



Safety data sheet

according to 1907/2006/EC, Article 31 & 2020/878/EC

Printing date 11.10.2022

Version number 1

Revision: 11.10.2022

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

· 1.1 Product identifier

· Trade name: Tecdrit Anhydrite

· Article number / formula: J3-0022

· CAS Number:

7778-18-9

· EC number:

231-900-3

· Registration number 01-2119444918-26

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

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

· Application of the substance / the preparation :

Pigment

Adsorbent

Additive for polymers

pH-corrective agent

Pharmaceutical intermediate

Chemicals for synthesis

Food additives

Additive

Binder

· 1.3 Details of the supplier of the safety data sheet

· Manufacturer/Supplier:

Anhydritec LTD

221 Europa Boulevard

West brock

Warrington, Cheshire

WA57TN

Tel: 01925428780

Fax:01925428788

· 1.4 Emergency telephone number:

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

Ireland - Tel : 00 353 1 8092568 - 00 353 1 8379964 (24h/24) EU Tel: 112

Belgium - Brüssel: +32 070/245 245

UK : Call NHS 999 in a medical emergency. If you urgently need medical help or advice but it's not a life-threatening situation, call 111 (24/7). The NHS 111 number is currently only available in certain areas. If you're outside of these areas, you should call NHS Direct on 0845 4647

Swiss Toxicological Information Centre (Zürich) : +41 44 251 51 51 / www.toxi.ch.

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SECTION 2: Hazards identification

· 2.1 Classification of the substance or mixture

· Classification according to Regulation (EC) No 1272/2008 :



GHS07

Eye Irrit. 2 H319 Causes serious eye irritation.

· 2.2 Label elements

· Labelling according to Regulation (EC) No 1272/2008

The substance is classified and labelled according to the GB CLP regulation.

· Hazard pictograms



GHS07

· Signal word Warning

· Hazard statements

H319 Causes serious eye irritation.

· Precautionary statements

P264 Wash thoroughly after handling.

P280 Wear eye protection / face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

· 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/information on ingredients

· 3.1 Chemical characterisation: Substances

· CAS No. Description

CAS: 7778-18-9 calcium sulphate

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· **Identification number(s)**

· **EC number:** 231-900-3

· **Dangerous components:**

CAS: 1305-62-0	calcium dihydroxide	≤1%
EINECS: 215-137-3	☠ Eye Dam. 1, H318; ☠ Skin Irrit. 2, H315; STOT SE 3, H335	
RTECS: EW 2800000		
Reg.nr.: 01-2119475151-45		
01-2119475325-36		

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:**
If skin irritation continues, consult a doctor.
Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** Do not induce vomiting; call for medical help immediately.

· **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:** Use fire extinguishing methods suitable to surrounding conditions.
- **5.2 Special hazards arising from the substance or mixture :** No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:** No special measures required.

SECTION 6: Accidental release measures

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

Wear a respiratory protective device.
Avoid formation of dust.

· **6.2 Environmental precautions:**

Do not allow the product to enter sewers/ surface water or ground water.

· **6.3 Methods and material for containment and cleaning up:** Pick up mechanically.

· **6.4 Reference to other sections :**

See Section 7 for information on safe handling.

See Section 8 for information on personal protective equipment.

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See Section 13 for disposal information.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling :**
Thorough dedusting.
Keep receptacles tightly sealed.
Prevent formation of dust.
Ensure good ventilation/exhaustion at the workplace.
- **Information about fire - and explosion protection:** No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **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 that require monitoring at the workplace:**

CAS: 7778-18-9 calcium sulphate (50-100%)

MAK (Switzerland) Long-term value: 3 a mg/m³
SSc;

CAS: 7789-75-5 calcium fluoride (<4%)

WEL (Great Britain) Long-term value: 2.5 mg/m³
as F

IOELV (EU) Long-term value: 2.5 mg/m³
as F

MAK (Switzerland) Short-term value: 4e mg/m³
Long-term value: 1e mg/m³
H B SSc;als F berechnet

CAS: 1305-62-0 calcium dihydroxide (≤1%)

WEL (Great Britain) Short-term value: 4* mg/m³
Long-term value: 5 1* mg/m³
*resprable fraction

IOELV (EU) Short-term value: 4 mg/m³
Long-term value: 1 mg/m³
Respirable fraction

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MAK (Switzerland) Long-term value: 5 e mg/m³
SSc;

· DNELs

CAS: 7778-18-9 calcium sulphate

Oral	DNEL Public long-term systemic	1.52 mg/kg bw/d
Inhalative	DNEL Public long-term systemic	mg/m ³
	DNEL Worker long-term systemic	21 mg/m ³
	DNEL Public acute/short-term local effects	3,811 mg/m ³
	DNEL Worker acute/short-term local effects	5,082 mg/m ³

· PNECs

CAS: 7778-18-9 calcium sulphate

PNEC STP 100 mg/L

· Ingredients with biological limit values:

CAS: 7789-75-5 calcium fluoride (<4%)

BAT (Switzerland) 4 mg/g Kreatinin
Medium: U
Sampling time: b
Parameter: Fluorid

· 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:

The usual precautionary measures are to be adhered to when handling chemicals.

· 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.

· Protection of hands:



Protective gloves

· Gloves material : Rubber gloves

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· **Eye protection:**



Safety glasses

SECTION 9: Physical and chemical properties

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

· **General Information**

· **Appearance:**

· **Form:** Powder

· **Colour:** White

· **Odour:** Characteristic

· **Odour threshold:** Not determined.

· **pH-value (50 g/l) at 20 °C:** >11

· **Change in condition**

· **Melting point/freezing point:** 1.450 °C

· **Initial boiling point and boiling range:** Undetermined.

· **Flash point:** Not applicable.

· **Flammability (solid, gas):** Product is not flammable.

· **Ignition temperature:** Not applicable.

· **Decomposition temperature:** Not determined.

· **Auto-ignition temperature:** Not determined.

· **Explosive properties:** Product does not present an explosion hazard.

· **Explosion limits:**

· **Lower:** Not determined.

· **Upper:** Not determined.

· **Vapour pressure:** Not applicable.

· **Density at 20 °C:** 2.96 g/cm³

· **Relative density :** Not determined.

· **Vapour density :** Not applicable.

· **Evaporation rate :** Not applicable.

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- **Solubility in / Miscibility with water at 20 °C:** 2 g/l
- **Segregation coefficient (n-octanol/water):** Not determined.
- **Viscosity:**
 - Dynamic: Not applicable.
 - Kinematic: Not applicable.
 - Kinematic: Not applicable.
- **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**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions :** No dangerous reactions known.
- **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 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.
- **LD/LC50 values relevant for classification:**
CAS: 1305-62-0 calcium dihydroxide
Oral LD50 7,340 mg/kg (rat)
- **Primary irritant effect:**
- **On the skin:** Based on available data, the classification criteria are not met.
- **On the eyes:**
Causes serious eye irritation.
- **Respiratory or skin sensitization** Based on available data, the classification criteria are not met.
- **Additional toxicological information:**
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **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.

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- **Aspiration hazard** Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

· 12.1 Toxicity

· Aquatic toxicity:

CAS: 7778-18-9 calcium sulphate

LC50 96h >79 mg/l (fish)

EC50 72h >79 mg/l (Algae)

EC50 48h >79 mg/l (daphnia)

- **12.2 Persistence and degradability** : 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:**

· **General notes:**

Water hazard class 1 (German Regulation) (Assessment by list): slightly hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water course 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 methods

- **Recommendation** : Smaller quantities can be disposed of with household waste.

· **European waste catalogue**

01 00 00 WASTES RESULTING FROM EXPLORATION, MINING, QUARRYING, AND PHYSICAL AND CHEMICAL TREATMENT OF MINERALS

01 01 00 wastes from mineral excavation

01 01 02 wastes from mineral non-metalliferous excavation

· **Uncleaned packaging:**

- **Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information

· 14.1 UN-Number

- **ADR, ADN, IMDG, IATA** none

· 14.2 UN proper shipping name

- **ADR, ADN, IMDG, IATA** none

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· **14.3 Transport hazard class(es)**

· **ADR, ADN, IMDG, IATA**

· **Class** none

· **14.4 Packing group**

· **ADR, IMDG, IATA** none

· **14.5 Environmental hazards:** Not applicable.

· **14.6 Special precautions for user** Not applicable.

· **14.7 Transport in bulk according to Annex II of Marpol and the IBC Code** Not applicable.

· **UN "Model Regulation":** none

SECTION 15: Regulatory information

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

· **Directive 2012/18/EU**

· **Named dangerous substances - ANNEX I** Substance is not listed.

· **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

· **REGULATION (EU) 2019/1148**

· **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

· **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

· **Regulation (EC) No 273/2004 on drug precursors**

None of the ingredients is listed.

· **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

None of the ingredients is 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.

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· **Relevant phrases**

H315 Causes skin irritation.

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

· **Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (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 (division of the American Chemical Society)

DNEL: Derived No-Effect Level (UK REACH)

PNEC: Predicted No-Effect Concentration (UK REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3