

1. IDENTIFICATION

Commercial Name: Bronze Resin Art Mica Powder
Other Names:
Product Use: Epoxy Resin, Paint, Coating, Ink, Plastic, Print, etc
Contact Information:

Organisation	Location	Telephone	Ask For
Adelaide Moulding and Candle Supplies	7 Woodlands Terrace Edwardstown South Australia 5039	08 8294 0451	SDS Officer
Poisons Information Centre		13 11 26	

2. HAZARD IDENTIFICATION

Hazard Description: Not Applicable

Information concerning hazards for human and environment: The product is not classified as dangerous according to Directive 67/548/EEC, 1999/45/EC and particular Regulation (EC) No. 1272/2008 Classification system:
 The classification is according to the latest edition of the Directive 67/548/EEC, 1999/45/EC and Regulation (EC) No. 1272/2008, and extended by company and literature data.

Label elements: GHS label elements: Void

Other hazards: None

Primary routes of exposure: Routes of entry for solids and liquids include eye and skin contact, ingestion, and inhalation. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

Irritation / corrosion: Inhalation of dust may cause respiratory tract irritation, coughing and breathing difficulties. Contact with the eyes or skin may cause mechanical irritation.

Aquatic toxicity: At the present state of knowledge, no negative ecological effects are expected. The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations. The product has not been tested. The statement has been derived from the properties of the individual components.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Name	INCI Name	CAS No.	EC No.	CI No.	Weight
Natural Mica	MICA	12001-26-2	N/A	77019	72.0-75.0%
Titanium dioxide	CI 77891	13463-67-7	236-675-5	77891	25.0-28.0%

4. FIRST AID MEASURES

Description of first aid measures

General advice: Remove contaminated clothing.

Inhalation: IF INHALED: Move person to fresh air. Consult doctor in event of any complaints. If difficulties occur after dust has been inhaled, remove to fresh air, and seek medical attention.

Skin: IF ON SKIN: Wash with soap and water. If irritation persists, seek medical attention. Wash thoroughly with soap and water. If irritation develops, seek medical attention.

Eye:	IF IN EYES: Immediately flush eyes with water for at least 15 minutes. If discomfort persists, seek medical attention. Wash affected eyes for at least 15 minutes under running water with eyelids held open. If irritation develops, seek medical attention.
Swallowed:	IF SWALLOWED: If large quantities are ingested, seek medical advice. Not a hazard under normal use conditions. Rinse mouth and then drink plenty of water. Do not induce vomiting. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions. Seek medical attention if necessary.
Information for doctor:	The following symptoms may occur: Not available
Hazards:	Not available
Treatment:	Not available
Most important symptoms and effects, both acute and delayed:	Not available
Indication of any immediate medical attention and special treatment needed:	Not available

5. FIRE FIGHTING MEASURES

Extinguishing Media:	Not available
Suitable extinguishing agents:	CO ₂ , powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
Special hazards arising from the substance or mixture:	Protective equipment: No special measures required.
Advice for firefighters:	Not Available.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:	Wear appropriate respiratory protection. Use personal protective clothing. Ensure adequate ventilation.
Environmental precautions:	Do not allow to enter sewers/surface or ground water
Methods and material for containment and cleaning up:	For small amounts: Pick up with suitable appliance and dispose of. For large amounts: Pick up with suitable appliance and dispose of. Spills should be contained and placed in suitable containers for disposal.
Reference to other sections:	Not available.

7. HANDLING AND STORAGE

General Advice:	Breathing must be protected when large quantities are decanted without local exhaust ventilation. Avoid contact with the skin, eyes and clothing. Keep in a cool place. Keep container dry.
Handling:	Avoid dust formation. Closed containers should only be opened in well-ventilated areas.
Information about fire-and explosion protection:	No special measures required.
Storage:	No special requirements.

Information about storage in one common storage facility:	Not required.
Further information about storage conditions:	None.
Incompatibilities:	Not Available
Specific end use(s):	Not Available

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal protective equipment: Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator. Observe OSHA regulations for respirator use (29 CFR 1910.134).

Eye/face protection: Safety glasses with side-shields.

Protection of hands:



The glove material has to be impermeable and resistant to the product/the substance/the preparation. Due to missing tests no recommendation to the glove material can be given for the product/the preparation/the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Material of gloves: The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material: The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

General safety and hygiene measures: Handle in accordance with good industrial hygiene and safety practice. Due to the colouring properties of the product closed work clothes should be used, to avoid stains during manipulation. Hands and/or face should be washed before breaks and at the end of the shift. Wash soiled clothing immediately.

Primary irritant effect:
 On the skin: No irritant effect
 On the eye: No irritating effect
 Sensitization: No sensitizing effects known

Additional toxicological information: The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version. When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

Toxic kinetics, metabolism and distribution: Not available

Acute effects (acute toxicity, irritation and corrosivity): Quantitative data on the toxicity of this product is not available. Product does not contain any deleterious matter. Repeated dose toxicity: Prolonged or repeated exposure to dust may cause pulmonary problems.

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CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction): The results of animal experiments using pearl luster pigment of this type indicate no toxicological relevant properties. Since the substance is poorly absorbed, no systemic effects are to be anticipated. Inhalation of dusts should be avoided as even inert dusts may impair respiratory organ functions. No evidence of carcinogenic properties. No evidence of mutagenic or teratogenic effects.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	Powder
Colour:	Bronze
Odour:	Odourless
pH:	7-11
Melting point:	Not available
Boiling point:	Not available
Ignition temperature:	Not available
Flashpoint:	Not available
Explosion limits (lower):	Not available
Explosion limits (upper):	Not available
Density (20°C):	2.8-3.4g/cm ³
Solubility in water(20°C):	Almost insoluble
Particle size:	10-60µm

10. STABILITY AND REACTIVITY

Reactivity:	No decomposition if used according to specifications
Chemical stability:	Acid and alkali resistance under the normal temperatures
Possibility of hazardous reactions:	Not available
Conditions to avoid:	Not available
Incompatible materials:	Not available. No dangerous reactions known
Hazardous decomposition products:	Not available
Hazardous reactions:	No hazardous reactions when stored and handled according to instructions. The product is chemically stable. Hazardous polymerization will not occur.
Decomposition products:	Hazardous decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated.
Thermal decomposition:	No data available
Corrosion to metals:	No corrosive effect on metal

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects:	Acute toxicity Oral: Type of value: LD50 Species: rat Value: > 2,000 mg/kg The product has not been tested. The statement has been derived from the properties of the individual components
Irritation / corrosion:	Skin: May cause mechanical irritation. Eye: May cause mechanical irritation. Carcinogenicity

12. ECOLOGICAL INFORMATION

Toxicity:	No ecological problems are to be expected when this product is handled and used with due care and attention.
Persistence and degradability:	Not available
Bioaccumulative potential:	Not available.
Mobility in soil:	Not available.
Results of PBT and vPvB assessment:	Not available.

Other adverse effects: Not available.

Additional ecological information:

General notes: Water hazard class 1(German Regulation)(Self-assessment):slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system

Fish: Acute:
Fish/LC50 (96 h): Not determined
Chronic:
No data available.

Aquatic invertebrates: Acute:
daphnia/LC50 (48 h): Not determined
Chronic:
No data available.

Aquatic plants: Toxicity to aquatic plants:
algae/EC50 (72 h): Not determined

Microorganisms: Toxicity to microorganisms:
bacteria/EC50 (0.5 h): Not Determined

Degradability / Persistence Not readily biodegradable (by OECD criteria).
Biological / Abiological The colourant is insoluble in water and can thus be separated from water
Degradation Evaluation: mechanically in suitable effluent treatment plant

13. DISPOSAL CONSIDERATIONS

Waste disposal substance: Must be disposed of or incinerated in accordance with local regulations. Dispose of in a licensed facility. Do not discharge into drains/surface waters/groundwater. It is the waste generator's responsibility to determine if a particular waste is hazardous under RCRA.

Container disposal: Untampered packaging can be re-used. Packs that cannot be cleaned should be disposed of in the same manner as the contents.

14. TRANSPORT INFORMATION

Land transport ADR/RID (cross-border): USDOT. Not classified as a dangerous good under transport regulations

Transport Category:

Maritime transport IMDG: MDG Class: Not classified as a dangerous good under transport regulations.
Label: -
Packaging group: -
EMS Number: -
Marine pollutant: No
Proper shipping name: -

Air transport ICAO-TI and IATA-DGR: ICAO/IATA Class: Not classified as a dangerous good under transport regulations
UN/ID Number: -
Label: -
Packaging group: -
Proper shipping name: -
UN (Model Regulation): -

Environmental hazards: Not available

Special precautions hazards: Not available

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture: Section 335 (extremely hazardous substances): None of the ingredients is listed.
 Section 313 (specific toxic chemical listings): None of the ingredients is listed.
 Proposition 65 Chemical known to cause cancer: None of the ingredients is listed.
 Chemical known to cause reproductive toxicity for females: None of the ingredients is listed.
 Chemical known to cause developmental toxicity: None of the ingredients is listed.
 Cancerogenity categories EPA (Environmental Protection Agency): None of the ingredients is listed.
 NTP (National toxicology Program): None of the ingredients is listed
 OSHA-Ca (Occupational Safety& Health Administration): None of the ingredients is listed.

Labelling according to EU guidelines:

Observe the general safety regulations when handling chemicals

The product has not been classified and marked in accordance with EU Directives/respective national laws. The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials The product has not classified as dangerous according to Directive 67/548/EEC, 1999/45/EC and Regulation (EC)No.1272/2008. National regulations.

Candidate List of Substance of very high concern (SVHC) according ECHA (18/06/2010):
 None of the ingredients is listed.

REACH Regulation Annex XVII Restrictions List: None of the ingredients is listed

REACH Regulation Annex XVII Authorization Recommendation List: None of the ingredients is listed

16. OTHER INFORMATION

The contents and format of this MSDS are in according with REGULATION (EC) No.1272/2008. (EC)No.1907/2006, EU Commission Directive 1999/45/EC, 67/548/EEC.

DISCLAIMER OF LIABILITY:

The information in this MSDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or method of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS/SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS/SDS information may no the applicable. Relevant R-phrases 36/377/38 Irritating to eyes, respiratory system and skin.

Abbreviations	Acronyms
ADR	Accord enropeen sur le transport des marchandises dangerous par Route (European Agreement concerning the international Transport of Dangerous Goods by Rail).
IMDG	International Maritime Code for Dangerous Goods
IATA	International Air Transport Association
IATA-DGR	Dangerous Goods Regulations by the : "International Air Association" (IATA)
ICAO	International Civil Aviation Organization
ICAO-TI	Technical Instructions by the "international Civil Aviation Organization" (ICAO)
GHS	Globally Harmonized System of Classification and Labelling of Chemicals.
ACGIH	American Conference of Governmental Industrial Hygienists.
LC50	Lethal concentration,50 percent
LD50	Lethal dose,50 percent

Further Information

The information in this safety data sheet is to the best of our knowledge true and accurate at the date of publication. All data, instructions, and recommendations and/or suggestion are made without guarantee.

In all cases, it is the responsibility of the users to determine the applicability of such information and recommendations, and the suitability of any products for their own particular purpose. Accordingly, Adelaide Moulding and Candle Supplies assumes no liability whatsoever for the use of or reliance upon this information or for any damage resulting from handling or from contact with the product.

The Material Safety Data Sheet is intended to provide information for a health and safety assessment of the material. This document is not intended for quality assurance purposes.