

Safety Data Sheet
 according to Regulation (EC) No 1907/2006, Article 31, as amended
 by Regulation (EU) 2020/878.

Printing date 16.01.2026

Version number 1

Revision: 08.10.2025

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

1.1 Product identifier

Trade name: TC-Additive

Safety data sheet no.: 44P10841

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

No further relevant information available.

Application of the substance / the mixture Construction chemicals

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

Kilwaughter Minerals Ltd.

9 Starbog Road

Larne

United Kingdom

BT40 2TJ

Phone: 028 2826 0766

Fax: 028 2826 0136

KilwaughterSDS@saint-gobain.com

1.4 Emergency telephone number:

- Ireland: National Poisons Information Centre: +353 (1) 809 2166 (Members of the public 8am - 10pm, 7 days a week) ; +353 (1) 809 2566 (Healthcare professionals only 24/7)

- Iceland: Poisons Information Center - Icelandic University Hospital: +354 543 2222

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008



GHS05 corrosion

Eye Dam. 1 H318 Causes serious eye damage.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

Hazard pictograms



GHS05

Signal word Danger

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Hazard-determining components of labelling:

 aluminium sulphate
 Ammonium hydroxide

Hazard statements

 H315 Causes skin irritation.
 H318 Causes serious eye damage.
 H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

 P273 Avoid release to the environment.
 P280 Wear protective gloves / 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.
 P310 Immediately call a POISON CENTER/doctor.
 P332+P313 If skin irritation occurs: Get medical advice/attention.
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other hazards
Results of PBT and vPvB assessment
PBT: Does not contain PBT substances.

vPvB: Does not contain vPvB substances.

Determination of endocrine-disrupting properties

Does not contain substances with endocrine-disrupting properties.

SECTION 3: Composition/information on ingredients

3.2 Mixtures
Description: Mixture consisting of the following components.

Dangerous components:

CAS: 10043-01-3 EINECS: 233-135-0 Reg.nr.: 01-2119531538-36-xxxx	aluminium sulphate ☠ Met. Corr.1, H290; Eye Dam. 1, H318 substance with a Community workplace exposure limit	≥3-≤5%
CAS: 1336-21-6 EINECS: 215-647-6 Index number: 007-001-01-2 Reg.nr.: 01-2119488876-14-xxxx	Ammonium hydroxide ☠ Skin Corr. 1B, H314; Eye Dam. 1, H318; ☠ Aquatic Acute 1, H400 (M=1); ⚠ STOT SE 3, H335 Note: B Specific concentration limit: STOT SE 3; H335: C ≥ 5 % substance with a Community workplace exposure limit	≥3-<5%

SVHC Void

Additional information For the wording of the listed hazard statements refer to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures
General information

 Immediately remove any clothing soiled by the product.
 Never administer anything by mouth to an unconscious person.
 If unconscious, place the patient in a stable side position and consult a doctor

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Seek medical treatment.

After inhalation Supply fresh air; consult doctor in case of complaints.

After skin contact Immediately wash with water and soap and rinse thoroughly.

After eye contact

Remove contact lenses, if present and if it is easy to do. Wash eyes with plenty of clean and lukewarm water for at least 15 minutes while pulling eyelids up, and seek medical assistance. Don't let the person to rub the affected eye.

After swallowing

Rinse mouth. DO NOT induce vomiting. If symptoms persist consult a doctor.

Rinse your mouth thoroughly and drink 1-2 glasses of water in small sips.

4.2 Most important symptoms and effects, both acute and delayed

Irritant product, repeated or prolonged contact with skin or mucous membranes can cause redness, blisters or dermatitis, inhalation of spray mist or particles in suspension may cause irritation of the respiratory tract, some symptoms may not be immediate

Irritation of the eye tissue, watery eyes

4.3 Indication of any immediate medical attention and special treatment needed

Show the safety data sheet or the label of this product to the doctor.

SECTION 5: Firefighting measures

5.1 Extinguishing media
Suitable extinguishing agents

Water

Water haze

Water spray

5.2 Special hazards arising from the substance or mixture

During fire, dense black smoke is produced.

Formation of toxic gases is possible during heating or in case of fire.

In case of fire, the following can be released:

 Sulfur oxides (SO_x)

Metal oxides

5.3 Advice for firefighters
Protective equipment:

Protective and inhalation equipment may be used according to magnitude of the fire. Minimum emergency equipment should be present (fire blanket, first aid kit, etc).

Wear fully protective suit for firefighting (clothes, helmets, boots, gloves) conforming to European standard EN 469.

Wear eye protection.

Wear self-contained respiratory protective device.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid contact with skin and eyes.

6.2 Environmental precautions:

Inform respective authorities in case of seepage into water course or sewage system.

Do not drain into drains or public water systems. Alert the relevant authorities if the liquid enters a sewer or open water.

Do not allow product to reach sewage system or any water course.

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6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Use neutralising agent.

Dispose of contaminated material as waste according to section 13.

6.4 Reference to other sections

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Keep receptacles tightly sealed.

Avoid contact with skin and eyes.

Packaging must remain undamaged to prevent the product from leaking into the environment.

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 unopened original receptacles.

Ensure sufficient ventilation for storage and work areas.

Information about storage in one common storage facility: Store away from foodstuffs.

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
Ingredients with limit values that require monitoring at the workplace:

DNELs		
CAS: 10043-01-3 aluminium sulphate		
Oral	Derived No Effect Level	1.9 mg/kgxday (consumer systemic long term value)
Dermal	Derived No Effect Level	3.8 mg/kgxday (worker systemic long term value) 1.9 mg/kgxday (consumer systemic long term value)
Inhalative	Derived No Effect Level	13.4 mg/m ³ (worker systemic long term value) 3.3 mg/m ³ (consumer systemic long term value)
CAS: 1336-21-6 Ammonium hydroxide		
Oral	Derived No Effect Level	6.8 mg/kgxday (consumer systemic long term value)
Dermal	Derived No Effect Level	6.8 mg/kgxday (worker systemic long term value) 6.8 mg/kgxday (consumer systemic long term value)
Inhalative	Derived No Effect Level	47.6 mg/m ³ (worker systemic long term value) 23.8 mg/m ³ (consumer systemic long term value)

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PNECs	
CAS: 1336-21-6 Ammonium hydroxide	
Predicted No-Effect Concentration	0.022 mg/kgxdwt (earth rating factor)
Predicted No-Effect Concentration	0.001 mg/l (sea water rating factor)
	0.001 mg/l (fresh water rating factor)

CAS No. / Designation of material / % / Type / Value / Unit	
CAS: 10043-01-3 aluminium sulphate	
MAK (Germany)	Long-term value: 0.0002E mg/m ³ als Al
GV (Denmark)	Short-term value: 2 mg/m ³ Long-term value: 1 mg/m ³ som Al
OEL (Sweden)	Long-term value: 1 mg/m ³ som Al; totaldamm
HTP (Finland)	Long-term value: 1 mg/m ³ Al
CAS: 1336-21-6 Ammonium hydroxide	
AGW (Germany)	Long-term value: 14 mg/m ³ , 20 ppm 2(I);DFG, EU, Y
HTP (Finland)	Short-term value: 36 mg/m ³ , 50 ppm Long-term value: 14 mg/m ³ , 20 ppm

8.2 Exposure controls

Appropriate engineering controls No further data; see section 7.

Individual protection measures, such as personal protective equipment

General protective and hygienic measures:

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

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Avoid contact with the skin.

Avoid contact with the eyes and skin.

Use a moisturising skin cream after processing the product.

Respiratory protection: Not required

Hand protection

Protective gloves.

Check protective gloves prior to each use for their proper condition.

Eye/face protection Protective eyewear (standard EN 166)

Body protection: Protective work clothing.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Physical state

Liquid

Colour:

Yellow

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Odour:	Ammonia-like
Odour threshold:	Not determined
Melting point/freezing point:	Undetermined
Boiling point or initial boiling point and boiling range	Undetermined
Flammability	Not applicable
Lower and upper explosion limit	
Lower:	Not determined
Upper:	Not determined
Flash point:	Not applicable
Auto-ignition temperature:	Not determined.
Decomposition temperature:	Not determined
pH at 20 °C	9.5
Viscosity:	
Kinematic viscosity at 20 °C	4,000 mm ² /s (DIN ISO 2431)
	Not determined.
dynamic:	Not determined.
Solubility	
Water:	Fully miscible
Partition coefficient n-octanol/water (log value)	Not determined
Vapour pressure:	Not determined
Density and/or relative density	
Density at 20 °C:	~1 g/cm ³ (DIN 51757)
Relative density	Not determined
Bulk density:	Not applicable.
Vapour density	Not determined

9.2 Other information

Appearance:	
Form:	Liquid
Important information on protection of health and environment, and on safety.	
Ignition temperature:	Product is not self-igniting.
Explosive properties:	Product does not present an explosion hazard.
Minimum ignition energy	
Solvent separation test:	Not applicable.
Change in condition	
Softening point/range	
Oxidising properties	Not determined.
Evaporation rate	Not determined

Information with regard to physical hazard classes

Explosives	Void
Flammable gases	Void
Aerosols	Void
Oxidising gases	Void
Gases under pressure	Void
Flammable liquids	Void
Flammable solids	Void

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Self-reactive substances and mixtures	Void
Pyrophoric liquids	Void
Pyrophoric solids	Void
Self-heating substances and mixtures	Void
Substances and mixtures, which emit flammable gases in contact with water	Void
Oxidising liquids	Void
Oxidising solids	Void
Organic peroxides	Void
Corrosive to metals	Void
Desensitised explosives	Void

SECTION 10: Stability and reactivity

10.1 Reactivity No further relevant information available.

10.2 Chemical stability Stable at recommended storage conditions

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 hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity Based on available data, the classification criteria are not met.

LD/LC50 values relevant for classification:

Components	Type	Value	Species
CAS: 10043-01-3 aluminium sulphate			
Oral	LD50	>2,000 mg/kg	(Rat)
Dermal	LD50	>5,000 mg/kg	(Rabbit)

Primary irritant effect:

Skin corrosion/irritation Causes skin irritation.

Serious eye damage/irritation Causes serious eye damage.

Respiratory or skin sensitisation Based on available data, the classification criteria are 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.

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11.2 Information on other hazards
Endocrine disrupting properties

None of the ingredients is listed.

SECTION 12: Ecological information

12.1 Toxicity
Aquatic toxicity:

Harmful to aquatic life with long lasting effects (H412).

Harmful to aquatic life with long lasting effects.

Type of test / Effective concentration / Method / Assessment
CAS: 10043-01-3 aluminium sulphate

LC50/48h	7.8-38.2 mg/l (aquatic invertebrates)
LC50/96h	0.42-85.9 mg/l (Fish)
EC50/24h	0.012 mg/l (aquatic invertebrates)
EC50/48h	0.014-22.4 mg/l (aquatic algae and cyanobacteria)
	0.33-870 mg/l (aquatic invertebrates)
EC50/96h	0.173 mg/l (aquatic algae and cyanobacteria)
EC50/72h	0.017-0.699 mg/l (aquatic algae and cyanobacteria)
NOEC (72h)	0.02-0.046 mg/l (aquatic algae and cyanobacteria)
NOEC (96h)	≥1,000 mg/l (Fish)
	>45.7 mg/l (microorganisms)
NOEC (48h)	0.15-160 mg/l (aquatic invertebrates)
NOEC (21d)	0.6 mg/l (aquatic invertebrates)

CAS: 1336-21-6 Ammonium hydroxide

LC50/48h	101 mg/l (aquatic invertebrates)
LC50/96h	0.083 mg/l (Fish)
NOEC (72h)	≥15 mg/l (aquatic algae and cyanobacteria)
NOEC (21d)	0.79 mg/l (aquatic invertebrates)

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.

12.5 Results of PBT and vPvB assessment
PBT: Does not contain PBT substances.

vPvB: Does not contain vPvB substances.

12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

12.7 Other adverse effects
Remark: Harmful to fish

Additional ecological information:
General notes:

Do not allow product to reach ground water, water course or sewage system.

Must not reach sewage water or drainage ditch undiluted or unneutralised.

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Harmful to aquatic organisms

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SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation Dispose of the product in accordance with national and local regulations.

European waste catalogue

HP14 Ecotoxic

Uncleaned packaging:

Recommendation:

Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

Recommended cleaning agent: Water, if necessary together with cleansing agents.

SECTION 14: Transport information

**14.1 UN number or ID number
ADR, IMDG, IATA**

Void

**14.2 UN proper shipping name
ADR, IMDG, IATA**

Void

14.3 Transport hazard class(es)
**ADR, ADN, IMDG, IATA
Class**

Void

**14.4 Packing group
ADR, IMDG, IATA**

Void

14.5 Environmental hazards:

Not applicable

14.6 Special precautions for user

Not applicable

**14.7 Maritime transport in bulk according to
IMO instruments**

Not applicable

UN "Model Regulation":

Void

SECTION 15: Regulatory information

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

Regulation (EC) No 1907/2006 (REACH) (Candidate List, Annexes XIV and XVII)

Regulation (EC) No 1272/2008 (CLP)

Regulation (EU) 2020/878 (amending REACH Annex II on the compilation of safety data sheets)

Labelling according to Regulation (EC) No 1272/2008 cf. section 2

Directive 2012/18/EU

Named dangerous substances - ANNEX I None of the ingredients is listed.

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REGULATION (EU) 2017/852 on mercury (Annex I)

None of the ingredients is listed.

REGULATION (EU) 2019/1021 on persistent organic pollutants (POP)

None of the ingredients is listed.

REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3
Regulation (EU) No 649/2012

None of the ingredients is 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.

REGULATION (EU) 2024/590 on substances that deplete the ozone layer

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.

This Safety Data Sheet is in compliance with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

Relevant phrases

The following list of relevant hazard statements is the full text of hazard statements mentioned elsewhere in this safety data sheet (in particular in the section 3) and is reported as required by the Regulation (EC) No 1907/2006 (REACH), Annex II, and the following amendments (Regulation (EU) 2020/878). The statements mentioned here do not refer to the product itself, but refer to the individual ingredients in the products, and are provided for information.

H290 May be corrosive to metals.

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

H400 Very toxic to aquatic life.

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Classification according to Regulation (EC) No 1272/2008

Skin corrosion/irritation Serious eye damage/irritation	The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.
Hazardous to the aquatic environment - long-term (chronic) aquatic hazard	Expert judgement

Department issuing SDS: EHS
Contact:

Kilwaughter SDS

Phone: 028 2826 0766

KilwaughterSDS@saint-gobain.com

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

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organisation

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 (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern (REACH regulation)

vPvB: very Persistent and very Bioaccumulative

Met. Corr. 1: Corrosive to metals – Category 1

Skin Corr. 1B: Skin corrosion/irritation – Category 1B

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

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

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

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

*** Data compared to the previous version altered.**

According to Annex II of the REACH regulation, the modified sections in this version of the Safety Data Sheet in comparison with the previous one are marked with asterisks.