

SAFETY DATA SHEET INFORMATION
For further information: Please refer to the Safety Data Sheet following

Issue Date: November 21

PRODUCT: Epoxy Flake Chips
Other Names: None

Uses: Protective and decorative coatings
Signal Word: None

UN No.:	NR
Dangerous Goods Class:	NR
Subsidiary Risk:	None
Packing Group:	NR
Hazchem Code:	NR

Hazardous Nature:	This product is not classified as hazardous under the GHS criteria
Hazard Statement:	Not hazardous: intentionally left blank
GHS Classification:	No GHS Hazard Classification applies

Physical Characteristics (Typical):

Appearance:	Coloured, solid, flake
Boiling Point/Range (°C):	N/A
Flash Point (°C):	N/A
Specific Gravity/Density (g/ml @ 15 °C):	2.65
pH:	Not determined
Chemical Stability:	Stable at room temperature and pressure
Reactivity:	None specified.

Product Ingredients

<u>Ingredient</u>	<u>CAS Number</u>	<u>EINECS Number</u>	<u>Proportion</u>
Solid flakes	various	various	100
Note: no hazardous components			

For further ingredient information, please refer to the full SDS

GHS Pictograms

Not hazardous: intentionally left blank

DEFINITIONS

Dangerous Goods	Products that are regulated for transport under the UN International guidelines are classified as Dangerous Goods. Products can be classified by their physical characteristics and may have only one Dangerous Goods designation, although may have a subsidiary risk. These products may be Dangerous Goods for transport by Air and Sea but may not be classed as Dangerous Goods by Road and Rail in Australia. Refer to the Australian Code for Transport of Dangerous Goods by Road and Rail (ADG) for more information.
Hazardous Substances	Hazardous Substances are those products that are intrinsically hazardous by virtue of their chemical nature, rather than as a condition of their misuse. These hazards include mutagens, teratogens, carcinogens, and products that are harmful or irritant in nature. These products may or may not carry a Dangerous Goods classification. Hazardous Chemicals can attract a number of classifications, which are identified by the pictograms (if any) indicated on the SDS or label.

1. IDENTIFICATION

Product Name:	Epoxy Flake Chips
Other Names:	None
Chemical Family:	Solid flakes
Molecular Formula:	Not available
Recommended Use:	Protective and decorative coatings
Supplier:	Contreat
ABN:	80 477 225 325
Address:	1/22 Lawrence Dr, Nerang QLD 4211
Telephone:	1300 044 625
Emergency Phone:	
All Other Enquiries:	1300 044 625
Website:	www.contreat.com.au

2. HAZARDS IDENTIFICATION

Hazardous Nature

This product is not classified as hazardous under the GHS criteria

GHS Classification

No GHS Hazard Classification applies

GHS Pictograms

Not hazardous: intentionally left blank

Hazard Statement

Not hazardous: intentionally left blank

Hazard Statements

Not hazardous: intentionally left blank

Precautionary Statements

Not hazardous: intentionally left blank

Dangerous Goods Classification: NR

Signal Word: None

3. COMPOSITION: INFORMATION ON INGREDIENTS

Chemical Ingredient	CAS Number	EINECS Number	Proportion (%v/v)
Solid flakes	various	various	100
Note: no hazardous components			

4. FIRST AID MEASURES

For advice, contact Poisons Information Centre (Phone Australia: 13 1126) or a doctor.

Ingestion

None specified. Give water to drink and keep at rest.

Eye Contact

None specified. Flush eyes with water and keep at rest.

Skin Contact

None specified. Brush off skin and wash with soap and water.

Inhalation

None specified. Remove to open area and keep at rest.

First Aid Facilities

None specified.

Medical Attention

None specified.

5. FIRE FIGHTING MEASURES

Shut off product that may 'fuel' a fire if safe to do so. Allow trained personnel to attend a fire in progress providing fire fighters with this Material Safety Data Sheet. Prevent extinguishing media from escaping to drains and waterways.

Suitable Extinguishing Media

Any as available.

Hazards from Combustion Products

There is no combustion hazard with this product.

Precautions for fire fighters and special protective equipment

None specified.

Hazchem Code

NR

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures

Prevent product from escaping to drains and waterways. Contain leaking packaging in a containment drum. Prevent vapours or dusts from building up in confined areas. Ensure that drain valves are closed at all times. Clean up and report spills immediately.

Methods and materials for containment

Major Land Spill

- Eliminate sources of ignition.
- Warn occupants of downwind areas of possible fire and explosion hazard, where present.
- Prevent product from entering sewers, watercourses, or low-lying areas.
- Keep the public away from the area.
- Shut off the source of the spill if possible and safe to do so.
- Advise authorities if substance has entered a watercourse or sewer or has contaminated soil or vegetation.
- Take measures to minimise the effect on the ground water.
- Contain the spilled product using the resources in the spill kit.
- Recover by pumping – use explosion proof pump or hand pump – or with a suitable absorbent material.
- Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.
- See "First Aid Measures" and "Stability and Reactivity"

Major Water Spill

- Eliminate any sources of ignition.
- Warn occupants and shipping in downwind areas of possible fire and explosion hazard, where present.
- Notify the port or relevant authority and keep the public away from the area.
- Shut off the source of the spill if possible and safe to do so.
- Confine the spill if possible.
- Remove the product from the surface by skimming or with suitable absorbent material.
- Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.
- See "First Aid Measures" and "Stability and Reactivity".

7. HANDLING AND STORAGE

Precautions for Safe Handling

This product will not burn and does not create a combustion hazard, even if dusty. Ensure that product packaging integrity is maintained for transport. Spills are not harmful to the environment.

Conditions for Safe Storage

Store in general warehousing or as available. This product is not a combustion risk nor a spill risk.

Incompatible Materials

None known.

8. EXPOSURE CONTROLS: PERSONAL PROTECTION

National Exposure Standards

The time weighted average concentration (TWA) for this product is: None specified., which means the highest allowable exposure concentration in an eight-hour day for a five-day working week must not exceed this measurement. The short-term exposure limit (STEL) is: None specified., which is the maximum allowable exposure concentration that must not be exceeded at any time. Some materials specify a Peak Limitation value (Peak): where None applies in this case. A peak limitation value supersedes TWA and STEL values and determines the concentration which must not be exceeded at any time. In addition to exposure concentrations, some materials can be classified as skin sensitisers effecting exposure through vapour or direct contact, indicated here as (Sen), where applies in this case. Other products may have a characteristic of being easily absorbed through the skin (Sk), where none applies in this case.

Biological Limit Values (BLV): None specified

Engineering Controls: Ventilation

The use of local exhaust ventilation is recommended to control process emissions near the source. Laboratory samples should be handled in a fume hood. Provide mechanical ventilation of confined spaces. Use explosion proof equipment.

Personal Protective Equipment

Respiratory Protection: Where concentrations in air may approach or exceed the limits described in the National Exposure Standards, it is recommended to use a half-face filter mask to protect from overexposure by inhalation. A type 'A' filter material is considered suitable for this product.

Eye Protection: Always use safety glasses or a face shield when handling this product.

Skin/Body Protection: Always wear long sleeves, long trousers, or coveralls, and enclosed footwear or safety boots when handling this product. It is recommended that chemical resistant gloves be worn when handling this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Unit of Measurement	Typical Value
Appearance	None	Coloured, solid, flake
Boiling Point/Range	°C	N/A
Flash Point	°C	N/A
SG/Relative Density (@ 15°C)	g/ml; kgm ⁻³	2.65
Vapour Pressure @ 20 °C	kPa	Not determined
Vapour Density @ 20 °C	g/ml; kgm ⁻³	Not determined
Autoignition Temperature	°C	Not determined
Explosive Limits in Air (LEL – UEL)	% vol/vol.	Not determined
Viscosity @ 20°C	cPs, mPas	No data available
Percent Volatiles	% vol/vol.	Not determined

Property	Unit of Measurement	Typical Value
Acidity/alkalinity as pH	None	Not determined
Solubility in Water (at 25 °C)	g/l	Insoluble
Other solvents	-	None

The values listed are indicative of this product's physical and chemical properties. For a full product specification, please consult the Technical Data Sheet.

10. STABILITY AND REACTIVITY

Chemical stability

Stable at room temperature and pressure

Conditions to Avoid

None specified.

Hazardous decomposition products

None

Hazardous reactions

None

Hazardous polymerisation

Will not occur

11. TOXICOLOGICAL INFORMATION

Acute Effects

Ingestion

Unlikely. Observe First Aid in the event of ingestion. There are no acute effects and no narcotic possibilities.

Eye Contact

Unlikely. Observe First Aid in the event of ingestion. There are no acute effects and no damage to eye tissue likely.

Skin Contact

Unlikely. Observe First Aid in the event of ingestion. There are no acute effects and no damage to skin tissue likely.

Inhalation

Unlikely. Observe First Aid in the event of ingestion. There are no acute effects and no narcotic possibilities.

Chronic Effects

None known

Other Health Effects

None

Toxicological Information

Oral LD₅₀: rat: No data available

Dermal LD₅₀: rabbit: No data available

12. ECOLOGICAL INFORMATION

Ecotoxicity

Aquatic Toxicity:

Fish Toxicity LC ₅₀	No data available
Daphnia Magna EC ₅₀	No data available
Blue-green algae	No data available

Green algae	No data available
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Persistence/Biodegradability: This product will persist.

Mobility: This product is not mobile and not likely to contaminate soils or groundwater.

13. DISPOSAL CONSIDERATIONS

Disposal Methods

Empty packaging should be taken for recycling, recovery or disposal through a suitably qualified or licensed contractor. Care should be taken to ensure compliance with national and local authorities. Packaging may still contain product residue that may be harmful. Ensure that empty packaging is managed in accordance with Dangerous Goods regulations.

Special Precautions

This product is not suitable for disposal by either landfill or via municipal sewers, drains, natural streams or rivers. This product should be treated and disposed through chemical waste treatment, or considered for use in recycling.

14. TRANSPORT INFORMATION

Road and Rail Transport		Marine Transport		Air Transport	
UN No.	NR	UN No.	NR	UN No.	NR
Proper Shipping Name	Paint & Paint related materials	Proper Shipping Name	Paint & Paint related materials	Proper Shipping Name	Paint & Paint related materials
DG Class	NR	DG Class	NR	DG Class	NR
Sub. Risk	None	Sub. Risk	None	Sub. Risk	None
Packing Group	NR	Packing Group	NR	Packing Group	NR
Hazchem Code	NR	Hazchem Code	NR	Hazchem Code	NR

Dangerous Goods Segregation

This product is not regulated for Transport via Road and Rail.

15. REGULATORY INFORMATION

Country/Region: Australia

Inventory: AICS (ACIS)

Status: Listed, ingredients listed

16. OTHER INFORMATION

Reasons for Issue: New manufacturer information; changes and updates in multiple sections.

Abbreviations:

AICS: Australian Inventory of Chemical Substances

ATE: Acute Toxicity Estimate

CAS Number: Chemical Abstracts Number

GHS: Globally Harmonised System

IARC: International Agency for Research on Cancer

IUCLID: International Uniform Chemical Information Database

PPE: Personal Protective Equipment

EC: European Chemical identification number

EINECS: European Inventory of Existing Chemical Substances

LoW: List of Wastes

LC₅₀: Lethal Concentration to 50% of sample population

LD₅₀: Lethal Dose to 50% of sample population

N/R: Non-regulated

N/A: Not applicable

PEC: Predicted Effect Concentration

PNEC: Predicted Non-effect Concentration

REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006

UN: United Nations

References:

- Supplier Safety Data Sheets
- <http://hsis.safework.gov.au/SearchHS.aspx> (November 21)
- Animal toxicology data: <http://chem.sis.nlm.nih.gov/chemidplus> (November 21)
- Ecotoxicology data: <https://cfpub.epa.gov/ecotox>
- General sources of chemical information available to Contreat.

The information sourced for the preparation of this document was correct and complete at the time of writing to the best of the writer's knowledge. The document represents the commitment to the company's responsibilities surrounding the supply of this product, undertaken in good faith. This document should be taken as a safety guide for the product and its recommended uses but is in no way an absolute authority. Please consult relevant legislation and regulations governing the use and storage of this type of product, and it is recommended that the user conduct their own risk assessment prior to use. For further information, please contact Contreat.
