



MATERIAL SAFETY DATA SHEET
(Conforms to the EC Commission 2001/58/EC)

Revised : 1 November 2014

Product : FLUORESCENT MARKING CHALK POWDER

1. PRODUCT NAME:

Registered name : **GREEN or ORANGE FLUORESCENT CHALK POWDER**

Manufacturer: **DEFI – HOUILLERES DE CRUEJOULS S.A.S.**
Head office: **Z.I. La Gloriette**
38160 CHATTE
FRANCE

Phone number: +33 (0)4 76 64 85 64
Institute of toxicology: 01 45 42 59 59

2.- COMPOSITION / INFORMATION ON INGREDIENTS:

Chemical Characterization : Polymer colored in the mass + carbonate calcium

N° CAS : 57455.37.5
EINECS : 309-928-3
MITI (JAPAN) : 1-22
TSCA (U.S.A.), AICS (Australia), DSL (Canada) = CAS N°

3.- HAZARD IDENTIFICATION:

Fluorescent chalk powder are totally non toxic products for human health and environment.

4.- FIRST AID MEASURES:

General Advice : Take off dirty clothes.

- After inhalation : Take the victim into the fresh air.
- After skin contact : Flush away with soap and water, and rinse.
- After eyes contact ; Flush eyes with plenty of water (10-15min).
- After accidental ingestion : Rinse mouth with water and drink water. Call a physician.



5.- FIRE FIGHTING MEASURES:

Not flammable product.

Suitable extinguishing media:

No special extinguishing media.

Special risk posed by the substance or by the actual preparation, its combustion products or gases discharged:

Sulfur dioxide gas may be released.

Special protective equipment:

When extinguishing fires, use breathing apparatus with an independent source of air.

6.- ACCIDENT RELEASE MEASURES:

Personal precautions:

Avoid dust development. (see sections 7 and 8)

Environment precautions:

Do not empty into drains, river, lakes or sewages.

Collect under wet conditions.

7.- HANDLING AND STORAGE:

Avoid breathing dust and use the product in spaces with adequate ventilation.

Spots on skin and clothes can be easily washed.

Requirements to be met by storerooms and containers:

Keep containers tightly sealed.

Packaging : bags (paper, plastic, cloth) or drums.

8.- EXPOSURE CONTROLS ABOUT ENGINEERING MEASURES:

Additional information about engineering:

No special measures must be observed. Provision is required to keep exposure below permissible limit :

Ceiling Value : <math><10 \text{ mg/m}^3</math> for 8 hours – Total breathable dust

TWA : <math><5 \text{ mg/m}^3</math> for 8 hours – Total breathable dust.

Personal protective equipment:

If workplace limits are exceeded, a gas mask approved for this particular job must be worn :

Filter P2 (Solid and liquid particles) (DIN 3181)



9.- PHYSICAL AND CHEMICAL PROPERTIES:

Form :	Powder
Color :	Green or Orange
Odor :	Odorless
PH :	6-7
Melting Point :	>140°C
Explosive properties :	The material is not explosive
Solubility in water :	Insoluble
Solubility in solvents :	Insoluble
Density (20°C) :	1.7 gr/cm ³

10.- STABILITY AND REACTIVITY:

Conditions to avoid :

At temperatures above 400°C (750°F) in presence of air sulfur dioxide gas is released.
Hydrogen Sulfide may be released in contact with acids (not resistant grades).

11.- TOXICOLOGICAL INFORMATION

Non toxic products.

LD50 > 10gr/Kg (rats)
LC50 > 32000 mg/Kg (fish)

12.- ECOLOGICAL INFORMATION:

Fluorescent chalk powders pose no threat to the environment.

13.- DISPOSAL CONSIDERATION:

In accordance with local official regulations pass on to an appropriate waste dump. The product is not water-soluble and can thus be removed mechanically in suitable plants.

Empty packaging can be recycled.



14.- TRANSPORT INFORMATION:

Not classified as hazardous under transport regulations.

15- REGULATORY INFORMATION:

Fluorescent chalk powders are not classified as dangerous.

16.- OTHER INFORMATION:

Users/Distributors of our products must handle and store them according to existing regulations. These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.
