

COLOROBRIA

Ufficio Sicurezza e Ambiente

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HOBBY CERAMICRAFT
ODIHAM ROAD, HECKFIELD HOOK,
HAMPSHIRE RG27OLS
GRAN BRETAGNA

April 18th, 2007

REF. : MATERIAL SAFETY DATA SHEET - DIR.2001/58/CE DIR.2004/73/CE

Dear Sirs,

In accordance to the regulations, enclosed herewith are the M.S.D.S. concerning the products you are purchasing from our Company.

These M.S.D.S. must be kept in your records, and are referred to the following products:

HST 004004.

Please return this letter to us duly signed and dated.

Best regards.

COLOROBRIA S.P.A.

MSDS DPT

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M A T E R I A L S A F E T Y D A T A S H E E T (M.S.D.S.)

1.0.1

IDENTIFICATION ELEMENTS

1.1

HC 0004 Glaze. Transparent Super Clear

1.1.1

Method of use:

decoration/glazing

1.2

PRODUCER/DISTRIBUTOR

COLOROBRIA S.P.A.

VIA A. GRAMSCI, 14

50056 Montelupo Fiorentino (FI)

Tel. ++39 0571 70 81 Fax. ++39 0571 708.800

1.3

Telephonic reference for urgent cases:

+39 0571 709 EXTENSION 565

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COMPOSITION - INFORMATION ON COMPONENT

2.1

The compound is made by frit (CAS 65997-18-4
EINECS 266-047-6) and clay substances

2.2

--- Calcium compounds, as Ca

N.CAS:

N.CE:

Concentr. range: 1,00 % -- 5,00 %

--- Aluminium compounds, as Al

N.CAS:

N.CE:

Concentr. range: 1,00 % -- 5,00 %

--- Boron compounds, as B

N.CAS:

N.CE:

Concentr. range: 1,00 % -- 5,00 %

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HAZARD IDENTIFICATION

This product is not classified as hazardous and does not show any risk to the health. It must be only used for ceramic purposes according to the instructions recommended in this material safety data sheet (MSDS). The product must be handled within the exposure limits established.

Higher exposure levels than the established limits may cause slight irritation and respiratory difficulties by inhalation.

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FIRST AID MEASURES

In case of :

Contact with skin: take off contaminated clothes and wash skin with soap and water.

If irritation persists see a doctor.

Contact with eyes : rinse with water keeping eyelids open for at least 15 min.

Inhalation : In case of inhalation of dried product, move the individual away from exposure zone and let the person breathe fresh air.

Ingestion : rinse-out the mouth and successively drink plenty of water.

In case of significant ingestion and/or inhalation, a specialist doctor should be seen and show the product label.

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FIREFIGHTING MEASURES



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The product is not combustible. No special fire precautions required.

6

ACTIONS IN CASE OF SPILLOVER

When gathering the material, be careful to avoid the creation of dust. In case of slurries, they are to be contained by means of absorption. Wear sufficient respiratory protection and gloves. Keep the product away from drainpipes.

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HANDLING AND STORAGE

7.0.1

7.1

Handling

The product is to be handled by professionally trained personnel, when spray application is necessary in finished ware production.

The working station must be provided with an adequate air extraction. Skin contact with product is to be avoided.

The product is to be handled by using the needed care in order to avoid dispersion in the working environment.

7.2

Storage

Keep the product away from food and beverage.

Keep properly closed containers in sheltered places.

8

EXPOSURE CONTROL - INDIVIDUAL PROTECTION

8.0.1

EXPOSURE CONTROL

Technical, organizational and procedural measures:

- Never use hazardous chemical agent in quantities greater than what the processing procedures require. If the materials awaiting processing contain hazardous chemical agents and are in a physical form that presents risk of introduction, they must not be accumulated in the workplace in quantities greater than the anticipated needs;

- install ventilation equipment or devices that decrease hazardous agents where practicable, locating them as close to the point of emission as possible.

- control operator exposure to hazards by means of agent measurement devices: in the event value limits are exceeded, implement suitable measures to identify the causes of the excess and how to prevent it in the future.

The following must be made available to the operators:

- appropriate work clothes;

- equipment to protect the respiratory tract, which should be used in procedures where powder-based products must be handled and during cleaning procedures;

- personal protection equipment to use only when there is not other way to prevent hazardous exposure.

Prepare emergency measures to implement in the event of abnormal exposure:

Sanitary measures and hygiene:

- Operator work clothes must be stored in an area away from the civilian clothing storage area.

Sanitary controls:

- when circumstances of absence of "moderate risk" prevail after conducting a hazard analysis.

- sanitary controls must be made before operator exposure and at regular intervals thereafter.

The product may contain hazardous substances; for those listed below we ask you to review the relative TLV.

8.1

Exposure limits

Calcium oxide [1305-78-8]

TLV-TWA = 2,00 mg/mc



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Aluminium oxide [1344-28-1]
TLV-TWA = 10,0 mg/mc as Al
Boron oxide [1303-86-2]
TLV-TWA = 10,00 mg/mc

8.1.1

RESPIRATORY TRACT PROTECTION

Face mask wearing is recommended when spraying by professional.

8.2

EYE PROTECTION

The use of safety glasses are recommended

HAND PROTECTION

The use of gloves are recommended

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CHEMICAL PHYSICAL PROPERTIES

9.1

Physical aspect

Aqueous suspension

9.2

Melting point/interval

Not applicable

9.3

Smell..... odorless
Point/Boiling interval..... n.a.
Flammability point..... n.a.
Flammability..... n.a.
Self-flammability..... n.a.
Explosive properties..... n.a.
Burning properties..... n.a.
Vapour pressure..... n.a.
Solubility water-solubility..... Practically insoluble.
Solubility lipo-solubility..... Practically insoluble.
n.a. = not applicable

9.3.1

pH = 7,5 - 9,5

Solubility data refers to the dry product.

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STABILITY AND REACTIVITY

Stable under normal use conditions.

The product does not react under normal working conditions.

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TOXICOLOGICAL INFORMATION

No specific data are given in the literature for this kind of products.

11.1

12

INFORMATION ON ECOLOGY

No data available to allow the evaluation of the environmental effect of this material.

As far as possible, the dispersion of this material into the environment, should be avoided.

12.1

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REMARKS ON DISPOSAL

Waste disposal must be in accordance with local, state and federal regulations.

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INFORMATION ON TRANSPORT

14.1

Not hazardous for the purposes of transportation.

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INFORMATION ON REGULATIONS

15.0.1

15.1

Labelling

CE 266-047-6

HC 0004 Glaze. Transparent Super Clear

15.1.1

15.2

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FURTHER INFORMATION

16.1.1

This product is a water and gum suspension which minimises any dust particles being created during its usual application by sponging, brushing or dipping.

This MSDS has been issued at the best of our knowledge and on the base of information available at the present time following A.C.G.I.H. - I.A.R.C. - N.O.H.S.C.

We do not assume nevertheless responsibilities for its possible incompleteness or inexactness.

ISSUE DATE OF SHEET : SEPTEMBER 2005

IT REPLACES THE PREVIOUS ISSUE OF : JANUARY 2003 by revision of paragraph 11 and by classification of quartz in respirable fraction.

April 18th, 2007