

SAFETY DATA SHEET

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

Product Name: Flowbead
Product Code: 30:15
Supplier: Advanced Minerals Limited
Unit 17c, Wharncliffe Industrial Estate
Deepcar Works, Station Road
Deepcar, Sheffield
South Yorkshire
S36 2UZ
Telephone Number: 0114 288 4088
Fax Number: 0114 288 8543

2). COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Description: Granular Calcium Carbonate
Chemical Name: Calcium Carbonate CaCO₃

3). HAZARDS IDENTIFICATION

Chronic Hazards: Prolonged heavy exposure to respirable dust generated from this product may cause loss of some lung function. This product as supplied is not respirable.
Hazardous Uses / Misuses: Grinding, milling or otherwise generating respirable dust from this product.

4). FIRST AID MEASURES

Inhalation: Causes irritation, move to fresh air. In case of indisposition, seek medical advice.
Skin Contact: May cause dehydration and irritation, wash off with plenty of water.
Eye Contact: Rinse with plenty of water. In case of irritation, seek medical advice.
Ingestion: Rinse mouth. In case of indisposition, seek medical advice.

5). FIRE-FIGHTING MEASURES

Non-flammable substance, therefore not applicable.

6). ACCIDENTAL RELEASE MEASURES

Personal Precautions: No special precautions required
Environmental Precautions: No special environmental precautions required
Methods for Cleaning up: Sweep, shovel or vacuum and remove into suitable containers for disposal (see section 13)

7). HANDLING AND STORAGE

Handling: The usual precautions for the handling of chemicals should be observed.
Storage: Keep container tightly closed in a dry and well-ventilated place. Do not store near acids.

8). EXPOSURE CONTROLS/PERSONAL PROTECTION

Chemical Name: Calcium Carbonate CaCO₃
National Occupational Exposure Limits: TWA 10mg/m³ (total dust).
TWA 4mg/m³ (respirable).
Engineering Control: Use only with adequate ventilation.
Personal Protection Equipment:
Respiratory Protection: Effective dust mask

Hygiene Precautions:

Handle in accordance with good industrial hygiene and safety practice

9). PHYSICAL AND CHEMICAL PROPERTIES

Form:	Granules.
Colour:	White, off-white, yellow, brown.
Odour:	None
pH:	(20°C) (@100 g/l H ₂ O) 8.5 – 9.5
Melting Point / Range:	1340°C
Decomposition Temperature:	Above 825°C
Solubility:	
Water Solubility:	Insoluble

10). STABILITY AND REACTIVITY

Stability:	Stable at normal conditions.
Materials to Avoid:	Acids (reacts with acids forming CO ²)
Hazardous Decomposition Products:	None

11). TOXICOLOGICAL INFORMATION

Acute Toxicity:	LD50/oral/rat = > 5000 mg/kg
Local Effects:	Not classified as harmful if swallowed. May cause eye irritation of susceptible persons.

12). ECOLOGICAL INFORMATION

Persistence & Biodegradability:	Calcium carbonate is not biodegradable.
Ecotoxicity Effects:	In its dissolved state, the substance is a natural and indispensable component of natural waters. Therefore, unfavourable effects to the environment may be excluded.

13). DISPOSAL CONSIDERATIONS

Waste from Residues/Unused Products:	Contact waste disposal services.
Contaminated Packaging:	In accordance with local and national regulations. Contact waste disposal services.

14). TRANSPORT INFORMATION

Not classified as dangerous in the meaning of transport regulations.

15). REGULATORY INFORMATION

Classification According to European Directive on Classification of Hazardous Preparations 90/492/EEC

Contains:	Ground natural calcium carbonate.
R-phrases) Codes:	R36, R37, R38
R-phrases):	Irritating to eyes, respiratory system and skin.
S-phrases) Codes:	S26, S36
S-phrases):	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice, wear suitable protective clothing.

16). OTHER INFORMATION