

UNIVERSAL SEALANTS (UK) LIMITED

NUFINS DIVISION

Kingston House, 3 Walton Road, Pattinson North,
Washington, Tyne & Wear. NE38 8QA
Telephone No: 0191 416 8360 Fax No: 0191 415 5966

1. Product Identification

Trade Name: NUGROUT EGA

Description: Additive to produce expansion in sand/cement mixes.

2. Composition / Information on Ingredients

Ingredient	CAS Number	Conc. (w/w)	Classification	R. Phrases
Quartz Sands	N/A	45-55%	None	None
Naphthalene- Formaldehyde Condensate	9084-06-4	40-50%	None	None
Aluminium Powder	7429-90-5	<2%	F	10
Crystalline Silica	N/A	Trace	Xn	20, 48

3. Hazard Identification

None. The low level of crystalline silica is unlikely to present a hazard during normal conditions of use.

4. First Aid Measures

Inhalation: In case of drowsiness or sickness remove to fresh air, keep patient warm and at rest. If unconscious, turn to the recovery position. Seek medical assistance.

Skin Contact: Remove contaminated clothing and wash the affected area with plenty of soap and water to ensure all traces of product are removed, then rinse thoroughly. Any contaminated clothing must be thoroughly cleaned before re-using. Seek medical advice if irritation persists.

Eye Contact: Flush with copious amounts of clean water for at least 15 minutes, with the eye lids held open. Seek medical attention.

Ingestion: Wash out mouth with water. Keep patient at rest and obtain medical attention. DO NOT INDUCE VOMITING.

5. Fire Fighting Measures

Suitable Extinguisher Media: The product is not flammable, however if it is involved in a fire, use water spray, foam, dry powder, carbon dioxide or sand.

Unsuitable Extinguishing Media: Water jet.

Exposure Hazards: Not applicable.

Special Protective Equipment: Not applicable.

6. Accidental Release Measures

- Personal Precautions:** Wear protective equipment as specified in Section 8. Do not eat, drink or smoke. Avoid contact with eyes. Avoid inhaling dust.
- Environmental Precautions:** Prevent entry into drains, sewers and watercourses. If spillage enters drains leading to sewerage works inform the local water company. If spillage enters rivers or watercourses inform the Environment Agency.
- Spillages:** Collect material and transfer to heavy-duty plastic/steel drums and keep in a well ventilated place for subsequent safe disposal. See Section 13.

7. Handling and Storage

- Handling:** No specific precautions required when handling unopened containers; follow any relevant manual handling guidance. Refer to Sections 6 and 8 if exposure to product is possible. Wash thoroughly with soap and water before eating, drinking or smoking, and after work. Transferring material to mixers may generate a dust hazard.
- Storage:** Store in original containers in a well ventilated area away from heat, ignition sources or open flame. Do not store near acids.

8. Exposure Controls / Personal Protection

- Occupational Exposure Standards:** Crystalline Silica: 8 Hour TWA $0.3\text{mg}/\text{m}^3$ (respirable) MEL.
This exposure limit must not be exceeded at any time during the exposure period.
General Dusts/Aluminium Powder:
8 Hour TWA $10\text{mg}/\text{m}^3$ (total inhalable) $4\text{mg}/\text{m}^3$ (respirable) OES
- Engineering Control Measures:** Refer to any applicable COSHH assessments. Engineering controls should be used where practicable in preference to personal protection and may include physical containment and good ventilation.
- Respiratory Protection:** Approved respirator and filter medium for dusts if engineering controls are unlikely to control exposure below the relevant exposure standards. All items must conform to EN149 and should be suitable for the levels of dust present in the workplace.
- Hand Protection:** Wear Nitrile, PVC or Natural Rubber gloves or gauntlets. These must be manufactured to EN374 and have a breakthrough time of >480 minutes.
- Eye Protection:** Dust tight goggles conforming to BS 2092.
- Body Protection:** Wear suitable impervious, dust resistant overalls.

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Foot Protection: Wear chemical resistant safety footwear.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety practice.

9. Physical and Chemical Properties

Appearance:	Grey powder	Boiling Point:	N/A
Odour:	N/A	Vapour Pressure @ 20°C:	N/A
pH:	7.5	Evaporation Rate (Butyl Acetate = 1):	N/A
Flash Point:	N/D	Flammable Limits in Air:	Upper: N/D Lower: N/D
Solubility:	Partially soluble in water	Autoignition Temperature:	N/D
Flammability:	Not Flammable		
Specific Gravity:	1.3		

10. Stability and Reactivity

Stability: Stable under normal conditions (see Section 7).

Materials to Avoid: Acids.

Hazardous Decomposition Products: Hazardous gases when in contact with inorganic acids, ie hydrogen chloride with hydrochloric acid, sulphur dioxide with sulphuric acid, etc.

11. Toxicological Information

There is no data available on the product itself. The following data applies to the trace crystalline silica present in the material.

Chronic Toxicity: Inhalation of the respirable fraction of silica sand may cause permanent damage to the lungs (silicosis). This is a reportable disease in the U.K.

12. Ecological Information

There is no data available on the product itself. The following data applies to the cement component of the material.

13. Disposal Considerations

Dispose of empty bags or surplus product to a place authorised to accept builder's waste in accordance with all applicable local and national regulations, and in compliance with the Environmental Protection (Duty of Care) Regulations 1991.

14. Transport Information

Not classified as dangerous in the meaning of the transport regulations.

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15. Regulatory Information

EU Classification and Labelling Particulars:

Designated Name: NUGROUT EGA
Classification: Not classified as hazardous
Indication(s) of Danger: N/A

Risk and Safety Phrases:

S2: Keep out of the reach of children.
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S28: After contact with skin, wash immediately with plenty of soap and water.
S36/37/39: Wear suitable protective clothing, gloves and eye/face protection.

UK Guidance Publications: EH40; Occupational Exposure Limits, HSE. Revised annually.
EH44; Dust in the Workplace: General Principles of Protection, HSE.
EH26; Occupational Skin Diseases - Health and Safety Precautions, HSE.
MDHS 14; Methods for the Determination of Respirable and Total Dusts, HSE.

UK Legislation: Health and Safety at Work, etc Act, 1974, and relevant Statutory Provisions.
Control of Substances Hazardous to Health Regulations, 1999.
The Manual Handling Operations Regulations, 1992.
The Personal Protective Equipment at Work Regulations, 1992.
Chemicals (Hazard Information and Packaging for Supply) Regulations, 2002 - CHIP 3.

16. Other Information

Full Text of R-Phrases Referred to above:

R10: Flammable.
R20: Harmful by inhalation.
R48: Danger of serious damage to health by prolonged exposure.

Training Advice: Do not use unless trained to do so. Refer to the Technical Data Sheet for the product.

Recommended Uses: For professional use only. These products are designed for use as an expanding grout admixture for use with Portland Cements.

Further Information: This Safety Data Sheet was compiled in accordance with EU Directives 67/548/EEC and 1999/45/EC. Reference was also made to the above legislation and guidance publications.

MSDS First Issued: 2nd March 1992

Ref: HSD/N50
Issue No: 5
Date of Issue: 22nd December, 2003

MSDS Revised: 22nd December 2003

Changes in this Version: All sections revised to comply with CHIP 3 provisions.

Prepared By: F. Stratton

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