



## SAFETY DATA SHEET

### Ferritan Brown Manganese Ferrite

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

PRODUCT NAME Ferritan Brown Manganese Ferrite  
PRODUCT NO. FBRMF  
SYNONYMS, TRADE NAMES FM-2000  
SUPPLIER Elementis Pigments,  
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#### 2 COMPOSITION/INFORMATION ON INGREDIENTS

| Name                    | EC No.    | CAS-No.    | Content | Classification |
|-------------------------|-----------|------------|---------|----------------|
| Brown Manganese Ferrite | 235-049-9 | 12062-81-6 | 100%    | -              |

The Full Text for all R-Phrases are Displayed in Section 16

GROSS FORMULA  $MnO.Fe_2O_3$

COMPOSITION COMMENTS

Alternative CAS No. 75864-23-2

#### 3 HAZARDS IDENTIFICATION

Not regarded as a health or environmental hazard under current legislation.

#### 4 FIRST-AID MEASURES

GENERAL INFORMATION

Contaminated clothing should be removed and washed before being re-used.

INHALATION

Remove victim immediately from source of exposure. Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

INGESTION

Rinse mouth thoroughly with water. Victims who are not unconscious should drink large quantities of milk or water, or self induce vomiting (e.g. by sticking own finger into the throat). NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Get medical attention if any discomfort continues.

SKIN CONTACT

Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.

EYE CONTACT

Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

#### 5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Use fire-extinguishing media appropriate for surrounding materials. Use: Water spray, fog or mist. Foam. Carbon dioxide (CO<sub>2</sub>). Dry chemicals, sand, dolomite etc. The product is non-combustible.

SPECIAL FIRE FIGHTING PROCEDURES

No specific fire fighting procedure given.

UNUSUAL FIRE & EXPLOSION HAZARDS

No unusual fire or explosion hazards noted.

## Ferritan Brown Manganese Ferrite

### PROTECTIVE MEASURES IN FIRE

Wear self-contained breathing apparatus if this product is involved in a fire.

## 6 ACCIDENTAL RELEASE MEASURES

### PERSONAL PRECAUTIONS

Wear protective clothing if dust in the atmosphere is a problem.

### ENVIRONMENTAL PRECAUTIONS

Avoid washing into water courses. Avoid contaminating public drains or water supply.

### SPILL CLEAN UP METHODS

Avoid dust formation. Collect powder using special dust vacuum cleaner with particle filter or carefully sweep into closed container.

## 7 HANDLING AND STORAGE

### USAGE PRECAUTIONS

Avoid handling which leads to dust formation.

### STORAGE PRECAUTIONS

No special storage precautions noted.

### STORAGE CLASS

Unspecified storage.

## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

| Name                    | Std | LT - ppm | LT - mg/m3 | ST - ppm | ST - mg/m3 |
|-------------------------|-----|----------|------------|----------|------------|
| Brown Manganese Ferrite | NUI | -        | -          | -        | -          |

### INGREDIENT COMMENTS

NUI = Nuisance Dust.

The UK HSE guidance note EH40, recommends adequate control of exposure to dusts and where there is no indication of the need for a lower value, personal exposure should be kept below:-

8h TWA 10 mg/m3 total inhalable dust.

8h TWA 4 mg/m3 respirable dust

### PROTECTIVE EQUIPMENT



### PROCESS CONDITIONS

Use engineering controls to reduce air contamination to permissible exposure level. Provide eyewash station.

### ENGINEERING MEASURES

Provide adequate general and local exhaust ventilation.

### RESPIRATORY EQUIPMENT

No specific recommendation made, but protection against nuisance dust must be used when the general level exceeds 10 mg/m3.

### HAND PROTECTION

Use suitable protective gloves if risk of skin contact.

### EYE PROTECTION

Wear dust resistant safety goggles where there is danger of eye contact.

### OTHER PROTECTION

Wear appropriate clothing to prevent repeated or prolonged skin contact.

### HYGIENE MEASURES

No specific hygiene procedures noted, but good personal hygiene practices are always advisable, especially when working with chemicals . Change work clothing daily before leaving work place.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE                      Powder, dust

COLOUR                              Brown

## Ferritan Brown Manganese Ferrite

|                  |                    |
|------------------|--------------------|
| ODOUR            | Odourless          |
| SOLUBILITY       | Insoluble in water |
| RELATIVE DENSITY | 5.3 @ 20 °c        |

### 10 STABILITY AND REACTIVITY

#### STABILITY

No particular stability concerns.

#### CONDITIONS TO AVOID

Not known.

#### MATERIALS TO AVOID

No incompatible groups noted.

#### HAZARDOUS DECOMPOSITION PRODUCTS

No hazardous decomposition products.

### 11 TOXICOLOGICAL INFORMATION

#### GENERAL INFORMATION

No specific health warnings noted.

#### INHALATION

No specific health warnings noted.

#### INGESTION

No specific health warnings noted.

#### SKIN CONTACT

Powder may irritate skin.

#### EYE CONTACT

May cause irritation.

#### OTHER HEALTH EFFECTS

This substance has no evidence of carcinogenic properties.

#### MEDICAL SYMPTOMS

Prolonged or repeated exposure may cause: Skin irritation. Irritation of eyes and mucous membranes.

### 12 ECOLOGICAL INFORMATION

#### ECOTOXICITY

Not regarded as dangerous for the environment.

### 13 DISPOSAL CONSIDERATIONS

#### DISPOSAL METHODS

Recover and reclaim or recycle, if practical. Contact specialist disposal companies. Dispose of waste and residues in accordance with local authority requirements.

### 14 TRANSPORT INFORMATION

#### GENERAL

Not classified as dangerous for transport purposes.

No transport warning sign required.

#### ROAD TRANSPORT NOTES

Not classified as dangerous for road transport.

#### RAIL TRANSPORT NOTES

Not classified as dangerous for rail transport.

#### SEA TRANSPORT NOTES

Not classified as dangerous for sea transport.

#### AIR TRANSPORT NOTES

Not classified as dangerous for air transport.

#### UN NO. ROAD

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### 15 REGULATORY INFORMATION

#### RISK PHRASES

NC

Not classified.

## Ferritan Brown Manganese Ferrite

### SAFETY PHRASES

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Safety data sheet available for professional user on request.

### UK REGULATORY REFERENCES

Chemicals (Hazard Information & Packaging) Regulations 1996.

### EU DIRECTIVES

Dangerous Substance Directive 67/548/EEC. Dangerous Preparations Directive 1999/45/EC.

### GUIDANCE NOTES

UK HSE guidance note EH40, Workplace Exposure Limits.

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## 16 OTHER INFORMATION

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### GENERAL INFORMATION

See technical literature for details of suitable applications of this product.

### REVISION COMMENTS

Directive 2001/58/EC

REV. NO./REPL. SDS GENERATED 2/01-2003

SDS NO. FBRMF

DATE 12/04/06

### RISK PHRASES IN FULL

NC Not classified.