

CTM POTTERS SUPPLIES

SAFETY DATA SHEET

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

Product information

Trade name : GS 5; Turquoise Blue

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

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Use of the Substance/Preparation : Ceramic coating suited for firing, for glass and ceramics.

2. HAZARDS IDENTIFICATION

Particular risks are not known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature:

Product contains: inorganic pigment
zirconium vanadium silicate (Zr, V)SiO₄.

CAS-No.: 68186-95-8 EC-No.: 269-057-9

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:

In case of contact with eyes, rinse thoroughly with water.
In case of continuous pain consult eye doctor.

Ingestion:

Rinse out mouth and give plenty of water to drink. Contact doctor.

Notes to physician:

No own experience available.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:

The product itself is non-combustible.

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:

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

Environmental precautions:

Do not discharge into surface waters/groundwater.

Methods for cleaning up:

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

Additional advice:

Send in suitable containers for recovery or disposal.
Dispose of contaminated material as waste in accordance with section 13.

7. HANDLING AND STORAGE

Handling

Safe handling advice:

No particular measures required if used correctly. Ensure there is good room ventilation.
Avoid production of dust. Do not breathe dust.
Use breathing apparatus when transferring large quantities with out extraction facilities.

Storage

Requirements for storage areas and containers:

No special storage conditions required.

Advice on common storage:

No special restrictions on storage with other products.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Additional advice control parameters:

Observe general dust limit MAK (A = respirable fraction): 6 mg/m³

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. Do not inhale dust. Do not eat or drink when working. Wash hands before breaks and after work. Keep away from food and drink.

Protective measures:

No particular measures required.

9. PHYSICAL AND CHEMICAL PROPERTIES**Appearance:**

Form	powder
Colour	blue
Odour	odourless

Safety Data:

Changes in the physical state	Test method
Flash point:	not available
Flammability	
Ignition temperature:	not available
Explosion limits	
Lower Explosion limit:	not available
Density: (at 20 °C)	4,46 g/cm ³
Water solubility:	not determined

10. STABILITY AND REACTIVITY

Materials to avoid:	No hazardous reactions observed.
Hazardous decomposition products:	No hazardous decomposition products known.

11. TOXICOLOGICAL INFORMATION**Acute toxicity:**

Acute irritation to the eye in rabbits: not irritant. Ames test (salmonellas typhimurium): not mutagenic.

Additional information:

LD50 oral: > 2200 mg/kg (rat)
 LD50 dermal: not irritant (rabbit, 4 h)
 LC50 inhal. : > 5,1 mg/L (rat, 4 h)

12. ECOLOGICAL INFORMATION**Ecotoxicity:**

Acute fish toxicity (zebra fish, Brachydamio rerio): LC0(48 h): 1000 mg/l, LC50(96 h): > 1000 mg/l.

Persistence and degradability:

Slightly water-soluble inorganic product. It can be eliminated mechanically from the water in purification plants.

Other adverse effects:

Water pollution class: not hazardous to water (estimated), (Classification in accordance with the German Water Resources Act).

13. DISPOSAL CONSIDERATIONS

Dispose:

Dispose of at an approved landfill, in accordance with local, state and federal regulations.

Waste disposal number of waste from residues / unused product: 080112

WASTE FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU and removal of paint and varnish; waste paint and varnish other than those mentioned in 08 01 11.

14. TRANSPORT INFORMATION

Land transport (ADR/RID)

Inland waterways transport

Marine transport

Air transport

Further Information:

Not classified as dangerous in the meaning of transport regulations.

15. REGULATORY INFORMATION

Labelling according to EC Directives:

This product does not require a hazard-warning label in accordance with EC Directives on dangerous substances.

National regulations

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.