

SAFETY DATA SHEET- ES950 (Airdrying)

According to regulation (EC) No 2020/878

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

1.1 Product Identifier

Valentine Clays ES950- Airdrying Clay

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

Use of the substance/mixture

To create ceramic objects.

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 Health Hazard Identification

As supplied in the pugged form, the products do not present significant health hazard. If the product is allowed to dry, any powder product generated in the hazardous to health by inhalation. Excessive and repeated inhalation of quartz over a prolonged period can cause chronic lung damage. Product in the plastic form is not classified as dangerous for labelling purposes (UK regulations).

2.2 Label Elements

ES950 Air Drying Clay – CAS No. 1332-58-7



WARNING STOT RE2

Hazard Statements:

H373- May cause damage to lungs through prolonged or repeated exposure by inhalation.

Precautionary Statements:

P260- Do not breathe dust

P285- In case of inadequate ventilation, wear respiratory protection.

P501- Dispose of contents/containers in accordance with local regulations.

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Section 3: Composition/information on ingredients

3.1 Clay Mixture

<u>Component</u>	<u>CAS</u>	<u>EINECS</u>	<u>% Composition</u>
Crystalline Silica	14808-60-7	2388784	<50%

3.2 Nylon Fibres

<u>Component</u>	<u>CAS</u>	<u>EINECS</u>	<u>% Composition</u>
Poly (Hexamethylenediamine)	32131-17-2	-	>98%
Polycaprolactam; Poly[Min(1-oxo-1,6- Hexanedyl)]	25038-54-4	-	>98%
Oil/Spin Finish	-	-	<2%

Section 4: First Aid Measures

4.1 Description of first aid measures

After Inhalation- Remove person from source of exposure. Move to fresh air and keep at rest. Seek medical attention if any discomfort continues.

After Ingestion- Immediately rinse mouth and drink plenty of water (200-300ml). Provide rest, warmth and fresh air. Seek medical attention if discomfort continues and DO NOT INDUCE VOMITTING.

After Eye Contact- Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Seek medical attention if any discomfort continues.

After Skin Contact- Material is not hazardous to skin. However, if molten/burning material comes into contact with skin, skin should be cooled using cold water but not peeled off. Seek medical attention.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

Section 5: Firefighting Measures

5.1 Extinguishing Media

Suitable extinguishing media

Extinguish with water, carbon dioxide or dry powder.

Extinguishing media that must not be used for safety reasons

None known.

5.2 Special Hazards arising from the substance mixture

In the event of fire, the product may emit harmful fumes

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.5.3 Advice for firefighters

Protective Equipment

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Additional Information

No further relevant information available.

Section 6: Accidental Release Measures

6.1 Personal Precautions, protective equipment and emergency procedures

Follow precautions for safe handling described in this safety data sheet. Avoid inhalation of vapours. Provide adequate ventilation and respiratory protective equipment.

6.2 Environmental Precautions

Spillages or uncontrolled discharges into watercourses must be immediately alerted to the environmental agency or other appropriate regulatory body.

6.3 Methods and material for containment and cleaning up

Avoid creating dust. Use suitable vacuum equipment where reasonably practicable, otherwise damp down and scoop into a receptacle. Prevent it from entering water courses and drains. Spillages of slop material should be removed with copious amounts of water to factory drainage system.

Section 7: Handling and Storage

7.1 Precautions for safe handling

Advice of Safe Handling

Spillage should be prevented during transfer operations and precautions taken to prevent splashing to body and eyes. When handling all materials observe good standards of industrial hygiene. Avoid swallowing, inhaling dust and eye/skin contact through the use of personal protective equipment. When dry material has to be handled, dust masks with normal protection factor (NPF) of 10 (EN149) should be worn. When using do not eat, drink or smoke. Wash hands before breaks and after work. Do not leave children unattended whilst using the product.

Advice on protection against fire and explosion

No special measure required.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep packaging tightly closed. Keep out of reach of children. Slop material should be agitated during storage to prevent settling, Keep out of reach of children.

Further Information on Storage Requirements

No special requirements.

7.3 Specific end use(s)

No further relevant information available.

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Section 8: Exposure Controls/ Personal Protection

8.1 Control Parameters

Exposure Limits

<u>CAS No</u>	<u>Substance</u>	<u>ppm</u>	<u>mg/m³</u>	<u>Fibres/ml</u>	<u>Category</u>	<u>Origin</u>
14808-60-7	Quartz (respirable crystalline silica)	-	0.1	-	TWA (8 hours)	WEL
		-	-	-	STEL (15 mins)	WEL
32131-17-2	Nylon	-	10-3		TWA (8 hours)	WEL
		-	15/5		STEL (15 mins)	WEL

Additional Information

Silica only becomes airborne when the product is cured and powdered.

8.2 Exposure Controls

Occupational Exposure Controls

Dry materials should be used under conditions of local exhaust ventilation to avoid inhalation of dust. Adequate ventilation should be provided so that Occupational Exposure Limits are not exceeded. Local Exhaust Ventilation is preferable to personal protection. Gloves and protective glasses must be worn.

Protective and Hygiene Measures

Use protective gloves. If ventilation is insufficient, suitable respiratory protection must be provided. Goggles and face shields are recommended. Wear rubber apron and rubber footwear. Keep away from foodstuffs, beverages and feed. Remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Other than suitable protective clothing, no special controls are needed in the case of slop or plastic materials other than cleaning away any spillages before they dry out.

Section 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

General Information

Form- Solid with texturized soft fibres

Colour- White

Odour- Odourless

pH- N/A

Changes in the physical state

Flash Point- Not Applicable

Melting Point- >210

Boiling Point- No data available

Evaporation Rate- No data available

Flammability- Not Applicable

Solubility- Insoluble

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Oxidising Properties- Not oxidising

Burn Rate- No data available

9.2 Chemical Stability

Not decomposition if stored normally.

9.3 Conditions to avoid

Avoid excessive heat for prolonged periods of time.

9.4 Materials to avoid

None known.

Section 10: Stability and Reactivity

10.1 Stability- Stable under normal temperature conditions and recommended use.

10.2 Reactivity- Un-reactive under normal conditions.

Section 11: Toxicological Properties

11.1 Inhalation

Vapours and particles may irritate throat and respiratory system and cause coughing. Drying out of product will permit respirable particles of crystalline silica to become airborne with the risk of inhalation in lungs.

11.2 Ingestion

No known toxic effects on ingestion.

11.3 Skin Contact

Mild irritant to skin.

11.4 Eye Contact

Irritation of eyes.

Section 12: Ecological Information

LC50, 96 Hrs, FISH mg/l N/A

EC50 48 Hrs, DAPHNIA, mg/l N/A

12.1 Toxicity

Material is extremely inert, being resistant to decomposition by weathering, biological activity and further oxidation. Large aquatic discharges may lead to localised physical effects to aquatic organisms due to suspension of the material in water and silting.

12.2 Mobility

The product is not soluble in water.

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12.3 Degradability

The product is not expected to be biodegradable.

Section 13: Waste Disposal

13.1 General Information

Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority.

13.2 Disposal Methods

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

Section 14: Transport Information

Product is not restricted. Proper shipping name- Nylon Fibre

Section 15: Regulatory Information

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

Classification for Supply

Slop Material- Warning

Pugged/ Press Cake Clay- Warning

Semi- Dry Material- Warning

Dry Material- Warning

15.1 Statutory Instruments

Chemicals (Hazard Information and Packaging) Regulations.

15.2 Approved Code of Practice

Material Safety Data Sheets for substances and preparations. Classification and labelling of substances and Preparation Dangerous for Supply.

15.3 Guidance Notes

CHIP for everyone HSG (108). Workplace Exposure Limits EH40.

15.4 Chemical Safety Assessment

A chemical safety assessment has not been carried out.

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Section 16 Other Information

16.1 References

EH40- Workplace Exposure Limits 2005

Guidance Notes EH44- Dust General Principles of Protection

HS (G)53- Respiratory Protective Equipment

COSHH ACOP41- Pottery Production Guidance Note EH59

Reach Regulation (EC) No 1907/2006- Annex V7

CLP Regulation (EC) No 1272/2008

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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