

**SAFETY DATA SHEET**

Tekcem 007

According to the REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577, as amended.

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Product name Tekcem 007

Product number 7687/11910

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

Identified uses Admixture for use in Construction Industry, Liquid Screed Additive

1.3. Details of the supplier of the safety data sheet

Supplier TekGroup Limited
The Screed Development Centre
Unit 1 Power Park, Commercial Road
Goldthorpe Industrial Estate
Rotherham
S63 9BL
Tel: 03300 553 714
info@thetekgroup.co.uk

1.4. Emergency telephone number

Emergency telephone TekGroup Limited Tel: 03300 553 714, (8.30am-5pm Monday to Friday)

National emergency telephone number NHS Direct 111 (GB) National Poisons Information Service Tel: +44 344 892 0111 (UK) - Medical Professionals Only National Poisons Information Centre Tel: +353 (01) 809 2566 (Ireland) - Healthcare Professionals only (24 hour service)

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture**

Classification (SI 2019 No. 720)

Physical hazards Not Classified

Health hazards Not Classified

Environmental hazards Not Classified

2.2. Label elements

Hazard statements EUH208 Contains reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction.

Precautionary statements P262 Do not get in eyes, on skin, or on clothing.

2.3. Other hazards**SECTION 3: Composition/information on ingredients****3.2. Mixtures**

Composition comments No classified ingredients, or those having occupational exposure limits, present above the levels of disclosure.

SECTION 4: First aid measures**4.1. Description of first aid measures**

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Inhalation	Not relevant.
Ingestion	To hospital if larger quantity has been consumed.
Skin contact	Rinse immediately with plenty of water. Get medical attention if irritation persists after washing.
Eye contact	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention immediately. Continue to rinse.

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

Inhalation	No specific symptoms known.
Ingestion	May cause discomfort if swallowed.
Skin contact	Prolonged contact may cause redness, irritation and dry skin.
Eye contact	May cause temporary eye irritation.

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

Notes for the doctor	Treat symptomatically.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Use fire-extinguishing media suitable for the surrounding fire. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.
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5.2. Special hazards arising from the substance or mixture

Specific hazards	No unusual fire or explosion hazards noted.
Hazardous combustion products	Does not decompose when used and stored as recommended.

5.3. Advice for firefighters

Protective actions during firefighting	If risk of water pollution occurs, notify appropriate authorities. Control run-off water by containing and keeping it out of sewers and watercourses.
Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Wear protective clothing as described in Section 8 of this safety data sheet.
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6.2. Environmental precautions

Environmental precautions	Do not discharge into drains or watercourses or onto the ground. Avoid release to the environment. Contain and control the spillage on site.
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6.3. Methods and material for containment and cleaning up

Methods for cleaning up	Absorb in vermiculite, dry sand or earth and place into containers. Flush spilled material into suitable retaining areas or container with large quantities of water. Inform authorities if large amounts are involved.
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6.4. Reference to other sections

Reference to other sections	No additional information available
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions	Avoid spilling. Avoid contact with skin and eyes.
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7.2. Conditions for safe storage, including any incompatibilities

Storage precautions	Keep above the chemical's freezing point to avoid rupturing the container. Avoid extremes of temperature especially frost and freezing conditions. Store in tightly-closed, original container.
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Storage class Unspecified storage.

7.3. Specific end use(s)

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

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Ingredient comments No additional information available

SODIUM ETASULPHATE (CAS: 126-92-1)

DNEL

Workers - Inhalation; systemic effects: 285 mg/m³
 Workers - Dermal; systemic effects: 4060 mg/kg bw/day
 Consumer - Inhalation; systemic effects: 85 mg/m³
 Consumer - Dermal; systemic effects: 2440 mg/kg bw/day
 Consumer - Oral; systemic effects: 24 mg/kg bw/day

PNEC

- Fresh water; 0.1357 mg/l
 - marine water; 0.01357 mg/l
 - Intermittent release; 4.83 mg/l
 - Sediment (Freshwater); 1.5 mg/kg
 - Sediment (Marinewater); 0.15 mg/kg
 - STP; 1.35 mg/l
 - Soil; 0.22 mg/kg

8.2. Exposure controls

Protective equipment



Appropriate engineering controls No specific ventilation requirements.

Eye/face protection The following protection should be worn: Chemical splash goggles.

Hand protection Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.

Other skin and body protection Wear appropriate clothing to prevent repeated or prolonged skin contact.

Hygiene measures Do not eat, drink or smoke when using this product.

Respiratory protection No specific recommendations. Respiratory protection may be required if excessive airborne contamination occurs.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance Liquid.

Colour Amber.

Odour Mild (or faint).

pH pH (concentrated solution): 4.0-6.0

Relative density 1.067 @ 20°C

Solubility(ies) Soluble in water.

Comments All data given are typical values and must not be taken as a specification.

9.2. Other information

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Other information Not available.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stability No particular stability concerns.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Will not polymerise.

10.4. Conditions to avoid

Conditions to avoid Avoid freezing. There are no known conditions that are likely to result in a hazardous situation.

10.5. Incompatible materials

Materials to avoid Never mix with other materials

10.6. Hazardous decomposition products

Hazardous decomposition products No known hazardous decomposition products.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects No information available.

General information This product has low toxicity. Only large quantities are likely to have adverse effects on human health.

Ingestion No harmful effects expected from quantities likely to be ingested by accident.

Skin contact Skin irritation should not occur when used as recommended.

Eye contact May cause temporary eye irritation.

Acute and chronic health hazards Repeated exposure may cause chronic eye irritation. Mild dermatitis, allergic skin rash.

Toxicological information on ingredients.

2,2',2"-NITRILOETHANOL

Carcinogenicity

IARC carcinogenicity IARC Group 3 Not classifiable as to its carcinogenicity to humans.

SODIUM ETASULPHATE

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 2,840.0

Species Rat

ATE oral (mg/kg) 2,840.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg) 2,001.0

Species Rat

Acute toxicity - inhalation

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Acute toxicity inhalation (LC₅₀ 6.0
dust/mist mg/l)

Species Mouse

ATE inhalation (dusts/mists
mg/l) 6.0

Oxirane, 2-methyl-polymer with oxirane, mono (2-propylheptyl) ether

Acute toxicity - oral

Acute toxicity oral (LD₅₀ 1,150.0
mg/kg)

Species Rat

ATE oral (mg/kg) 1,150.0

reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

Acute toxicity - oral

Acute toxicity oral (LD₅₀ 457.0
mg/kg)

Species Rat

ATE oral (mg/kg) 457.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ 660.0
mg/kg)

Species Rabbit

ATE dermal (mg/kg) 660.0

Acute toxicity - inhalation

Species Rabbit

ATE inhalation (dusts/mists
mg/l) 0.5

SECTION 12: Ecological information

Ecotoxicity Low acute toxicity to aquatic organisms.

12.1. Toxicity

Toxicity Not considered toxic to fish.

Ecological information on ingredients.

2,2',2"-NITRILOETHANOL

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, 96 hours: 450-1000 mg/l, Fish

Acute toxicity - aquatic
invertebrates EC₅₀, 48 hours: 1390 mg/l, Daphnia magna

Acute toxicity - aquatic plants IC₅₀, 72 hours: 216 mg/l, Algae

SODIUM ETASULPHATE

Acute aquatic toxicity

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Acute toxicity - fish	LC ₅₀ , 96 hours: >100 mg/l, Oncorhynchus mykiss (Rainbow trout)
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: 483 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC ₅₀ , 72 hours: >511 mg/l, Desmodesmus subspicatus
Acute toxicity - microorganisms	EC ₅₀ , 3 hours: 135 mg/l,
Chronic aquatic toxicity	
Chronic toxicity - fish early life stage	NOEC, 42 days: >1.357 mg/l, Pimephales promelas (Fat-head Minnow)
Chronic toxicity - aquatic invertebrates	NOEC, 21 days: 1.4 mg/l, Daphnia magna

Oxirane, 2-methyl-polymer with oxirane, mono (2-propylheptyl) ether

Acute aquatic toxicity

Acute toxicity - fish	LC ₅₀ , 96 hours: >10-100 mg/l, Brachydanio rerio (Zebra Fish)
Acute toxicity - aquatic invertebrates	LC ₅₀ , 48 hours: >10-100 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC ₅₀ , : >10-100 mg/l, Scenedesmus subspicatus EC ₁₀ , : >1 mg/l, Desmodesmus subspicatus

reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

Acute aquatic toxicity

LE(C) ₅₀	0.001 < L(E)C ₅₀ ≤ 0.01
M factor (Acute)	100
Acute toxicity - fish	LC ₅₀ , 96 hours: 0.58 mg/l, Danio rerio (zebra fish) LC ₅₀ , 96 hours: 0.19 mg/l, Oncorhynchus mykiss (Rainbow trout)
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: 0.16 mg/l, Daphnia magna
Acute toxicity - aquatic plants	IC ₅₀ , 72 hours: 0.379 mg/l, Pseudokirchneriella subcapitata NOEC, 72 hours: 0.0012 mg/l, Pseudokirchneriella subcapitata EC ₅₀ , 48 hours: 0.0052 mg/l, Skeletonema costatum NOEC, 48 hours: 0.00064 mg/l, Skeletonema costatum EC ₅₀ , 72 hours: 0.027 mg/l, Selenastrum capricornutum
Acute toxicity - microorganisms	EC ₂₀ , 3 hours: 0.97 mg/l, Activated sludge EC ₅₀ , 3 hours: 7.92 mg/l, Activated sludge
Chronic aquatic toxicity	
M factor (Chronic)	100
Chronic toxicity - fish early life stage	NOEC, 28 days: 0.098 mg/l, Oncorhynchus mykiss (Rainbow trout)
Chronic toxicity - aquatic invertebrates	NOEC, 21 days: 0.004 mg/l, Daphnia

12.2. Persistence and degradability

Persistence and degradability There are no data on the degradability of this product.

Ecological information on ingredients.

SODIUM ETASULPHATE

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Persistence and degradability The product is biodegradable.

Oxirane, 2-methyl-polymer with oxirane, mono (2-propylheptyl) ether

Biodegradation - Degradation >60%: 28 days

12.3. Bioaccumulative potential

Bioaccumulative potential The product does not contain any substances expected to be bioaccumulating.

Ecological information on ingredients.

reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

Bioaccumulative potential BCF: ~ 3.16,

Partition coefficient log Kow: ≤ 0.71

12.4. Mobility in soil

Mobility The product is non-volatile.

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 None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

EURAL Code

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 warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant
No.

14.6. Special precautions for user

Not applicable.

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

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Transport in bulk according to
Annex II of MARPOL 73/78 and
the IBC Code

Not applicable.

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Danish product registration
number

Danish national regulations

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Revision comments	Revision is due to company name change Revision is to change emergency telephone number
Revision date	14/02/2023
Revision	5
Supersedes date	06/12/2018
SDS number	7687/11910
Hazard statements in full	EUH208 Contains reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction.