



# SAFETY DATA SHEET

## M.F. 10/1 Flux – Drum Dried

### Section 1: Identification of the substance/preparation and the company

#### 1.1 Product Identifier:

Product name: M.F. 10/1 Flux – Drum Dried  
 CAS No. 14808-60-7  
 Product code 238-878-4

#### 1.2 Applications

Identified uses: Component used in the formulation of ceramic frits glazes and inorganic pigments used for the manufacture of tableware and sanitary ware and other ceramic articles.

#### 1.3 Details of the supplier of the safety data sheet

**Company:** RICHARD BAKER HARRISON LTD  
**Address:** Marsh Trees House  
 Marsh Parade  
 Newcastle Under Lyme  
 Staffordshire  
 ST5 1BT  
**Tel:** +44 (0) 1782 622666  
**Fax:** +44 (0) 1782 622655  
**E-mail:** [sales@rbhltd.com](mailto:sales@rbhltd.com)

#### 1.4 Emergency telephone number:

Office Hours: +44 (0) 1782 622666

### Section 2: Hazards Identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) 1272/2008 (EU 'CLP' regulation)

Health hazards STOT RE 2 - H373

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not Classified

##### Classification according to Directive 67/548/EEC or 1999/45/EC

Not Classified

##### Adverse physicochemical, human health and environmental effects

Not Classified

#### 2.2. Label elements

##### Labelling according to Regulation (EC) 1272/2008 (EU 'CLP' regulation)

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Hazard pictogram



Signal word

WARNING

Hazard statement

H373 May cause damage to organs through prolonged or repeated exposure if inhaled

Precautionary statements

P270 Do not eat, drink or smoke when using this product.

P261 Avoid breathing dust or mist.

### 2.3. Other hazards

## Section 3: Composition and Information on Ingredients

### 3.1. Substances

Name	CAS No	EC Number	%	Classification (Regulation (EC) 1272/2008)
Fine Fraction Crystalline Silica	14808-60-7	238-878-4	5 - 10%	STOT RE 1 - H372

## Section 4: First-aid measures

### 4.1. Description of first aid measures

#### General advice

#### Inhalation

Move exposed person to fresh air immediately and seek medical attention if discomfort continues.

#### If swallowed

Do not induce vomiting. Give a few small glasses of water or milk to drink. Never give anything by mouth to an unconscious person. Get medical attention if any discomfort continues.

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#### Skin contact

Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing.

#### Eye contact

Rinse with water. Get medical attention if any discomfort continues.

#### 4.2. Most important symptoms and effects, both acute and delayed

No data available.

#### 4.3. Indication of any immediate medical attention and special treatment needed

No data available.

### Section 5: Fire-fighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media Use fire-extinguishing media suitable for the surrounding fire.

#### 5.2. Special hazards arising from the substances or mixture

Specific hazards Dust may form explosive mixture with air. No unusual fire or explosion hazards noted.

#### 5.3. Advice for fire fighters

Use protective equipment appropriate for surrounding materials.

### Section 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

##### General measures

##### For non-emergency personnel

Personal precautions Wear protective clothing as described in Section 8 of this safety data sheet.

##### For emergency responders

Personal precautions Wear protective clothing as described in Section 8 of this safety data sheet.

#### 6.2. Environmental precautions

Avoid spreading dust or contaminated materials.

#### 6.3. Methods and material for containment and cleaning up

Remove spillage with vacuum cleaner. If not possible, collect spillage with shovel, broom or the like.

#### 6.4. Reference to any other sections

N/a

### Section 7: Handling and storage

#### 7.1. Precautions for safe handling

Do not eat, drink or smoke when using the product. Good personal hygiene procedures should be implemented. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site.

#### 7.2. Conditions for safe storage, including any incompatibilities

Store in tightly-closed, original container. Keep container dry.

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#### 7.3. Specific end use(s)

N/A

### Section 8: Exposure controls/Personal protection

#### 8.1. Control parameters

Occupational exposure limits

Fine Fraction Crystalline Silica

Long-term exposure limit (8-hour TWA): WEL 0.1 mg/m<sup>3</sup>

WEL = Workplace Exposure Limit

#### 8.2. Exposure controls

##### Appropriate Engineering controls

Provide adequate general and local exhaust ventilation. Observe any occupational exposure limits for the product or ingredients.

##### Personal protective equipment

Protective equipment



Respiratory Protection:

No specific recommendations. Protection against nuisance dust must be used when the airborne concentration exceeds 10 mg/m<sup>3</sup>.

Eye/ face protection:

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Dust-resistant, chemical splash goggles.

Hand Protection:

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.

Hygiene measures

Wash hands at the end of each work shift and before eating, smoking and using the toilet.

### Section 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemicals properties

Appearance

Powder.

Odour

Odourless.

pH

Not determined.

Melting point

> 600°C

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Flash point	Not applicable.
Evaporation rate	Not applicable.
Vapour density	Not relevant.
Bulk density	Not determined.
Solubility(ies)	Insoluble in water.
Explosive properties	Not applicable.
Oxidising properties	Not applicable.

#### 9.2. Other information

### Section 10: Stability and reactivity

#### 10.1. Reactivity

There are no known reactivity hazards associated with this product.

#### 10.2. Chemical stability

Stable at normal ambient temperatures and when used as recommended.

#### 10.3. Possibility of hazardous reactions

Not relevant.

#### 10.4. Conditions to avoid

Not known.

#### 10.5. Incompatible materials

No specific material or group of materials is likely to react with the product to produce a hazardous situation.

#### 10.6. Hazardous decomposition products

Not known.

### Section 11: Toxicological information

#### 11.1 Information on toxicological effects

##### (a) Acute toxicity

No harmful effects expected from quantities likely to be ingested by accident.

##### (b) Skin corrosion/irritation

Prolonged contact may cause redness, irritation and dry skin.

##### (c) Serious eye damage/ eye irritation

May cause temporary eye irritation.

##### (d) Respiratory or skin sensitisation

Prolonged inhalation of high concentrations may damage respiratory system.

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(e) Germ cell mutagenicity	Not classified.
(f) Carcinogenicity	Not classified.
(g) Reproductive toxicity	Not classified.
(h) Specific target organ toxicity – Single exposure	Not classified
(i) Specific target organ toxicity – Repeated exposure	Respiratory system, lungs
(j) Aspiration hazard	Not classified

#### Section 12: Ecological information

##### 12.1. Toxicity

There is no data on the Ecotoxicity of this product.

##### 12.2. Persistence and biodegradability

No information available as to the persistence and degradability of this product.

##### 12.3. Bioaccumulative potential

Not available.

##### 12.4. Mobility in soil

Not available.

##### 12.5. Results of PBT and vPvB assessment

Not available.

##### 12.6. Other adverse effects

Not available.

#### Section 13: Waste disposal information

##### 13.1. Waste treatment methods

General information      When handling waste, the safety precautions applying to handling of the product should be considered.

Disposal methods      Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

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#### Section 14: Transport information

General                      The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

14.2. UN proper shipping name

14.3. Transport hazard class(es)

14.4. Packaging group

14.5. Environmental hazards

14.6. Special precautions for user

14.6.1. Overland transport

14.6.2. Transport by sea

14.6.3. Air transport

14.6.4. Inland waterway transport

14.6.5. Rail transport

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and IBC Code

#### Section 15: Regulatory information

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Guidance                      Workplace Exposure Limits EH40.

Safety Data Sheets for Substances and Preparations.

**15.1.1. EU-Regulations**

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended)

**15.1.2. National regulations**

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).

Control of Substances Hazardous to Health Regulations 2002 (as amended).

**15.2. Chemical safety assessment**

#### Section 16: Additional information

Other information:

Revision Date:                      5/10/2015

Hazard statements in full                      H372 Causes damage to organs (Respiratory system, lungs) through prolonged or repeated exposure if inhaled.

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