

MATERIAL SAFETY DATA SHEET

Mica & Colours Epoxy Resin – Part A

HAZARDOUS ACCORDING TO THE CRITERIA OF SAFE WORK AUSTRALIA (NOHSC)

1. IDENTIFICATION OF MATERIAL AND SUPPLIER

Identification of Material

Product name: Mica & Colours
Product code:
Intended use: Pigment – Colourant – Tint – Pearlescent Translucent Effect
Chemical Name: Inorganic Compound - MICA

Identification of the Company

Manufacturer / Supplier: SHIMICOAT Pty Ltd, 9a Morse Road, BIBRA LAKE WA 6163
Phone: (+61) (08) 9434 3302
E-mail: info@shimi.com.au
Website: www.shimi.com.au
Emergency phone number: Poisons Information Centre
 Phone (Australia 13 1126; New Zealand 03 4747000)

Additional Information:

It is the user's responsibility to determine the suitability of this product for their applications and their methods of use.

Other Information:

THIS MSDS SUMMARISES OUR BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD INFORMATION OF THE PRODUCT AND HOW TO SAFELY HANDLE AND USE THE PRODUCT IN THE WORKPLACE. EACH USER MUST REVIEW THIS SDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE. IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT SHIMICOAT SO WE CAN ATTEMPT TO PROVIDE ADDITIONAL INFORMATION. OUR RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS AVAILABLE ON OUR WEBSITE, SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST BY EMAIL OR POST.

2. HAZARD IDENTIFICATION

Classification of the substance or mixture

GHS Classification in accordance with CFR 1910 (OSHA HCS)

The product is not classified as hazardous according to EU parliament and councils directive 1999/45/EC.

Label elements

Labeling according to Regulation (EC) No 1272/2008:

Contains: Mica, TiO₂, various other pigments

Relevant phrases:

Signal Word: Caution

Hazard pictograms:



Hazard Statements:

H318 May cause respiratory irritation.

Precautionary Statements:**Precautionary Statements:**

P102	Keep out of reach of children.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P261	Avoid breathing dust.
P302+352	IF ON SKIN: wash with plenty of soap and water.
P305 +351+338.	IF IN EYES: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.
P402 +404	Store in a dry place. Store in a closed container.
P501	Dispose of contents/container in accordance with local regulations.

Supplementary precautionary Statements:

P271	Use only outdoors or in well-ventilated area.
P264	Wash contaminated skin thoroughly after handling.
P304+340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P333+313	If skin irritation or rash OCCURS: get medical advice/attention.
P361	Remove/take off immediately all contaminated clothing.
P362	Take off contaminated clothing before reuse.
P403+233	Store in well-ventilated place. Keep container tightly closed.

Prevention

P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood
P281	Use personal protective equipment as required

Response

P308 + P313	IF exposed or concerned: Get medical advice/attention
-------------	---

Storage

P405	Store locked up
------	-----------------

Disposal

P501	Dispose of contents/ container to an approved waste disposal plant
------	--

Hazards not otherwise classified (HNOC)

No information available

Unknown acute toxicity

No information available

3. COMPOSITION AND INFORMATION ON INGREDIENTS

Name	CAS Number	Concentration
Glass Oxide	65997-17-3	40-50%
Titanium Dioxide (TiO ₂)	13463-67-7	20-30%
Ferric Oxide (Fe ₂ O ₃)	108-05-4	10-20%
Ingredients determined to be non-hazardous	N/A	Balance

Additional information: Balance of other ingredients are non-hazardous or less than 1% in concentration (or 0.1% for carcinogens, reproductive toxins, or respiratory sensitizers).

Additional H statements see Sec 16.

4. FIRST AID MEASURES

Description of first aid measures**After inhalation:**

If breathing becomes difficult, remove victim to fresh air. If necessary, use artificial respiration to support vital functions. Seek medical attention if breathing difficulty continues. DO NOT INDUCE VOMITING

After eye contact:

If product enters the eyes, open eyes while under gentle running water for at least 15 minutes. Seek medical attention.

After swallowing:

If product is swallowed, call physician or poison control center for most current information. If professional advice is not available, do not induce vomiting. Never induce vomiting or give diluents. Give large amounts of water or milk to a CONSCIOUS PERSON. Never give (milk or water) to someone

who is unconscious, having convulsions, or who cannot swallow. Seek medical advice. Take a copy of the label and/or MSDS with the victim to the health professional.

After skin contact:

Wash skin thoroughly after handling. Seek medical attention if irritation develops and persists. Remove contaminated clothing. Launder contaminated clothing before re-use.

After eye contact:

If product enters the eyes, open eyes while under gentle running water for at least 15 minutes. Seek medical attention.

Most important symptoms and effects, both acute and delayed.

Acute: This material may cause irritation to skin and eyes. Product may cause an allergic skin reaction.

Chronic: Prolonged or repeated skin contact may cause skin reaction product can be removed with water wash exposed skin thoroughly. Seek medical attention if symptoms arise.

Hazards: Pre-existing skin or eye problems may be aggravated by exposure to this product.

Indication of any immediate medical attention and special treatment needed:

Treat symptoms and reduce over-exposure

5. FIREFIGHTING MEASURES**Extinguishing media**

Suitable extinguishing agents: Use fire-extinguishing media appropriate for surrounding materials.

Special hazards arising from the substance or mixture: Not a fire or explosion hazard.

Hazardous decomposition products: None known.

Advice for Firefighters:

Use standard Protective equipment for firefighters appropriate for surrounding materials

6. ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures:**

Personnel should be trained for spill response operations.

Environmental precautions:

All work practices must be aimed at eliminating environmental contamination.

Methods and material for containment and cleaning up:

Sweep up or vacuum up material, do not create airborne dust. Wear self-contained safety face mask during use or clean up.

7. HANDLING AND STORAGE**Precautions for safe handling**

As with all chemicals, avoid getting this product ON YOU or IN YOU. Wash thoroughly after handling this product. Do not eat, drink, smoke, or apply cosmetics while handling this product. Avoid breathing dust/vapors generated by this product. **Use in a well-ventilated location or provide good ventilation** before use. Remove contaminated clothing immediately.

Conditions for safe storage, including any incompatibilities**Storage:**

Requirements to be met by storerooms and receptacles: Provide good ventilation and avoid contact with skin and eyes. Good general housekeeping procedure should be followed. Do not eat drink or smoke while using the material. Emergency showers should be readily available. Avoid contact with skin eyes. Do not inhale dust wear appropriate breathing equipment. Contact with eyes or skin may be irritating. Use only with good ventilation and PPE. Keep container closed when not in use.

Specific end use(s): Use within the time period as recommended on the technical data sheet.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION**Additional information about design of technical facilities:**

Use with adequate ventilation to ensure exposure levels are maintained below the limits provided above. Use local exhaust ventilation to control airborne dust. Ensure eyewash/safety shower stations are available near areas where this product is used.

Control parameters**Ingredients with limit values that require monitoring at the workplace:**

Currently, International exposure limits are not established for the components of this product. Please check with competent authority in each country for the most recent limits in place.

Exposure controls**Personal protective equipment:****General protective and hygienic measures:**

The following information on appropriate Personal Protective Equipment is provided to assist employers in complying with OSHA regulations found in 29 CFR Subpart I (beginning at 1910.132) or equivalent standard of Australia, or standards of EU member states (including EN 149 for respiratory PPE, and EN 166 for face/eye protection), and those of Japan. Please reference applicable regulations and standards for relevant details.

Respiratory protection: Maintain airborne contaminant concentrations below guidelines listed above, if applicable. If necessary, use only respiratory protection authorized in the U.S. Federal OSHA Respiratory Protection Standard (29 CFR 1910.134), equivalent Australian Worksafe, U.S. State standards, Canadian CSA Standard Z94.4-93, the European Standard EN149, or EU member states.

Protection of hands: Use chemical resistant gloves to prevent skin contact. If necessary, refer to U.S. OSHA 29 CFR 1910.138 or appropriate Standards of Canada.

Protective gloves

Material of gloves: The selection of suitable gloves does not only depend on the material, but also on the quality, and varies from manufacturer to manufacturer. Nitrile gloves are a good choice for using this product.

Penetration time of glove material: The exact break through time has to be determined by the manufacturer of the protective gloves. DO NOT exceed the breakthrough time set by the Manufacturer.

Eye protection: Safety glasses or chemical goggles as a minimum to prevent eye contact. If necessary, refer to U.S. OSHA 29 CFR 1910.133 or appropriate Canadian Standards. Alternatively a totally self contained face mask meeting NIOSH standards is highly recommended when using this product.

Tightly sealed goggles

Self-container respirator

Body Protection: Use body protection appropriate to prevent contact (e.g. lab coat, overalls). If necessary, refer to appropriate Standards of Canada, or appropriate Standards of the EU, Australian Standards, or relevant Japanese Standards.



9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

General Information

Appearance:

Form:	Powder
Color:	Various (black, gray, red ,yellow, blue, green, etc.)

Odor:

Odorless

pH-value:

N/A insoluble in water

Flash point:

N/A

Flammability (solid, gaseous):

No data available

Auto/Self-ignition temperature:

N/A

Decomposition temperature:

No data available

Self-igniting:

No data available

Danger of explosion:

N/A

Explosion limits "Lower + Upper":

Not established

Vapor pressure:

Not established

Bulk Density at 25°C:

2.8-2.9 kg/L

Evaporation rate:

N/A

Solubility in / Miscibility with Water:

Insoluble

Specific Gravity at 25°C (Water = 1):

N/A

Viscosity:

N/A – It is a powder product

VOC Solvent content:

Nil – It is a powder product

10. STABILITY AND REACTIVITY

Reactivity:

No data available

Chemical stability:

Product is stable under normal temperature conditions

Thermal decomposition:

Can release carbon monoxide/ carbon dioxide

Conditions to be avoided:

None known

Possibility of hazardous reactions:

None known

Conditions to avoid:

None Known

Incompatible materials:

None known

Hazardous decomposition products:

None known

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects: No data available regarding the product itself.

12. ECOLOGICAL INFORMATION

Toxicity No data available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Recommendations: Waste disposal must be in accordance with appropriate Federal, State, and local regulations, those of Canada, Australia, EU Member States and Japan. Recommended to contact local licensed professional waste disposal service.

RCRA WASTE CODE: None Listed

EU WASTE CODE: Not Listed

14. TRANSPORT INFORMATION

Transport information

UN-Number NO UN NUMBER REQUIRED NON HAZARDOUS IN ALL RESPECTS

IMDG: ADR, DOT, IATA, TGD: NOT REGULATED, NOT DANGEROUS GOODS

UN proper shipping name NOT REGULATED, NOT DANGEROUS GOODS

ADR, IMDG, IATA: DOT: TGD

Transport hazard class(es)

DOT Class/Label: NONE

ADR, IMDG, IATA Class/Label: NONE

IMDG Class/Label: NONE

IATA Class/Label: NONE

Packing group

DOT, ADR, IMDG, IATA: NONE

Environmental hazards:

Marine pollutant: This products ingredients are not classified by the DOT as a Marine Pollutant (as defined by 49 CFR 172.101, Appendix B)

Special precautions for user Danger code No data available

EMS Number: No data available

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:

No data available

Transport/Additional information

ADR Tunnel restriction code No data available

UN "Model Regulation": No data available

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture. Australia **SARA:** This product is not subject to the reporting requirements of Sections 302, 304 and 313 of Title III of the Superfund Amendments and Reauthorization Act.: None

Section 355 (extremely hazardous substances): None of the ingredients are listed.

Section 313 (Toxic Release Inventory): None of the ingredients are listed.

TSCA (Toxic Substances Control Act): All ingredients are listed.

Proposition 65 (Western Australia):

Chemicals known to cause cancer: None of the ingredients is listed.

Canada

Canadian Domestic Substances List (DSL):

All ingredients are listed

Canadian Ingredient Disclosure list (limit 0.1%): None of the ingredients are listed.

Canadian Ingredient Disclosure list (limit 1%): None of the ingredients are listed.

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16. FURTHER INFORMATION

To the best of our knowledge, this MSDS summarizes the health and safety hazards, which may be posed by the product. However, SHIMICOAT makes no representation with regard to the completeness or accuracy of the information or of any recommendations contained in this data sheet, and it accepts no responsibility for loss or damages whatsoever resulting from the use of, or reliance upon, the information and any recommendations herein.

REFERENCES**Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals, February 2016**

- Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995)] and subsequent amendments
- Australian Code for the Transportation of Dangerous Goods by Road and Rail (ADG Code), Edition 7.3, August 2014
- Standard for the Uniform Scheduling of Drugs and Poisons No. 23, June 2008

Abbreviations and acronyms:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transportation.

IATA: International Air Transport Association.

ACGIH: American Conference of Governmental Industrial Hygienists.

EINECS: European Inventory of Existing Commercial Chemical Substances.

ELINCS: European List of Notified Chemical Substances.

CAS: Chemical Abstracts Service (division of the American Chemical Society).

NFPA: National Fire Protection Association (USA).

HMIS: Hazardous Materials Identification System (USA).

LC50: Lethal concentration, 50 percent.

LD50: Lethal dose, 50 percent

DISCLAIMER

Material Safety Data Sheet, Technical and Environmental Data Sheet can be provided upon request.

The information provided in this document is guidance only and considering the uses of this product are beyond the seller's control, the product is sold without guarantees or warranties. Warranties and guarantees shall be governed by SHIMICOAT Standard Terms of Sale. The purchaser shall make its own tests to determine the suitability for their specific application, and Shimicoat Pty Ltd is taking no responsibility for misuse of the product. The purchaser assumes all risk of use and handling of this product. This product will be happily replaced or credited back if defective. Beyond this, Shimicoat Pty Ltd is not liable for any damages caused by this product or its use. *This information and all further technical advice are based on our present knowledge and experience. The customer is not released from the obligation to conduct careful inspection and testing of supplied goods.*

Copyright SHIMICOAT Pty Ltd

Copyright in the layout, presentation and appearance of each SHIMICOAT MSDS's displayed is the intellectual property of SHIMICOAT Pty Ltd. The compilation of MSDS's displayed is the intellectual property of SHIMICOAT Pty Ltd. Copyright in the source code of the HTML, PDF, XML, XFO and any other electronic files rendered by SHIMICOAT system for SHIMICOAT MSDSs displayed is the intellectual property of the company. Copying of any MSDS displayed is permitted for personal use only and otherwise is not permitted. In particular the MSDS's displayed cannot be copied for the purpose of sale or licence or for inclusion as part of a collection of MSDS without the express written consent of SHIMICOAT Pty Ltd.