



Material Safety Data Sheet dated JAN.20, 2015, version 1

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

Trade name: CERAMIC COLOR

H.S. code: 3207 1000

Product type and use: INORGANIC CERAMIC COLOR

Manufactory information :

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

Al-Zn-Fe-Si

## 3. HAZARDS IDENTIFICATION

No specific hazards are encountered under normal product use.

## 4. FIRST AID MEASURES

Contact with skin:

Wash with plenty of water and soap.

Contact with eyes:

Wash immediately with water for at least 10 minutes.

Swallowing:

Induce vomiting. **SEEK A MEDICAL EXAMINATION IMMEDIATELY** and present the safety-data sheet.

A suspension of activated charcoal in water, or liquid paraffin may be administered.

Inhalation:

Ventilate the premises. The patient is to be removed immediately from the contaminated premises and made to rest in a well ventilated area. Should the patient feels unwell, **OBTAIN MEDICAL ATTENTION.**

## 5. FIRE-FIGHTING MEASURES

Recommended extinguishers:

Water, CO<sub>2</sub>, Foam, Chemical powders, according to the materials involved in the fire.

Extinguishers not to be used:

None in particular.

Risks arising from combustion:

Avoid inhaling the fumes.

Protective equipment:

Use protection for the respiratory tract.

## 6. ACCIDENTAL RELEASE MEASURES

Measures for personal safety:

Use gloves and protective clothing.

Environmental measures:



If the product has escaped into a water course, into the drainage system, or has contaminated the ground or vegetation, notify the competent authorities.

Cleaning methods:

If the product is in a liquid form, stop it from entering the drainage system.

After the product has been recovered, rinse the area and materials involved with water.

## 7. HANDLING AND STORAGE

Handling precautions:

Avoid contact and inhalation of the vapors. See, too, paragraph 8 below.

Do not eat or drink while working.

Incompatible materials:

None in particular.

Storage conditions:

Instructions as regards storage premises:

Adequately ventilated premises.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Precautionary measures:

Respiratory protection:

Not needed for normal use.

Protection for hands:

Not needed for normal use.

Eye protection:

Not needed for normal use.

Protection for skin:

No special precaution must be adopted for normal use.

Exposure limit(s) (ACGIH):

None.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and colour: blue powder

Odour: odorless

pH: n.a

Melting point: >800°C

Solubility in water: insoluble

Lipid solubility: insoluble

## 10. STABILITY AND REACTIVITY

Conditions to avoid:

Stable under normal conditions.

Substances to avoid:

None in particular.

Hazardous decomposition products: None.



#### 11. TOXICOLOGICAL INFORMATION

The product does not contain toxicologically relevant substances.

#### 12. ECOLOGICAL INFORMATION

Adopt good working practices, so that the product is not released into the environment.

#### 13. DISPOSAL CONSIDERATIONS

#### 14. TRANSPORT INFORMATION

Not classified as dangerous in the meaning of transport regulations.

#### 15. REGULATORY INFORMATION

DM 28/1/92, D.Lgs.3/2/1997 n.52, D.lgs. 16/7/1998 n. 285 **Classificazione, imballaggio ed etichettatura dei preparati pericolosi 88/379/EEC (Classification and Labelling):**

The preparation should not be considered as dangerous accordingly to dir. 88/379/EEC.

Where applicable, refer to the following regulatory provisions :

DPR 547/55 : "Norme per la prevenzione degli infortuni sul lavoro"

DPR 303/56 : "Norme generali per l'igiene sul lavoro"

DLgs. 277/91 : "Protezione dei lavoratori contro i rischi da esposizione ad agenti chimici, fisici e biologici"

Legge 319/76 : "Scarichi idrici"

Legge 132/92 : "Scarichi idrici"

DPR 175/88 : "Attività con rischi di incidenti rilevanti"

Legge 137/97 : "Modifiche al DPR 175/88"

DPR 203/88 : "Emissioni in atmosfera"

DLgs. 626/94 : "Sicurezza e salute sui luoghi di lavoro"

DLgs. 22/97 : "Attuazione direttive CEE sui rifiuti, sugli imballaggi e sui rifiuti di imballaggi"

#### 16. OTHER INFORMATION

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

ACGIH - Treshold Limit Values - 1993/94 edition

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.