

# **SAFETY DATA SHEET- POTASH FELDSPAR**

According to regulation (EC) No 2020/878

## **Section 1: Identification of the substance/mixture and of the company/undertaking**

### 1.1 Product Identifier

Potash Feldspar

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

#### Use of the substance/mixture

Primarily used as a high temperature flux in both clay bodies and glaze preparation.

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

Valentine Clays LTD

Valentine Way

Stoke on Trent

ST4 2FJ

t: +44 (0)1782 271200

e: sales@valentineclays.co.uk

w: www.valentineclays.co.uk

### 1.4 Emergency Telephone Number

+44 (0)1782 271200

## **Section 2: Hazards Identification**

### 2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Specific target organ toxicity- repeated exposure, Category 2, Lungs

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

### 2.2 Label Elements



WARNING

#### Hazard Statements:

H373 - May cause damage to organs (lungs) through prolonged or repeated exposure if inhaled.

#### Precautionary Statements:

P260 - Do not breathe dust.

P314 – Get medical advice/attention if you feel unwell.

P501 - Dispose of contents/containers to an approved waste disposal plant.

### 2.3 Other Hazards

This substance/mixture contains no components considered to be either persistent, bio accumulative and toxic (PBT), or very persistent and very bio accumulative (vPvB) at levels of 0.1% or higher.

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## Section 3: Composition/information on ingredients

### 3.1 Substances

Chemical Name	CAS No EC No	Classification (REGULATION (EC) No 1272/2008)	Concentration (%)
Feldspar- group minerals with 1<%RCS<10	68476-25-5 270-666-7	STOT RE2; H373	< =50 - < =100

## Section 4: First Aid Measures

### 4.1 Description of first aid measures

General Advice- Do not leave the victim unattended.

After Inhalation- If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

After Ingestion- Clean mouth with water and drink afterwards plenty of water. Keep respiratory tract clear. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

After Eye Contact- Flush eyes with water as a precaution. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.

After Skin Contact- Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water.

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

Symptoms- None Known.

Risks- May cause damage to organs through prolonged or repeated exposure if inhaled.

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

Treatment- The first aid procedure should be established in consultation with the doctor responsible for industrial medicine.

## Section 5: Firefighting Measures

### 5.1 Extinguishing Media

#### Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

#### Unsuitable Extinguishing Media

High volume water jet.

### 5.2 Special Hazards arising from the substance mixture

Hazardous Combustion Products- No hazardous combustion products are known

### 5.3 Advice for firefighters

Special protective equipment for firefighters- In the event of fire, wear self-contained breathing apparatus.

Further information- Standard procedure for chemical fires. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

## Section 6: Accidental Release Measures

### 6.1 Personal Precautions, protective equipment and emergency procedures

Avoid dust formation. No conditions to be specially mentioned.

### 6.2 Environmental Precautions

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No special environmental precautions required.

## 6.3 Methods and material for containment and cleaning up

Pick up and arrange disposal without creating dust. Sweep up with shovel. Keep in suitable, closed containers for disposal.

## 6.4 Reference to other sections

Not specified.

## Section 7: Handling and Storage

### 7.1 Precautions for safe handling

#### Advice of Safe Handling

For personal protection see section 8. No special handling advice required. Smoking, eating and drinking should be prohibited in the application area.

#### Advice on protection against fire and explosion

Avoid dust formation. Provide appropriate exhaust ventilation at places where dust is formed.

#### Hygiene Measures

General industrial hygiene practice.

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

#### Requirements for storage areas and containers

Keep container tightly closed in a dry and well-ventilated place. Electrical installations / working materials must comply with the technological safety standards.

#### Advice on Common Storage

No special restrictions on storage with other products. No materials to be especially mentioned.

#### Other Data

Keep in a dry place. No decomposition if stored and applied as directed.

### 7.3 Specific end use(s)

Consult the technical guidelines for the use of this.

## Section 8: Exposure Controls/ Personal Protection

### 8.1 Control Parameters

#### Occupational Exposure Limits

Components	CAS No	Value Type (Form of exposure)	Control Parameters	Expressed as	Basis
Feldspar-group minerals with 1<%RCS<10	68476-25-5	TWA (Respirable Dust)	0,1 mg/m <sup>3</sup> (Silica)	Silica	GB EH40
Further Information	For the purposes of these limits, respirable dust and inhalable dust are those fractions of airborne dust which will be collected when sampling is undertaken in accordance with the methods described in MDHS14/3 General methods for sampling and gravimetric analysis of respirable and inhalable dust, The COSHH definition of a substance hazardous to health includes dust of any kind when present at a concentration in air equal to or greater than 10 mg.m-3 8-hour TWA of inhalable dust or 4 mg.m-3 8-hour TWA of respirable dust. This means that any dust will be subject to COSHH if people are exposed above these levels. Some dusts have been assigned specific WELs and exposure to these must comply with the appropriate limit., Most industrial dusts contain particles of a wide range of sizes. The behaviour, deposition and fate of any particular particle after entry into the human respiratory system and the body response that it elicits, depend on the nature and size of the particle. HSE distinguishes two size fractions for limit-setting purposes termed 'inhalable' and 'respirable', Inhalable dust approximates to the fraction of airborne material that enters the nose and mouth				

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during breathing and is therefore available for deposition in the respiratory tract. Respirable dust approximates to the fraction that penetrates to the gas exchange region of the lung. Fuller definitions and explanatory material are given in MDHS14/3., Where dusts contain components that have their own assigned WEL, all the relevant limits should be complied with., Where no specific short-term exposure limit is listed, a figure three times the long-term exposure should be used.

## 8.2 Exposure Controls

### Engineering Measures

No Data Available

### Personal Protective Equipment

Eye Protection- Safety Glasses.

Hand Protection- For prolonged or repeated contact use protective gloves.

Skin and Body Protection- Protective suit

Respiratory Protection- No personal respiratory protective equipment normally required.

### Protective Measures

Wear suitable protective equipment. When using do not eat, drink or smoke.

## Section 9: Physical and Chemical Properties

### 9.1 Information on basic physical and chemical properties

#### General Information

Appearance- powder

Colour- various

Odour- Odourless

Odour Threshold- No data available

pH- 6 - 8

Melting point/range- 1.400 - 1.500 °C

Boiling point/boiling range- Not applicable

Flash point- Not applicable

Evaporation rate- Not applicable

Flammability (solid, gas)- No data available

Burning rate- No data available

Auto-ignition temperature- No data available

Upper explosion limit- No data available

Lower explosion limit- Not applicable

Vapour pressure- No data available

Relative vapour density- Not applicable

Relative density- No data available

Bulk density- No data available

Solubility(ies) Water solubility- No data available

Solubility in other solvents- No data available

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Partition coefficient: n octanol/water- No data available

Decomposition temperature- No data available

Viscosity (Viscosity, kinematic)- Not applicable

Explosive properties- No data available

Oxidizing properties- Not applicable

### **9.2 Other Information**

Refractive Index- Not applicable.

## **Section 10: Stability and Reactivity**

### **10.1 Reactivity**

Stable under recommended storage conditions.

### **10.2 Chemical Stability**

No decomposition if stored and applied as directed.

### **10.3 Possibility of Hazardous Reactions**

Hazardous reactions- No hazards to be specially mentioned.

### **10.4 Conditions to Avoid**

Conditions to avoid- No data available

### **10.5 Incompatible Materials**

### **10.6 Hazardous Decomposition Products**

## **Section 11: Toxicological Properties**

### **11.1 Information on toxicological effects**

#### **Acute Toxicity**

Not classified based on available information.

#### **Skin Corrosion/Irritation**

Not classified based on available information.

#### **Serious Eye Damage/Irritation**

Not classified based on available information.

#### **Respiratory or Skin Sensitisation**

Skin sensitisation: Not classified based on available information. Respiratory sensitisation: Not classified based on available information.

#### **Product Remarks- No data available**

#### **Germ cell mutagenicity**

Not classified based on available information.

#### **Carcinogenicity**

Not classified based on available information.

#### **Reproductive toxicity**

Not classified based on available information.

#### **STOT - single exposure**

Not classified based on available information.

#### **STOT - repeated exposure**

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May cause damage to organs (Lungs) through prolonged or repeated exposure if inhaled.

### Aspiration toxicity

Not classified based on available information.

Product Remarks- No data available

## Section 12: Ecological Information

### 12.1 Toxicity

No data available

### 12.2 Persistence and degradability

Feldspar-group minerals with 1<%RCS<10

Biodegradability- No data available

### 12.3 Bio accumulative potential

Feldspar-group minerals with 1<%RCS<10

Bioaccumulation- No data available

### 12.4 Mobility in soil

Feldspar-group minerals with 1<%RCS<10

Distribution among environmental compartments- No data available

### 12.5 Results of PBT and vPvB assessment

Assessment- This substance/mixture contains no components considered to be either persistent, bio accumulative and toxic (PBT), or very persistent and very bio accumulative (vPvB) at levels of 0.1% or higher.

### 12.6 Other adverse effects

Additional ecological information- Remarks: No data available There is no data available for this product.

## Section 13: Waste Disposal

### 13.1 Waste treatment methods

Product- Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated Packaging- Empty remaining contents. Empty containers should be taken to an approved waste handling site for recycling or disposal.

## Section 14: Transport Information

### 14.1 UN number

Not regulated as a dangerous good.

### 14.2 UN proper shipping name

Not regulated as a dangerous good.

### 14.3 Transport hazard class(es)

Not regulated as a dangerous good.

### 14.4 Packaging group

Not regulated as a dangerous good.

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### **14.5 Environmental hazards**

Not regulated as a dangerous good.

### **14.6 Special precautions for user**

Not classified as dangerous in the meaning of transport regulations.

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

Not applicable for product as supplied.

## **Section 15: Regulatory Information**

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

#### **International Chemical Weapons Convention (CWC) Schedules of Toxic Chemicals and Precursors-**

Neither banned nor restricted

#### **REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII)**

Neither banned nor restricted

#### **Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals**

Neither banned nor restricted

#### **REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59).**

This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57).

#### **REACH - List of substances subject to authorisation (Annex XIV)**

Neither banned nor restricted

#### **Regulation (EC) No 1005/2009 on substances that deplete the ozone layer**

Neither banned nor restricted

#### **Regulation (EC) No 850/2004 on persistent organic pollutants**

Neither banned nor restricted

#### **Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.**

Not applicable

### **The components of this product are reported in the following inventories**

EINECS (European Union)- On the inventory, or in compliance with the inventory

SWISS (Switzerland)- On the inventory, or in compliance with the inventory

TSCA (United States)- On TSCA Inventory

DSL/NDSL (Canada)- This product contains components listed on the Canadian NDSL. All other components are on the Canadian DSL.

AICS (Australia)- On the inventory, or in compliance with the inventory

NZioC (New Zealand)- On the inventory, or in compliance with the inventory

ENCS (Japan)- On the inventory, or in compliance with the inventory

ISHL (Japan)- Not in compliance with the inventory

KECI (Korea)- On the inventory, or in compliance with the inventory

PICCS (Philippines)- On the inventory, or in compliance with the inventory

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IECSC (China)- On the inventory, or in compliance with the inventory

TCSI (Taiwan)- On the inventory, or in compliance with the inventory

CICR (Turkey)- On the inventory, or in compliance with the inventory

INSQ (Mexico)- On the inventory, or in compliance with the inventory

### **15.2 Chemical safety assessment**

No data available.

### **Section 16: Other Information**

This data sheet is provided under CLP and REACH Regulation and is not intended to constitute an assessment of workplace risk associated with product(s) used as required under any other Health and Safety Regulation.

Workers must be informed of the presence of crystalline silica and trained in the proper use and handling of this product as required under applicable regulations.

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