1. Identification of the substance/preparation and of the company/undertaking

Identification of the product

Product name: Emerald Green SHIMR Metallic Pigment Powder

Color code: PG-SH-EG

Company/ undertaking identification

Company: Easy Composites Ltd.

Registered Address: Unit 39 Park Hall Business Village, Stoke on Trent, Staffordshire, ST3 5XA, United Kingdom Tel.: +44 (0) 1782 454499 Email: sales@easycomposites.com

2. Hazards identification

Classification of the substance or mixture:

Hazards description: Not applicable

Information concerning particular hazards for human and environment:

The product is not classified as dangerous according to Directiv67/548/EEC, 1999/45/EC and 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: Not available

Potential health effects

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.

Chronic toxicity:

Potential environmental effects

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

Chemical Composition	By weight	CI No.	CAS No.
Mica	42.0-47.0%	77019	12001-26-2
TiO2	52.0-57.0%	77891	13463-67-7

C.I.P.G7	1.0-2.0%	74260	1328-53-6

4. First aid measures

After inhalation (large amounts of dusts): Fresh air. (Consult doctor in the event of any complaints.)
After skin contact: Wash of with water.
After eye contact: Rinse out with water.
After swallowing (large amounts): Consult doctor if feeling unwell.

5. Fire-fighting measures

Suitable extinguishing media:
In adaption to materials stored in the immediate neighborhood.
Special risks:
Non-combustible. Ambient fire may liberate hazardous vapours.
Special protective equipment for fire-fighting.
Do not stay in dangerous zone without self-contained breathing apparatus.

6. Accidental release measures

Person-related precautionary measures:
Avoid inhalation of dusts.
Procedures for cleaning/absorption
Take up dry. Forward for disposal. Clean up affected area. Avoid generation of dusts.

7. Handling and storage

Handling: No further requirements
Storage: Tightly closed. Dry.
Storage temperature: No restrictions.

8. Exposure controls/personal protection

Personal protective equipment:
Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.
Respiratory protection: Required when dusts are generated.
Eye protection: Required
Hand protection: Not required
Industrial hygiene: Wash hands after working with substance

9. Physical and chemical properties

Form:	Dry powder
Color:	Emerald Green
Odour:	Odorless

Ph value:

At 100g/l H_2O	(20°C)	4-11	(slurry)

Melting point		Not available
Boiling point		Not available
Ignition temperature		Not available
Flash point		Not available
Explosion limits	Lower	Not available
	Upper	Not available
Density	(20°C)	2.7-3.4g/cm^3
Solubility in water	(20°C)	Almost insoluble
Particle size	10-60µm	

10. Stability and reactivity

Conditions to be avoided: Not known to date
Substances to be avoided: No information available
Hazardous decomposition products: Not know to date
Further information: None

11.Toxicological information

Acute toxicity
Quantitative data on the toxicity of this product are not available.

Further toxicological information
The results of animal experiments using pigments of this type indicate no toxicologically relevant properties. Since the substance is poorly absorbed, no hazardous properties are to be anticipated.
Inhalation of the dusts should be avoided as even inert dusts may impair respiratory organ functions.
The individual test results were as follows:
Skin tolerance (rabbit): No irritant effect;
Eye irritation test (rabbit): No irritant effect;
Sensitization test (guinea pig): No sensitizing potential;
Subchronic toxicity (rat): No findings up to 20,000 ppm.
LD50 (oral, rat): not determinable; all animals still alive after 15,000mg/kg,
Chronic toxicity (rat): 5% of the product added to the feed for a period of 2.5 years did not show any toxicological changes or carcinogenic effects in animals.
LC50 (inhalational, rat): male animals: between 4.6 and 14.9 mg/l air; female animals:>14.9 mg/l air,
The product did not show any genotoxic effects in the micronucleus test carried out in rats in concentrations of up to 2000mg/kg(limit test).

12. Ecological information

Ecotoxic effects:
Quantitative data on the ecological effect of this product are not available.

Further ecologic data:
No ecological problems are to be expected when the product is handled and used with due care and attention.

13.Disposal considerations

Product : Chemicals must be disposed of in compliance with the respective national regulations.
Packaging: Orcheer product packaging must be disposed of in compliance with the country-specific regulations or must be passed to a packaging return system.

14. Transport information

Entire package: Not subject to transport regulations.

15. Regulatory information

Labeling according to EC Directives

Symbol	---	
R- phrases	---	
S-phrases	22	Do not breathe dust

16. Other information

Reason for alteration
Specific control parameter.
Toxicological information
General update
Regional representation:
This information is given on the authorized Safety Data Sheet for your country.

DISCLAIMER OF LIABILITY:

The information in this SDS 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 methods 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 SDS was prepared and is to be used only for this product.
If the product is used as a component in another product, this SDS information may not be applicable.

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