SINIAT UNIVERSAL BONDING COMPOUND

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
Revision date: 4/3/2024 Supersedes version of: 2/7/2022 Version: 4.0

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

1.1. Product identifier

Product form : Mixture
Product name : SINIAT UNIVERSAL BONDING COMPOUND
Product group : Trade product

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

1.2.1. Relevant identified uses

Use of the substance/mixture : general building construction

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Supplier
Etex Building Performance Limited
Gordano House, Marsh Lane, Easton-in-Gordano
BS20 0NE Bristol - UNITED KINGDOM
T +44 (0)800 373 636
technical.siniat@etexbp.co.uk

1.4. Emergency telephone number

Emergency number : Please contact a regional poison center or emergency telephone number.

Country	Organisation/Company	Address	Emergency number	Comment
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals-24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)	
United Kingdom	NHS 111/NHS 24/NHS Direct		111 0845 4647	or call a doctor
United Kingdom	National Poisons Information Service (Belfast Centre) Royal Victoria Hospital	Grosvenor Road BT12 6BA	0344 892 0111	Only for healthcare professionals
United Kingdom	National Poisons Information Service (Newcastle Centre) Regional Drugs and Therapeutics Centre	16/17 Framlington Place Newcastle-upon-Tyne NE2 4AB	0344 892 0111	Only for healthcare professionals

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

No labelling applicable

2.3. Other hazards

Other hazards which do not result in classification : Use of the product and mechanical actions on the set product may generate gypsum dust, which may irritate skin, eyes and the respiratory system. Please see sections 8 & 11 below.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Comments : Calcium sulphate hemihydrate and minor additives

This mixture does not contain any substances to be mentioned according to the criteria of section 3.2 of REACH Annex II

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : If symptoms persist call a doctor.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Get medical advice/attention.

First-aid measures after skin contact : Rinse skin with water/shower. Wash skin with soap and water. No allergic reactions are known.

First-aid measures after eye contact : Rinse with plenty of clean water, lifting lower and upper eyelids occasionally. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion : Rinse mouth out with water. Drink plenty of water. Do not induce vomiting.

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

Symptoms/effects after eye contact : Eye contact with dust may lead to transient eye irritation or inflammation.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : The product is a material of limited combustibility. Packaging may burn. Use extinguishing media appropriate for surrounding fire.

5.2. Special hazards arising from the substance or mixture

Fire hazard : The product is a material of limited combustibility. Packaging may burn.

5.3. Advice for firefighters

Firefighting instructions : Exercise caution when fighting any chemical fire.

Protection during firefighting : Do not attempt to take action without suitable protective equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Wear suitable protective clothing and gloves. Provide adequate ventilation to minimize dust concentrations.

6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Do not allow entry to drains, sewers, water courses or soil.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Use absorbent materials to contain and collect spillages of mixed products. Dust deposited may be vacuum cleaned. Mechanically recover the product. Avoid dust formation.

6.4. Reference to other sections

Refer to protective measures listed in Sections 7 and 8. For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : When manually handling these products, use suitable manual handling techniques to limit risk, according to the Manual Handling Operations Regulations 1992. Mechanical handling aids may be used to reduce the risk of injury.
. Avoid creating or spreading dust. Use personal protective equipment as required. Avoid contact with skin. Products are supplied in bags and packed on wooden pallets.
Packs should be moved using a folk lift truck or hydraulictrolley. Care should be taken to ensure that the machinery is safely capable of such movements and that the operator is trained and competent.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Stack in a safe and stable manner and store in dry conditions. Carefully close bags after use. Bags nominally weigh 25 kg.

7.3. Specific end use(s)

For more information regarding the use of this product, please refer to our technical information or contact the sales department in your region.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

SINIAT UNIVERSAL BONDING COMPOUND	
United Kingdom - Occupational Exposure Limits	
Remark	Note: All of the above are long term exposure limits, based on 8 hour TWA (time weighted average) period, as listed in HSE EH40 Workplace Exposure Limits, 4th edition (2020). No short term exposure limits have been defined for these substances. In the case of respirable crystalline silica, Siniat recommends to control to 50% of the WEL.

Calcium Sulphate (10034-76-1)	
United Kingdom - Occupational Exposure Limits	
Local name	Gypsum (Calcium sulphate)
WEL TWA (OEL TWA)	10 mg/m³ (total inhalable); 4 mg/m³ (respirable)

Exposure limit values for the other components

Crystalline silica (quartz - fine fraction) (14808-60-7)		
Ireland - Occupational Exposure Limits		
Local name	Quartz, respirable dust	
OEL TWA	0.1 mg/m³	

Crystalline silica (quartz - fine fraction) (14808-60-7)		
Remark	BOELV (Binding Occupational Exposure Limit Values)	
Regulatory reference	Chemical Agents Code of Practice 2021	
United Kingdom - Occupational Exposure Limits		
Local name	crystalline silica, respirable	
WEL TWA (OEL TWA)	0.1 mg/m³	

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

No additional information available

8.2.2. Personal protection equipment

8.2.2.1. Eye and face protection

Eye protection:
Eye protection is recommended when dust is likely to be generated as irritation may be caused by contact.

8.2.2.2. Skin protection

Skin and body protection:
Exposed skin should be kept to a minimum. Disposable overalls are suitable.

Hand protection:
Hands should be protected when handling this product. A barrier cream may also be applied.

8.2.2.3. Respiratory protection

Respiratory protection:
To further reduce exposure to dust, use appropriate respiratory protection complying with BS EN Standards. A dust mask of type at least FFP2 will be required (use type FFP3 for high concentrations of dust) .

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Other information:

The concentration of airborne dusts must be controlled. . Mechanical action on these products (eg mixing, sawing, drilling, sanding, etc) may lead to the generation and release of dusts, including respirable crystalline silica. Avoid the generation and dispersal of airborne dust by using tools with dust extraction or by using local exhaust ventilation (LEV). Soiled working clothes should be removed and cleaned and the workplace kept clean.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Solid
Colour	:	white.
Appearance	:	Powder.
Odour	:	odourless.
Odour threshold	:	Not available
Melting point	:	1450 °C (Gypsum)
Freezing point	:	Not available
Boiling point	:	Not available
Flammability	:	Not available
Explosive limits	:	Not applicable
Lower explosion limit	:	Not applicable
Upper explosion limit	:	Not applicable
Flash point	:	Not applicable
Auto-ignition temperature	:	Not applicable
Decomposition temperature	:	140 °C (Gypsum)
pH	:	Neutral
pH solution	:	7 – 7.5 Gypsum in aqueous solution
Viscosity, kinematic	:	Not applicable
Solubility	:	Water: 2 g/100cm³ (Gypsum)
Partition coefficient n-octanol/water (Log Kow)	:	Not available
Vapour pressure	:	Not available
Vapour pressure at 50°C	:	Not available
Density	:	Not available
Relative density	:	Not available
Relative vapour density at 20°C	:	Not applicable
Particle size	:	Not available
Particle size distribution	:	Not available
Particle shape	:	Not available
Particle aspect ratio	:	Not available
Particle aggregation state	:	Not available
Particle agglomeration state	:	Not available
Particle specific surface area	:	Not available
Particle dustiness	:	Not available

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

Percent Solids	:	100 %

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

No additional information available

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

Slow phase transformation of calcium sulphate dehydrate towards hemihydrate can begin at temperatures above 40°C, therefore the use of these products in locations subject to temperatures above 40°C is not recommended.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Hydrogen sulphide may be evolved where calcium sulphate is exposed to sulphur-reducing bacteria and water under anaerobic conditions.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral)	:	Not classified
Acute toxicity (dermal)	:	Not classified
Acute toxicity (inhalation)	:	Not classified
Skin corrosion/irritation	:	Not classified pH: Neutral
Serious eye damage/irritation	:	Not classified pH: Neutral
Respiratory or skin sensitisation	:	Not classified
Germ cell mutagenicity	:	Not classified
Carcinogenicity	:	Not classified
Reproductive toxicity	:	Not classified
STOT-single exposure	:	Not classified
STOT-repeated exposure	:	Not classified
Aspiration hazard	:	Not classified

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

11.2.2 Other information

Other information : As these products are mainly made of mineral raw materials, they may contain traces of crystalline silica. Mechanical action (eg mixing, cutting, sanding, drilling etc) will release dust which may contain respirable crystalline silica particles,Inhalation of high concentrations of dust may irritate the airways. Dust may also cause irritation of the eyes and/or skin. Inhalation of dust containing crystalline silica, in particular the fine respirable size fraction, in high concentrations or over prolonged periods can lead to lung disease (silicosis) and an increased risk of lung cancer. The latter is concluded by IARC on the basis of observations in industries with heavily exposed populations, such as mining, pottery and foundries
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SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	:	Product is stable. The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Hazardous to the aquatic environment, short–term (acute)	:	Not classified
Hazardous to the aquatic environment, long–term (chronic)	:	Not classified

Not rapidly degradable

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product/Packaging disposal recommendations : These products are classified as non-inert and non-hazardous and must be segregated from other materials at source for treatment. All listed products are recyclable and should be consigned to authorised recycling facilities in accordance with current Waste and Environmental Permitting Regulations. Landfill disposal is not permitted except in monocell sites licensed for plasterboard disposal by the national regulator.

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

14.1. UN number or ID number

UN-No. (ADR) : Not regulated.
UN-No. (IMDG) : Not regulated.
UN-No. (IATA) : Not regulated.
UN-No. (ADN) : Not regulated.
UN-No. (RID) : Not regulated.

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not regulated.
Proper Shipping Name (IMDG) : Not regulated.
Proper Shipping Name (IATA) : Not regulated.
Proper Shipping Name (ADN) : Not regulated.
Proper Shipping Name (RID) : Not regulated.

14.3. Transport hazard class(es)

ADR
Transport hazard class(es) (ADR) : Not regulated.

IMDG
Transport hazard class(es) (IMDG) : Not regulated.

IATA
Transport hazard class(es) (IATA) : Not regulated.

ADN
Transport hazard class(es) (ADN) : Not regulated.

RID
Transport hazard class(es) (RID) : Not regulated.

14.4. Packing group

Packing group (ADR) : Not regulated.
Packing group (IMDG) : Not regulated.

Packing group (IATA)	:	Not regulated.
Packing group (ADN)	:	Not regulated.
Packing group (RID)	:	Not regulated.

14.5. Environmental hazards

Dangerous for the environment	:	No
Marine pollutant	:	No
Other information	:	No supplementary information available

14.6. Special precautions for user

Overland transport
Not regulated.

Transport by sea
Not regulated.

Air transport
Not regulated.

Inland waterway transport
Not regulated.

Rail transport
Not regulated.

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)
Contains no substance on the REACH candidate list.
Contains no substance(s) listed on REACH Annex XIV (Authorisation List)
Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)
Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants.

15.1.2. National regulations

United Kingdom

Other information	:	As the products contain substances for which Workplace Exposure Limits (WELs) have been set in the HSE EH40 Workplace Exposure Limits publication, a workplace risk assessment must be carried out by the user under the COSHH Regulations 2005 (Control of Substances Hazardous to Health).

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Indication of changes:	
Changed item	**Date / version**
first Siniat Issue	24/01/2013 v1.0
section 2 & 3 reversed; Addition of revision history	21/08/2014 v1.1
Product list extended	23/09/2015 v1.2
REACH & CLP references added, replacing CHIP; crystalline silica information added to sections 8 and 11; GTEC TRADE Joint Filler added to product list	02/04/2015 v2.0

Contact email, opening hours and enquiryline references amended	30/12/2015 v2.1
new SDS layout; product list reduced to GTEC Universal Bonding Compound; all sections revised	07/02/2022 v3.0
product name and supplier name	03/04/2024 v4.0

Other information : These products are only intended for use as defined within current Siniat Literature. This data sheet does not replace the user's own work place risk assessment. It is not intended for the purposes of precise product specification nor warranty. All information and instructions provided in this data sheet are based on the current state of scientific, technical and legal knowledge at the date indicated on the present data sheet. The user should ensure that the data sheet being consulted is the current version. To confirm this, or for any additional information or support on intended use, please contact the Siniat Technical Services.

Safety information applicable for regions : IE;GB

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.