUISHING EQUIPMENT

Do not use water jets. The water is not effective for extinguishing the fire however it can be used to cool the closed containers exposed to the flame preventing explosions and explosions.

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

Do not inhale fumes. In case of oxygen scarcity: acetic acid.

### 5.3. Advice for firefighters.

## GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

## SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

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## SECTION 6: Accidental Release Measures

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

Control and stop the spill of product if there is no danger. Avoid the formation of dust. Do not inhale dust.

Wear appropriate protective equipment (including personal protective equipment referred to in Section 8 of the safety data sheet) to prevent contamination of the skin, eyes and personal clothing. These instructions are valid for both workers and emergency workers.

Use protective breathing equipment if dust, fumes or powders are released into the air.

### 6.2. Environmental precautions

Prevent the product from getting into sewers, surface water, groundwater.

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

Vacuum/ mechanically clean up the spilled product into a suitable container. Absorb the remainder with inert absorbent material. Provide sufficient ventilation. The contaminated material shall be disposed of in accordance with the provisions of section 13.

### 6.4. Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.

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## SECTION 7: Handling and Storage

### 7.1. Precautions for safe handling

Keep away from heat, sparks and open flames; take precautions against electrostatic charges, do not smoke or use matches or lighters near product. Provide adequate ventilation. Avoid dust formation and inhalation of dust.

Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment.

Hygienic measures: Wash hands at the end of work.

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

Storage conditions: Store in a cool, ventilated and dry place in well sealed packages. Keep away from sources of heat, open flames, sparks and other sources of ignition.

Requirements for storage areas and containers: Keep the product in clearly labelled containers. Keep containers away from any incompatible materials, see section 10 for details.

## 7.3. Specific end use(s).

Information not available.

## SECTION 8: Exposure Controls/Personal Protection

### 8.1. Control parameters

#### Limit values for air quality at the workplace:

Cas No.	Product	Type	mg/m <sup>3</sup>	Ppm	E/A	fiber/m <sup>3</sup>
	Dust limit value, General	TLV_IT	10,0		Dust Breathable	
	Dust limit value, General	TLV_IT	3,0		Alveoli powder Permeable	
1317-65-3	Calciumcarbonat	TLV_IT	10,0			
1332-58-7	Kaolin	TLV_IT	2,0		Alveoli- permeable powder	

### 8.2. Exposure controls

General protective measures: Do not inhale dust. Do not eat, drink, or smoke while working. Wash hands before breaks and at the end of work.

Ensure that the workplace is adequately ventilated. When choosing personal protective equipment, it must be CE approved, to indicate compliance with applicable standards.

#### HAND PROTECTION

Protect hands with category III work gloves (see standard EN 374).

The following should be considered when choosing work glove material: compatibility, degradation, failure time and permeability. The work gloves' resistance to chemical agents should be checked before use. The gloves' wear time depends on the duration and type of use.

#### SKIN PROTECTION

Wear work clothes with long sleeves and safety footwear for professional use category I (ref. Directive 89/686/EEC and EN ISO 20344). Wash with soap and water after removing protective clothing.

## EYE PROTECTION

It is recommended to wear airtight protective glasses (ref. standard EN 166).

## RESPIRATORY PROTECTION

If the threshold value (e.g. TLV-TWA) of the substance or one or more of the substances in the product is exceeded, it is recommended to wear a type B filter mask whose class (1, 2 or 3) should be chosen in relation to the limit concentration of use. (ref. standard EN 14387). Where gases or vapours of a different nature are present and/or gases or vapours with particles (aerosols, fumes, mists, etc.) combined filters should be provided. The use of means of respiratory protection is necessary if the technical measures taken are not sufficient to limit the worker's exposure to the threshold values taken into account. However, the protection offered by masks is limited.

In the event that the substance in question is odorless or its olfactory threshold is higher than its TLV-TWA and in the event of an emergency, wear an open-circuit compressed air respirator (ref. EN 137) or an external air intake respirator (ref. EN 138 standard). For the correct choice of respiratory protection device, refer to EN 529.

## ENVIRONMENTAL EXPOSURE CONTROLS

Emissions from production processes, including those from ventilation equipment, should be controlled in order to comply with environmental protection legislation.

## SECTION 9: Physical and Chemical Properties

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

Appearance:	powder
Colour:	white
Odour:	slight
Odour threshold:	Not available.
pH:	7.5-9
Melting or freezing point:	ca. 8 at 20 °C (500 g/1 H <sub>2</sub> O).
Boiling point:	Not available.
Distillation range:	Not available.
Flash point:	Not available.
Evaporation Rate:	Not available.
Flammability of solids and gases:	5 to 100 °C.
Lower inflammability limit:	Not available.
Upper inflammability limit:	Not available.
Lower explosive limit:	Not available.
Upper explosive limit:	Not available.
Vapour pressure:	Not available.
Vapour density:	Not available.
Apparent density:	405 - 555 kg/m <sup>3</sup> (DIN EN ISO 60)
Specific gravity:	Not available
Solubility:	partially soluble in water at 20 °C
Partition coefficient: n-octanol/water:	Not available.

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Self-ignition temperature:	> 500 °C
Ignition temperature:	200 °C test volume 400 cm <sup>3</sup> .
Decomposition temperature:	Not available.
Viscosity:	Not available.
Reactive Properties:	Not available.
VOC:	0.0 gms/litre.

## SECTION 10: Stability and Reactivity

### 10.1. Reactivity

There are no reaction risks with other substances under normal conditions of use and storage but see section 10.5.

Maximum explosion pressure	: 6.7 bar
Ignition temperature	: 460 °C
Minimum ignition energy	: 300 - 1000 mJ without inductor
Molecular mass	: not applicable

### 10.2. Chemical stability

The product is stable in normal conditions of use and storage.

### 10.3. Possibility of hazardous reactions

No hazardous reactions are foreseeable in normal conditions of use and storage.

### 10.4. Conditions to avoid

None, however, the usual precautions used for chemical products should be followed.

### 10.5. Incompatible materials.

None, however, the usual precautions used for chemical products should be followed.

### 10.6. Hazardous decomposition products.

Information not available.

## SECTION 11: Toxicological Information

### 11.1. Information on toxicological effects

There are no known cases of damage to personal health from exposure to the product. However, it is recommended to comply with industrial hygiene recommendations when using the product. For people with known sensitivities, this product may have health effects from inhalation and / or absorption from the skin and / or contact with eyes and / or ingestion.

Route of exposure	Result/Effect	Species/ test system	Source
Oral	LD50: > 2000 mg/kg	Rat	Conclusion by OECD 423 analogy
Result/Effect	Species/ test system	Source	
non-irritating	Rabbit	Conclusion by OECD 404 analogy	

**Serious eye injuries/eye irritation Evaluation:** Clinically relevant eye irritation is not expected against the available data.

Result/Effect	Species/ test system	Source
non-irritating	Rabbit	Conclusion by OECD 405 analogy

**Sensitization of the respiratory tract or skin**

Route of exposure	Result/Effect	Species/ test system	Source
Epidermal	non-sensitizing	Mouse; Llna (local lymph node assay)	Conclusion by OECD 429 analogy

**SECTION 12: Ecological Information**

No harmful effects are expected on organisms in water. Presently, no adverse effects are expected. Use this product according to good working practices. Avoid putting this product into the sewer system. Inform your local governing authorities, should the product reach waterways or sewers.

**12.1. Toxicity.**

Result/Effect	Species/ test system	Source
CL50: > 100 mg/l	rainbow trout ( <i>Oncorhynchus mykiss</i> ) (96 h)	Conclusion by OECD analogy



		203
EC50: > 100 mg/l	Daphnia magna (48 h)	Conclusion by OECD 202 analogy
EC10: > 1000 mg/l	sewage sludge (0.5 h)	Conclusion by analogy

**12.2. Persistence and degradability.**

Polymeric component: Hardly biodegradable. Elimination by absorption on active mud. Separation can occur by flocculation sedimentation.

**12.3. Bio accumulative potential.**

Information not available. No negative effects known.

**12.4. Mobility in soil.**

Information not available. No negative effects known.

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

Information not available. No negative effects known.

**12.6. Other adverse effects.**

Information not available. No negative effects known.

**SECTION 13: Disposal Considerations****13.1. Waste treatment methods.**

Reuse, when possible. Product should be considered special hazardous waste. The hazard level of waste contained in this product should be evaluated according to applicable regulations.

Disposal must be performed through an authorized waste management firm, in compliance with national and local regulations.

**CONTAMINATED PACKAGING**

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

**SECTION 14: Transport Information**

NO RESTRICTIONS. This material is not considered as dangerous according to the current provisions on road transport of dangerous goods.

**14.1. UN number**

Not applicable

#### **14.2. UN proper shipping name**

Not applicable

#### **14.3. Transport hazard class(es)**

Not applicable

#### **14.4. Packing group**

Not applicable

#### **14.5. Environmental hazards**

Not applicable

#### **14.6. Special precautions for user**

Not applicable

#### **14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Information not relevant

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## **SECTION 15: Regulatory Information**

This product is not a dangerous substance according to EEC regulations.

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## **SECTION 16: Other Information**

The product is a natural constituent.

The information contained in this document is based on our own knowledge on the date of the current version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The correct and safe use of this product is the responsibility of the user; therefore, users must, comply with the current health and safety laws and regulations. Colorare is not liable for improper use of the product.

### **GENERAL BIBLIOGRAPHY**

1. Directive 1999/45/EC and following amendments
2. Directive 67/548/EEC and following amendments and adjustments
3. Regulation (EC) 1907/2006 (REACH) of the European Parliament
4. Regulation (EC) 1272/2008 (CLP) of the European Parliament
5. Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliament
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10. INRS - Fiche Toxicologique (toxicological sheet)
11. Patty - Industrial Hygiene and Toxicology
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