

SAFETY DATA SHEET
ACCORDING TO EC-REGULATIONS 91/155/EEC, 2006/1907/EC and 2006/121/EC

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Identification of the substance or preparation: Anhydrite

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Use of Substance / Preparation: Additive in cement and in the manufacture of plasterboard and fertilisers.

2. HAZARDS IDENTIFICATION

EC Classification Preparation is not classified as hazardous in the sense of directive 1999/45/EC and 2006/121/EC.
May cause irritation to skin, eyes and respiratory system.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 CHEMICAL COMPOSITION

Calcium sulphate >94% w/w; Calcium hydroxide <2% w/w; Calcium flouride <4% w/w.
Alternative names: Synthetic calcium sulphate (anhydrous); Anhydrous sulphate of lime; Anhydrous gypsum.

HAZARDOUS INGREDIENT(S)	%W/W	CAS No.	EC No.	EC Classification
Calcium hydroxide	<2	001305-62-0	-	Xi: R38, R41

For full text of R phrases see section 16.

4. FIRST AID MEASURES



- 4.1 Inhalation** Remove patient from exposure. Keep patient at rest and give oxygen if breathing difficult. If symptoms develop, obtain medical attention.
- 4.2 Skin Contact** Remove contaminated clothing and wash affected skin with water.

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- 4.3 Eye Contact** Irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 15 minutes. If symptoms persist, obtain medical attention.
- 4.4 Ingestion** Do not induce vomiting. Wash out mouth with water and give 200-300 ml (half a pint) of water to drink.
- 4.5 Further Medical Treatment** Unlikely to be required but if necessary treat symptomatically.
- 4.6 Special first-aid equipment.** No special requirements. No data.

5. FIRE-FIGHTING MEASURES

- 5.1 Extinguishing Media** As appropriate for surrounding fire. Extinguish with carbon dioxide, dry chemical, foam or waterspray.
- 5.2 Unsuitable Extinguishing Media** None.
- 5.3 Fire Fighting Protective Equipment** A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions.
- 5.4 Hazardous Decomposition Product(s)** Decomposes in a fire giving off toxic fumes: Sulphur oxides
- 5.5 Other** Dispose of contaminated extinction water according to official regulations.

6. ACCIDENTAL RELEASE MEASURES

Refer to Section 13 and for personal protection refer to section 8

- 6.1 Personal Precautions** Avoid build up of dust. Clear up spillages. Transfer to a container for disposal. Ensure complete removal as wet calcium sulphate may present a slipping hazard and subsequently can set to a concrete like substance.
- 6.2 Environmental Exposure Controls** Avoid release to the environment. Spillages or uncontrolled discharges into watercourses must be alerted to the Environment Agency or other appropriate regulatory body.
- 6.3 Methods for cleaning up** Collect mechanically and dispose of according to Section 13. Avoid build up of dust.

7. HANDLING AND STORAGE

- 7.1 HANDLING** See Section: 6.1 General hygiene measures for the handling of chemicals are applicable.
Avoid contact with eyes. Provide adequate ventilation, including appropriate local extraction, to ensure that the occupational exposure limit is not exceeded.
- 7.2 STORAGE** Keep away from moisture.
- Storage Temperature:** Ambient.
- Storage Life:** Stable.
- Specific use:** Industrial use only.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ensure adequate ventilation. This can be achieved by local exhaust ventilation or general ventilation.

OCCUPATIONAL EXPOSURE LIMITS

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SUBSTANCE.	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m ³)	STEL (ppm)	STEL (mg/m ³)	Note:
Dust. (general dust limit value)	-		10			Respirable Dust.
			4			Respirable Dust.

WEL: Workplace Exposure Limit (UK HSE EH40)



8.1 Respirators

Wear suitable respiratory protective equipment if exposure to levels above the occupational exposure limit is likely. A suitable dust mask or dust respirator with filter type P may be appropriate.



8.2 Eye Protection

Eye protection with side protection (EN 166).



8.3 Gloves

Impervious Gloves. Plastic or synthetic rubber gloves.

8.4 Other

Wear suitable protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Powder.
Colour	Off-white.
Odour	Odourless.
pH (Value)	Alkaline.
Melting Point (°C)	Not applicable.
Flash Point (°C)	Non-flammable.
Explosive Properties	Not explosive.
Oxidising Properties	Not applicable.
Solubility (Water)	Insoluble. Hydrates slowly to the dehydrate (gypsum) when wet.

10. STABILITY AND REACTIVITY

10.1 Conditions to avoid	See Section: 7. Stable under normal conditions.
10.2 Incompatible materials:	See Section: 7. Can react violently if in contact with - finely divided metals, such as aluminium, at high temperatures and strong acids.
10.3 Hazardous Decomposition Product(s)	Sulphur trioxide (at high temperatures).

11. TOXICOLOGICAL INFORMATION

11.1 Ingestion	Low oral toxicity.
11.2 Inhalation	Low acute toxicity. May cause irritation to the respiratory system.
11.3 Skin Contact	Repeated and/or prolonged skin contact may cause irritation. It is not a skin sensitiser.
11.4 Eye Contact	May cause eye irritation.
11.5 Long Term Exposure	This material has been in use for many years with no evidence of adverse effects.

12. ECOLOGICAL INFORMATION

12.1 Environmental Fate and Distribution	High tonnage material produced in open systems. The product is sparingly
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	soluble in water. The product has low potential for bioaccumulation.
12.2 Persistence and Degradation	Naturally occurring substance.
12.3 Toxicity	Low toxicity to aquatic organisms.
12.4 Effect on Effluent Treatment	Unlikely to affect biological treatment processes.

13. DISPOSAL CONSIDERATIONS

13.1 Regulatory information	Do not allow to enter drains, sewers or watercourses. Disposal should be in accordance with local, state or national legislation.
13.2 Recommended:	Decontaminate empty containers before recycling.

14. TRANSPORT INFORMATION

International Transport Regulations

Not classified as dangerous for transport.

UN No.:	Not applicable.
Road/Rail (ADR/RID):	Not applicable.
Class/Packing Group:	Not applicable.
Classification code:	Not applicable.
LQ:	Not applicable.
IMDG EMS	Not applicable.

15. REGULATORY INFORMATION

Classification according to Dangerous Product Regulations incl. EC Directives 67/548/EEC, 1999/45/EC and 2006/121/EC.

EC Classification	Not classified as dangerous for supply/use.
Hazard Symbol	Not applicable.
Risk Phrases	Not applicable.
Safety Phrases	Not applicable.

INTERNATIONAL INVENTORIES

EINECS (Europe)	EINECS: Included.
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16. OTHER INFORMATION

This Safety Data Sheet was prepared in accordance with Directive 2001/58/EC.

The following sections contain revisions or new statements: 1 - 16

GLOSSARY

WEL: Workplace Exposure Limit (UK HSE EH40)

Risk Phrases:

R38: Irritating to skin.

R41: Risk of serious damage to eyes.

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