

**MATERIAL SAFETY DATA SHEET**  
**CaCO<sub>3</sub>+Ha+SW+ZEO**



***SECTION 1: Identification of the substance/mixture and of the company/undertaking***

**1.1 Product identifier**

**Product name** CaCO<sub>3</sub>+Ha+SW+ZEO  
**REACH registration notes** This Mixture is exempt from REACH registration according to Regulation (EC) No 1907/2006 (REACH).  
All raw materials used in the mixture are REACH registered where necessary

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

**Identified uses** Fertiliser

**1.3 Details of the supplier of the safety data sheet**

**Advance Grass Solutions Ltd,**  
Unit 6 Norcot Industrial Estate,  
Sterling Way, Tilehurst, Reading, Berkshire RG30 6HW  
+44 (0) 1183 914540 [info@advancegrass.com](mailto:info@advancegrass.com)

**1.4 Emergency telephone number**

**Emergency telephone number** +44 (0) 1183 914540 During Office Hours  
+44 (0) 7789 935208 - out of normal hours  
**Contact** National Chemical Emergency Centre  
**National response centre** NHS Direct Emergency telephone number  
+44 111

***SECTION 2: Hazards identification***

**2.1 Classification of the substance or mixture**

**Classification (EC1272/2008)**

**Physical hazards** Not classified  
**Health hazards** Not classified  
**Environmental hazards** Not classified

**2.2 Label elements**

**Hazard statements** Not classified

**2.3 Other hazards** This substance is not classified as PBT or vPvB according to current EU criteria

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**SECTION 3: Composition/information on ingredients**

**3.2 Mixtures**

<b>Gypsum</b> CAS Number: 7778-18-9 <b>Classification</b> Not classified	EC Number: 231-900-3 REACH registration Number: 2119444918-26-0010	<b>5-10%</b>
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<b>Ammonium Sulphate</b> CAS Number: 007783-20-2 <b>Classification</b> Not classified	EC Number: 231-984-1 REACH registration Number: 2119455044-46-0036	<b>5-10%</b>
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The Full text for all R-Phrases and Hazard Statement are Displayed in Section 16

**SECTION 4: First Aid measures**

**4.1 Description of first aid measures**

<b>General information</b>	Get medical attention if any discomfort continues
<b>Inhalation</b>	Get medical attention if symptoms are severe or persist
<b>Ingestion</b>	Get medical attention if symptoms are severe or persist
<b>Skin contact</b>	Wash skin thoroughly with soap and water or use an approved skin cleanser. Get medical attention if symptoms are severe or persist after washing.
<b>Eye contact</b>	Rinse immediately with plenty water. Remove contact lenses, if present and easy to do so. Continue rinsing. Continue to rinse for at least 10 minutes. Get medical attention if symptoms are severe or persist after washing.

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

<b>Inhalation</b>	Dust in high concentrations may irritate the respiratory system
<b>Ingestion</b>	No harmful effects expected from quantities likely to be ingested by accident
<b>Skin contact</b>	No specific symptoms known
<b>Eye contact</b>	No specific symptoms known

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

<b>Notes for the doctor</b>	Treat symptomatically
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**SECTION 5: Firefighting measures**

**5.1 Extinguishing media**

<b>Suitable extinguishing media</b>	The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.
<b>Unsuitable extinguishing media</b>	Not applicable

**5.2 Special hazards arising from the substance or mixture**

<b>Special hazards</b>	None known
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**5.3 Advice for firefighters**

<b>Protective actions during firefighting</b>	Evacuate area. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk.
<b>Special protective equipment firefighters</b>	Use protective equipment appropriate for surrounding materials. Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter's clothing conforming to European standard EN469 (including helmets, protective boots and gloves) will provide a basic level of protection for chemical incidents.

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**SECTION 6: Accidental release measures**

**6.1 Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Avoid inhalation of dust and contact with skin and eyes. Use suitable respiratory protection if ventilation is inadequate. Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Take care as floors and other surfaces may become slippery.

**6.2 Environmental precautions**

**Environmental precautions** The product is slowly degradable. The product is not expected to be hazardous to the environment. Avoid the spillage or runoff entering drains, sewers or watercourses

**6.3 Methods and material for containment and cleaning up**

**Methods for cleaning up** Take care as floors and others surfaces may become slippery. Avoid generation and spreading of dust. Collect spillage with a shovel and broom, or similar and reuse, if possible. Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Dispose of contents/container in accordance with national regulations. Do not empty into drains. Collect and dispose of spillage as indicated in Section 13

**6.4 Reference to other sections**

**Reference to other sections** For personal protection, see Section 8. For waste disposal, see Section 13.

**SECTION 7: Handling and storage**

**7.1 Precautions for safe handling**

**Usage precautions** Read label before use. Wear appropriate clothing to prevent repeated or prolonged skin contact. Avoid inhalation of dust and contact with skin and eyes.

**Advice on general occupational hygiene** Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Wash at the end of each work shift and before eating, smoking and using the toilet.

**7.2 Conditions for safe storage, including any incompatibilities**

**Storage precautions** Store in a dry place. Keep container in a well-ventilated place. Keep out of reach of children. Store away from incompatible materials (see Section 10)

**7.3 Specific end use(s)**

**Specific end use(s)** The identified uses for this product are detailed in Section 1.2

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**SECTION 8: Exposure controls/Personal protection**

**8.1 Control parameters Occupational exposure limits**

Gypsum	Long-term exposure limit (8-hour TWA); WEL 4 mg/m <sup>3</sup> respirable dust
Ammonium Sulphate	Long-term exposure limit (8-hour TWA); LTEL 10 mg/m <sup>3</sup>

WEL = Workplace Exposure Limit

**8.2 Exposure Controls**

**Protective equipment**



<b>Appropriate engineering controls</b>	All handling should only take place in well-ventilated areas
<b>Eye/Face Protection</b>	Wear eye protection
<b>Hand Protection</b>	Wear protective gloves
<b>Other skin &amp; body protection</b>	Wear appropriate clothing to prevent repeated or prolonged skin contact
<b>Hygiene measures</b>	Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product
<b>Respiratory protection</b>	No specific recommendations

**SECTION 9: Physical and Chemical properties**

**9.1 Information on basic physical and chemical properties**

<b>Appearance</b>	Granules
<b>Colour</b>	Beige to Dark Brown
<b>Odour</b>	Mild
<b>Odour threshold</b>	Not determined
<b>pH</b>	8-10 (5% solution)
<b>Melting Point</b>	Not relevant
<b>Initial Boiling Point &amp; Range</b>	Not relevant
<b>Flash Point</b>	Not relevant
<b>Evaporation Rate</b>	Not relevant
<b>Flammability (solid, gas)</b>	The product is not flammable
<b>Vapour pressure</b>	Not relevant
<b>Vapour density</b>	Not relevant
<b>Relative density</b>	Not relevant
<b>Solubility (ies)</b>	Not known
<b>Partition coefficient</b>	Not known
<b>Auto-ignition temperature</b>	Not relevant
<b>Decomposition Temperature</b>	Not relevant
<b>Viscosity</b>	Not relevant
<b>Explosive properties</b>	Not relevant
<b>Oxidising properties</b>	Does not meet the criteria for classification as oxidising

**9.2 Other information**

<b>Other information</b>	No information required
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**SECTION 10: Stability & Reactivity**

**10.1 Reactivity**

**Reactivity** No test data specifically related to reactivity available for this product or its ingredients

**10.2 Chemical Stability**

**Stability** Stable when stored in a dry place

**10.3 Possibility of hazardous reactions**

**Possibility of hazardous reactions** No potentially hazardous reactions known

**10.4 Conditions to avoid**

**Conditions to avoid** There are no known conditions that are likely to result in hazardous situation

**10.5 Incompatible materials**

**Materials to avoid** Water, moisture

**10.6 Hazardous decomposition products**

**Hazardous decomposition products** None known

**SECTION 11: Toxicological Information**

**11.1 Information on toxicological effects**

**Acute toxicity – oral**

**Notes (oral LD<sub>50</sub>)** No specific test data area available

**Acute toxicity – dermal**

**Notes (dermal LD<sub>50</sub>)** No specific test data are available

**Acute toxicity – inhalation**

**Notes (inhalation LC<sub>50</sub>)** No specific test data are available

**Skin corrosion/irritation**

**Skin corrosion/irritation** Based on available data the classification criteria are not met.

**Serious eye damage/irritation**

**Serious eye damage/irritation** Based on available data the classification criteria are not met

**Respiratory sensitisation**

**Respiratory sensitisation** No specific test data are available

**Skin sensitisation**

**Skin sensitisation** Not determined

**Germ cell mutagenicity**

**Genotoxicity – in vitro** This substance has no evidence of mutagenic properties

**Carcinogenicity**

**Carcinogenicity** No specific test data are available.

**Reproductive toxicity**

**Reproductive toxicity – fertility** Does not contain any substances known to be toxic to reproduction

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**Specific target organ toxicity – single exposure**

**STOT – single exposure** Not classified as a specific target organ toxicant after a single exposure

**Specific target organ toxicity – repeated exposure**

**STOT – repeated exposure** Not classified as a specific target organ toxicant after repeated exposure

**Aspiration hazard**

**Aspiration hazard** Not anticipated to present an aspiration hazard, based on chemical structure

**General information**

No specific health hazards known

**Eye contact**

The product is considered to be a low hazard under normal conditions of use. May cause eye irritation

***SECTION 12: Ecological information***

**Ecotoxicity**

No negative effects on the aquatic environment are known. Not regarded as dangerous for the environment. The product is not expected to be hazardous to wastewater treatment processes

**12.1 Toxicity**

**12.2 Persistence and degradability**

**Persistence and degradability** The product is slowly degradable

**12.3 Bio-accumulative potential**

**Partition coefficient** Not known

**12.4 Mobility in soil**

**Mobility** No data available

**12.5 Results of PBT and vPvB assessment**

**Results of PBT and vPvB assessment** This product does not contain any substances classified as PBT or vPvB

**12.6 Other Adverse effects**

**Other adverse effects** Not relevant

***SECTION 13: Disposal considerations***

**13.1 Waste treatment methods**

**General information**

Dispose of waste to licenced waste disposal site in accordance with the requirements of the local Waste Disposal Authority

**Disposal methods**

The generation of waste should be minimised or avoided wherever possible. Reuse or recycle products wherever possible. Only store in correctly labelled containers. Dispose of contents/container in accordance with national regulations. No specific disposal method required. Do not empty into drains

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**SECTION 14: Transport information**

**General** The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

**14.1 UN number** Not applicable

**14.2 UN proper shipping name** Not applicable

**14.3 Transport hazard class(es)** No transport sign warning required

**14.4 Packing group** Not applicable

**14.5 Environmental hazards**

**Environmental hazardous substance/marine pollutant** No

**14.6 Special precautions for user** Not applicable

**14.7 Transport in bulk to Annex II of MARPOL and the IBC Code**

**Transport in bulk according to Annex II of MARPOL and the IBC Code** Not applicable

**SECTION 15: Regulatory Information**

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

**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 (as amended)  
Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as amended

**15.2 Chemical safety assessment** No chemical safety assessment has been carried out

**SECTION 16: Other information**

**Disclaimer**

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