

CTM POTTERS SUPPLIES

SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product information

Trade name : GS 18; Hi Temp Red

Company : CTM Potters Supplies
Unit 10A, Millpark Industrial Estate
White Cross Road
Woodbury Salterton
Nr. Exeter
EX5 1EL

Telephone : 01395-233-077
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E-mail address : admin@ctmpottersupplies.co.uk

Use of the Substance/Preparation : Manufacture of ceramic coatings and decorating preparations suited for firing, for glass and ceramics.

2. HAZARDS IDENTIFICATION

Not a hazardous substance or preparation according to EC-directives 67/548/EEC or 1999/45/EC.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature:

Product contains: inclusion pigment
silicatic material

Information on ingredients/Hazardous components:

zirconium dioxide in glasses/pigments	Concentration	50% ~ 100%
CAS-No. 1314-23-4	EC-No.	215-227-2
cadmiumsulfoselenide, encapsulated	Concentration	1% ~ 3%
CAS-No. 102184-95-2	EC-No.	310-077-5

4. FIRST AID MEASURES

General advice:

Remove contaminated or saturated clothing.

Inhalation:

Take affected persons out into the fresh air.

Skin contact:

Wash with water and soap as a precaution.

Eye contact:

Immediately flush eye(s) with plenty of water.

Ingestion:

If systems persist, call a physician.

Notes to physician:

No own experience available.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:

The product itself does not burn.
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Extinguishing media which shall not be used for safety reasons:

None known.

Specific hazards during fire fighting:

None known.

Special protective equipment for fire-fighters:

Employ protective equipment commonly used in the event of fire.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:

Wear personal protective equipment; see section 8.
Avoid dust formation.
Ensure adequate ventilation.

Environmental precautions:

Try to prevent the material from entering drains or water courses.

Methods for cleaning up:

Pick up mechanically and collect in a suitable container. Avoid formation of dust.

Additional advice:

Dispose of contaminated material as waste in accordance with section 13.

7. HANDLING AND STORAGE

Handling

Safe handling advice:

Avoid production of dust. Do not breathe dust.
No particular measures required if used correctly. Ensure there is good room ventilation.

Advice on protection against fire and explosion:

No special protective measures against fire required.

Storage

Requirements for storage areas and containers:

No special storage conditions required.

Advice on common storage:

No special restrictions on storage with other products.

German storage class:

13 (Classification by producer in accordance with VCI scheme).

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters:

zirconium dioxide in glasses/pigments

CAS-No.	1314-23-4	EC-No.	215-227-2
Control parameters	1,00 mg/m ³ (total dust)	related to: as Zr	AGW (Germany)

cadmiumsulfoselenide, encapsulated

CAS-No.	102184-95-2	EC-No.	310-077-5
	0,015 mg/m ³ (total dust)	related to: as Cd	AGW (Germany)

Engineering measures:

Eventual aspiration in case of dusts. Technical protection measures have always priority over personal protection equipment.

Occupational exposure controls

Personal protective equipment:

Respiratory protection:

If occurs respirable dust: Dust mask with P1 particle filter.

Hand protection:

Recommended: suitable protective gloves e.g. nitrile-butadiene rubber (NBR) gloves.

Eye protection:

Wear basket-shaped glasses or safety goggles with side-shields.

Skin and body protection:

Safety shoes.

Hygiene measures:

General industrial hygiene practice.

Protective measures:

No particular measures required.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Form	powder
Colour	red
Odour	odourless

Safety Data:

Physical state	solid
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10. STABILITY AND REACTIVITY

Conditions to avoid: No dangerous reaction known under conditions of normal use.

Materials to avoid: none known.

Hazardous decomposition products: none known.

11. TOXICOLOGICAL INFORMATION

Skin irritation: May cause eye/skin irritation.
Powder can cause localised skin irritation in folds of the skin or under tight clothing.

Eye irritation: Product dust may be irritating to eyes, skin and respiratory system.

Sensitisation: not known.

No results of animal experiments with the product available.

Acute oral toxicity:

Inclusion pigment: LD50 rat: > 2.000,00 mg/kg

12. ECOLOGICAL INFORMATION

Persistence and degradability:

Biodegradability: The methods for determining biodegradability are not applicable to inorganic substances.

Physico-chemical removability: no data available.

Ecotoxicity effects:

Specific information for this product is not available.

Toxicity to fish:

Inclusion pigment: LC50 Fish: > 10.000,00 mg/l / 96 h

Toxicity to daphnia:

Inclusion pigment: EC50 Daphnia: 6.840,00 mg/l /48 h

13. DISPOSAL CONSIDERATIONS

Product:

Disposal according to local authority regulations.

Uncleaned packaging:

Dispose of as unused product.

If there is product residue in the emptied container, follow directions for handling on the container's label.

14. TRANSPORT INFORMATION

Further Information:

Not classified as dangerous in the meaning of transport regulations.

15. REGULATORY INFORMATION

Labelling according to EC Directives:

Statutory basis/list 1999/45/EC

Other data Not a hazardous substance or preparation according to EC-directives 67/548/EEC or 1999/45/EC.

Major Accident Hazard Legislation

96/82/EC listing: Update: 2003
Directive 96/82/EC does not apply.

16. OTHER INFORMATION

Further Information:

Data sheet producing department: CTM Potters Supplies
Telephone: 01395-233-077

Disclaimer:

The information contained in this safety data sheet has been prepared using the best available information, however in view of technical developments, this may alter. The material must only be used for its stated purpose and the information contained within this data sheet is offered solely for use in the evaluation of this product in respect of safety, health and environmental hazards. Due to the many factors outside our control when using this product, we cannot accept liability for any injury, accident, loss or damage caused through its use.