

Safety Data Sheet

According to 1907/2006/EC, Article 31 and 2020/878/EC

Printing date 11.10.2022

Version number 3

Revision: 11.10.2022

Trade name: **THERMIO®+ additive**

Article number / formula: **J3-0019**

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Relevant identified uses: Commercial and/or industrial use.

Sector of Use SU3 – Industrial uses: Uses of substances as such, or in preparations at industrial sites.

Application: Adjuvant for calcium sulphate mortar.

1.2 Manufacturer/Supplier: Anhydritec Ltd, 221 Europa Boulevard, Westbrook, Warrington, Cheshire, WA5 7TN, United Kingdom.
Tel: +44 (0)1925428780

1.3 Emergency telephone numbers:

France (INRS 24h/24): +33 (0)1 45 42 59 59

Ireland: +353 (0)1 8092568 / +353 (0)1 8379964 (24/7) | EU Tel: 112

Belgium (Brussels): +32 (0)70245 245

United Kingdom: NHS 999 (emergency) or 111 (24/7) or NHS Direct 0845 4647

Switzerland (Zurich) Swiss Toxicological Information Centre +41 (0) 44 251 51 51 / www.toxi.ch

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture according to Regulation (EC) No 1272/2008: The product is not classified, according to the GB CLP regulation. Not classified as hazardous.

2.2 Label elements:

- Hazard pictograms: Not classified as hazardous.
- Signal word: Not classified as hazardous.
- Hazard statements: Not classified as hazardous.
- Additional information: EUH210 Safety data sheet available on request.

2.3 Other hazards: The mixture shall not contain substances listed in accordance with Article 59(1) of UK REACH as having endocrine disrupting properties, or be recognised 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 in a concentration equal to or greater than 0.1%.

Results of PBT and vPvB assessment:

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

SECTION 3: COMPOSITION / INGREDIENTS INFORMATION

3.1 Chemical characterisation: Mixtures – consisting of the following components.

- **Dangerous components:** Not classified as hazardous.
- **Additional information:** For the wording of the listed risk phrases, refer to section 16.

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SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

- **General information:** Immediately remove any clothing soiled by the product.
- **After inhalation:** Provide fresh air; consult a doctor in case of medical complaints.
- **After skin contact:** Generally, the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist, consult a doctor.

4.2 Most important symptoms and effects, both acute and delayed: No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed: No further relevant information available.

SECTION 5: FIREFIGHTING MEASURES

5.1 Suitable extinguishing agents: CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam. For safety reasons, avoid unsuitable extinguishing agents: Water with full jet.

5.2 Special hazards: Formation of toxic gases is possible during heating or in case of fire.

5.3 Advice for firefighters:

- **Protective equipment:** Mouth respiratory protective device.
- **Additional information:** Cool endangered receptacles with water spray.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

- Wear a respiratory protective device.
- Avoid formation of dust.
- Remove persons from the danger area.

6.2 Environmental precautions:

- Do not allow product to reach sewage system or any water course.
- Do not allow the product to enter sewers/surface water or ground water.

6.3 Methods and material for containment and cleaning up:

- Allow to solidify.
- Pick up mechanically.

6.4 Reference to other sections:

- See Section 7 for Safe Handling.
- See Section 8 for Personal Protective Equipment.
- See Section 13 for Disposal Information.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

- Keep receptacles tightly sealed.
- Keep away from heat and direct sunlight.
- Ensure good ventilation/exhaustion at the workplace.
- Prevent formation of dust.

Information about fire- and explosion protection: No special measures required.

7.2 Conditions for safe storage, including any incompatibilities: No special requirements for storerooms and receptacles. Store receptacle in a well-ventilated area.

7.3 Specific end use(s): No further relevant information available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Additional information about design of technical facilities: No further data; see section 7.

Ingredients with limit values requiring workplace monitoring:

CAS: 14808-60-7 Quartz (SiO₂) (5–10%)

BOELV (EU) Long-term value: 0.1* mg/m³
(*respirable fraction)

MAK (Switzerland) Long-term value: 0.15 a mg/m³, P C1a SSc

Additional information: The most current valid lists have been used as a basis for the production of this document.

8.2 Exposure controls - Personal Protective Equipment

General protective and hygienic measures:



Respiratory protection: In case of brief exposure or low pollution, use respiratory filter device. In case of intensive or longer exposure, use self-contained respiratory protective device.



Hand protection: Protective gloves (Butyl rubber BR, Nitrile rubber NBR).



Eye protection: Safety glasses.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Physical/chemical properties - General Information:

Form	Powder
Colour	Red
Odour	Odourless
Odour threshold	Undetermined
pH-value	>9
Melting/freezing point	Undetermined
Initial boiling point	Undetermined
Flash point	Not applicable
Flammability (solid, gas)	Not applicable
Ignition temperature	Not applicable
Decomposition temperature	Undetermined
Auto-ignition temperature	Product is not self-igniting
Explosive properties	Product does not present an explosion hazard
Explosion limits (lower/upper)	Undetermined
Solubility in water	Not miscible or difficult to mix
Density	Undetermined
Vapour pressure	Undetermined
Relative density	Undetermined
Evaporation rate	Undetermined
Vapour density	Undetermined
Viscosity (dynamic/kinematic)	Undetermined
Segregation coefficient (n-octanol/water)	Undetermined

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9.2 Other information: No further relevant information available.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity: No further relevant information available.

10.2 Chemical stability: No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions: Reacts with oxidising agents.

10.4 Conditions to avoid: No further relevant information available.

10.5 Incompatible materials: No further relevant information available.

10.6 Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Toxicological effects:

- **Acute toxicity:** classification criteria not met.
- **On the skin:** classification criteria not met.
- **On the eyes:** classification criteria not met.
- **Respiratory or skin sensitisation:** not met.
- **Germ cell mutagenicity:** Based on available data, the classification criteria are not met.
- **Carcinogenicity:** Based on available data, the classification criteria are not met.
- **Reproductive toxicity:** Based on available data, the classification criteria are not met.
- **STOT-single exposure:** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure:** Based on available data, the classification criteria are not met.
- **Aspiration hazard:** Based on available data, the classification criteria are not met.

SECTION 12: ECOLOGICAL INFORMATION - TOXICITY

12.1 Aquatic toxicity: No further relevant information available.

12.2 Persistence: No further relevant information available.

12.3 Bioaccumulative potential: No further relevant information available.

12.4 Mobility in soil: No further relevant information available.

Additional ecological information:

Water hazard Class 1 (German Regulation) (Self-assessment): slightly hazardous for water. Do not allow undiluted product or large quantities to reach ground water, water courses or sewage system.

12.5 Results of PBT and vPvB assessment:

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

12.6 Other adverse effects: No further relevant information available.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment: Smaller quantities can be disposed of with household waste. **Uncleaned packaging:** Disposal must be made according to official regulations.

SECTION 14: TRANSPORT INFORMATION

14.1 ADR, ADN, IMDG, IATA

UN Number:	None
UN proper shipping name:	None
Transport hazard class:	None
Packing group:	None
14.2 Environmental hazards: Marine pollutant:	No

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14.3 Special precautions for user:	Not applicable
14.4 Transport in bulk (Annex II of Marpol/IBC Code):	Not applicable
14.5 UN Model Regulation:	None

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations:

Directive 2012/18/EU – Named dangerous substances

- Annex I: None listed

Directive 2011/65/EU

- Annex II: None listed

Regulation (EU) 2019/1148

- Annex I (Restricted Explosives Precursors): None listed
- Annex II (Reportable Explosives Precursors): None listed

Regulation (EC) No 273/2004 (drug precursors):

None listed

Regulation (EC) No 111/2005 (trade monitoring between the Community and 3rd countries in drug precursors):

None listed

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: OTHER INFORMATION

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. Classification in accordance with Delegated Regulation (EU) 2021/849 of 28 May 2021 adapting to technical and scientific progress GB CLP for the 17th time and amending table 3 of Annex VI part 3 of Regulation (EC) 1272/2008.

Abbreviations and acronyms:

ADR: European Agreement Concerning the International Carriage of Dangerous Goods by Road

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative