

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product Name	Spodumene
Product No.	P3357
Chemical Name	Lithium Aluminium-Silicate
CAS No.	14808-60-7

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

Identified uses	For use as flux in the ceramic glazes and bodies.
Uses Advised Against	This product must only be used for the purpose(s) specified above.

1.3. Details of the supplier of the safety data sheet

Supplier:	PotteryCrafts Limited Campbell Road Stoke Stoke-on-Trent Staffordshire UK ST4 4ET Tel: 0044 (0) 1782 7450000 (9.30 - 15.30 Monday - Friday) sales@potteryCrafts.co.uk
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1.4. Emergency telephone number

0(44) 1782 745000 (8:30am to 16:30pm, Monday to Friday)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical and Chemical Hazards	Not classified.
Human health	Not classified.

Classification (1999/45/EEC)

Not classified.

Human Health

See section 11 for additional information on health hazards.

Environment

The product is not expected to be hazardous to the environment.

2.2. Label elements

Label In Accordance With (EC) No. 1272/2008

Not classified.

Supplemental Label Information (EU)

EUH210

Safety data sheet available on request.

2.3. Other hazards

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

2.

Quartz (respirable crystalline silica)

4-6%

CAS-No.: 14808-60-7

EC No.: 238-878-4

Classification (EC 1272/2008)

Classification (67/548/EEC)

STOT Rep. 2 - H373

Xn;R48/20

The Full Text for all R-Phrases and Hazard Statements is Displayed in Section 16

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation.

Move the exposed person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.

Ingestion

Immediately rinse mouth and provide fresh air. Get medical attention if any discomfort continues.

Skin Contact

Rinse with water. Contact physician if discomfort continues.

Eye Contact

Make sure to remove any contact lenses from the eyes before rinsing. 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.

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

General Information

The severity of the symptoms described will vary dependant of the concentration and the length of exposure.

Inhalation.

No specific symptoms noted.

Ingestion

No specific symptoms noted.

Skin Contact

No specific symptoms noted.

Eye Contact

May cause temporary eye irritation.

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

No specific first aid measures noted.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing Media

This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

5.2. Special hazards arising from the substance or mixture

Hazardous Combustion Products

Not known.

5.3. Advice for firefighters

Special Fire Fighting Procedures

No specific fire fighting procedure given.

Protective Measures In Fire

Wear full protective clothing.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

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

6.2. Environmental precautions

Collect and dispose of spillage as indicated in section 13.

6.3. Methods and material for containment and cleaning up

Avoid generation and spreading of dust. Shovel into dry containers. Cover and move the containers. Flush the area with water.

3.

6.4. Reference to other sections

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid spilling, skin and eye contact. Avoid handling which leads to dust formation.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container.

Storage Class

Unspecified storage.

7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Name	STD	TWA - 8 Hrs	STEL - 15 Min	Notes
Quartz (respirable crystalline silica)	WEL	0.1mg/m ³		

WEL = Workplace Exposure Limit.

Ingredient Comments

WEL = Workplace Exposure Limits

8.2. Exposure controls

Engineering Measures

Provide adequate ventilation. Observe occupational exposure limits and minimize the risk of inhalation of dust.

Respiratory Equipment

Use respiratory equipment with particle filter, type P3. or Supplied-air respirator with full face-piece, helmet or hood.

Hand Protection

For prolonged or repeated skin contact use suitable protective gloves.

Eye Protection



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

Hygiene Measures

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

Skin Protection

Wear apron or protective clothing in case of contact.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Granular Powder, dust
Colour	White / off-white
Odour	No characteristic odour.
Solubility	Insoluble in water

9.2. Other information

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

There are no known reactivity hazards associated with this product.

4.

10.2. Chemical stability

Stable under normal temperature conditions.

10.3. Possibility of hazardous reactions

Not applicable.

10.4. Conditions to avoid

Avoid excessive heat for prolonged periods of time.

10.5. Incompatible materials

Materials To Avoid

No incompatible groups noted.

10.6. Hazardous decomposition products

No hazardous decomposition products.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Inhalation



This powder or suspension contains a proportion of respirable crystalline silica, although not sufficient to classify the product. Products which contain crystalline silica (quartz) may be hazardous if the silica is finely divided. Inhalation of respirable sized crystalline silica over a prolonged period of time can result in damage to lung tissue and impaired pulmonary function. Avoid Inhalation of dust.

Ingestion.

May cause discomfort if swallowed.

Skin Contact

Powder may irritate skin.

Eye Contact

Particles in the eyes may cause irritation and smarting.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:

Not regarded as dangerous for the environment.

12.1. Toxicity

Acute Fish Toxicity

Not considered toxic to fish.

12.2. Persistence and degradability

Degradability:

This product mainly consists of inorganic compounds which are not biodegradable. The remaining substances of the product are expected to be not readily biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative Potential:

The product does not contain any substances expected to be bioaccumulating.

12.4. Mobility in soil

Mobility:

Not considered mobile.

12.5. Results of PBT and vPvB assessment

No information

12.6. Other adverse effects

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements.

Waste Class

This material as supplied can be disposed of under the following classification:

SECTION 14: TRANSPORT INFORMATION

General

This product is not classified as dangerous for conveyance.

Road Transport Notes

Not Classified

Campbell Road - Stoke on Trent, ST4 4ET - United Kingdom Tel: +44 (0)1782 745000 - Web: www.pottery crafts.co.uk ;

Rail Transport Notes	Not classified.
Sea Transport Notes	Not classified.
Air Transport Notes	Not classified.

14.1. UN number

No information required.

5.

14.2 UN Proper shipping name

No information required.

14.3 Transport hazard class(es)

No information required.

14.4. Packing group

No information required.

14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant

No.

14.6. Special precautions for user

No information required.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

No information required.

SECTION 15: REGULATORY INFORMATION

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

Uk Regulatory References

The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments.

Environmental Listing

No listing noted.

Approved Code Of Practice

Safety Data Sheets for Substances and Preparations.

Guidance Notes

In the UK the following HSE (www.hse.gov.uk) guidance note applies Workplace Exposure Limits EH40.

EU Legislation

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

Health And Environmental Listings

None of the ingredients are listed.

Water Hazard Classification

N/A.

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

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SECTION 16: OTHER INFORMATION

General Information

Only trained personnel should use this material.

Information Sources

Sources of key data:

HSE website <http://www.hse.gov.uk/>

Guidance Note EH40 Workplace Exposure Limits.

Raw material suppliers Material Safety Data Sheets

ESIS website <http://ecb.jrc.ec.europa.eu/esis/>

REACH regulations particularly Article 31 and Annex II

Revision Date 10/10/2025

Revision 3

Supersedes Date 01/03/2015

Risk Phrases In Full

R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.

Hazard Statements In Full

H373 May cause damage to organs <<Organs>> through prolonged or repeated exposure.

Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.