
Safety data sheet according to Regulation (EC) No. 1907/2006 as amended from time to time.

Date / Revised: 19.11.2020

Version: 7.3

Date previous version: 30.09.2020

Previous version: 7.2

Product: **FIRETITE™**

(ID no. 30694649/SDS_GEN_EU/EN)

Date of print 22.12.2020



Safety data sheet

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

1.1. Product identifier

FIRETITE T0

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

Relevant identified uses: Raw material

Recommended use: Chemical

1.3. Details of the supplier of the safety data sheet

Company:

ECON Polyurethane
Unit 6/7 Block 14G Grants Ave
Greenogue Bus Pk
Dublin D24TN99

E-mail address: info@econ-pu.com

1.4. Emergency telephone number

International emergency number: Telephone: +49 180 2273-112

Members of Public in England, Scotland & Wales contact NHS111/NHS24 by dialing 111 and in the Republic of Ireland call +353 1 8092166

SECTION 2: Hazards Identification

2.1. Classification of the substance or mixture

For the classification of the mixture the following methods have been applied: extrapolation on the concentration levels of the hazardous substances, on basis of test results and after evaluation of experts. The methodologies used are mentioned at the respective test results.

Safety data sheet according to Regulation (EC) No. 1907/2006 as amended from time to time.

Date / Revised: 19.11.2020

Version: 7.3

Date previous version: 30.09.2020

Previous version: 7.2

Product: **FIRETITE™ T0**

(ID no. 30694649/SDS_GEN_EU/EN)

Date of print 22.12.2020

According to Regulation (EC) No 1272/2008 [CLP]

Eye Dam./Irrit. 2

H319 Causes serious eye irritation.

For the classifications not written out in full in this section the full text can be found in section 16.

2.2. Label elements

Globally Harmonized System, EU (GHS)

Pictogram:



Signal Word:

Warning

Hazard Statement:

H319 Causes serious eye irritation.

Precautionary Statements (Prevention):

P280 Wear eye and face protection.

P264 Wash contaminated body parts thoroughly after handling.

Precautionary Statements (Response):

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 + P311 If eye irritation persists: Call a POISON CENTER or physician.

2.3. Other hazards

SECTION 3: Composition/Information on Ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Chemical nature

Hazardous ingredients (GHS)

according to Regulation (EC) No. 1272/2008

Safety data sheet according to Regulation (EC) No. 1907/2006 as amended from time to time.

Date / Revised: 19.11.2020

Version: 7.3

Date previous version: 30.09.2020

Previous version: 7.2

Product: **FIRETITE™ T0**

(ID no. 30694649/SDS_GEN_EU/EN)

Date of print 22.12.2020

D-Glucopyranose, oligomeric, C10-16-alkyl glycosides

Content (W/W): $\geq 0.285\%$ - $< 2.36\%$ Skin Corr./Irrit. 2

Eye Dam./Irrit. 1

CAS Number: 110615-47-9 H318, H315

REACH registration number: 01-2119489418-23

Specific concentration limit:

Eye Irrit. 1: $> 12\%$

Skin Corr./Irrit. 2: $> 30\%$

Potassium methylsilanetriolate

Content (W/W): $\geq 0.25\%$ - $\leq 4.9\%$ Skin Corr./Irrit. 1A

Eye Dam./Irrit. 1

CAS Number: 31795-24-1 H314

EC-Number: 250-807-9

REACH registration number: 01-2119517439-34

Alcohols, C12-14, ethoxylated, sulfates, sodium salts

Content (W/W): $\geq 0.945\%$ - $\leq 2.52\%$ Skin Corr./Irrit. 2

Eye Dam./Irrit. 1

CAS Number: 68891-38-3

Specific concentration limit:

Eye Irrit. 2: $> 10\%$ - $< 30\%$

Eye Dam. 1: $\geq 30\%$

For the classifications not written out in full in this section, including the hazard classes and the hazard statements, the full text is listed in section 16.

SECTION 4: First-Aid Measures

4.1. Description of first aid measures

Remove contaminated clothing.

If inhaled:

Immediately administer a corticosteroid from a controlled/metered dose inhaler.

On skin contact:

Wash off thoroughly with ample water. No hazards anticipated.

On contact with eyes:

Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

On ingestion

Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention.

Safety data sheet according to Regulation (EC) No. 1907/2006 as amended from time to time.

Date / Revised: 19.11.2020

Version: 7.3

Date previous version: 30.09.2020

Previous version: 7.2

Product: **FIRETITE™ T0**

(ID no. 30694649/SDS GEN EU/EN)

Date of print 22.12.2020

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

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

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

SECTION 5: Fire-Fighting Measures

5.1. Extinguishing media

Suitable extinguishing media:
water spray, dry powder, foam

5.2. Special hazards arising from the substance or mixture

Endangering substances: harmful vapours, carbon oxides, sulfur oxides

Advice: Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.

5.3. Advice for fire-fighters

SECTION 6: Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective clothing. Information regarding personal protective measures, see section 8.

6.2. Environmental precautions

6.3. Methods and material for containment and cleaning up

6.4. Reference to other sections

Information regarding exposure controls/personal protection and disposal considerations can be found in section 8 and 13.

SECTION 7: Handling and Storage

7.1. Precautions for safe handling

7.2. Conditions for safe storage, including any incompatibilities

Segregate from acids.

Suitable materials for containers: High density polyethylene (HDPE)

Unsuitable materials for containers: Aluminium

Further information on storage conditions: Keep container tightly closed.

Storage stability:

Storage temperature: 5 - 40 °C

Storage duration: 12 Months

Protect from temperatures below: -10 °C

Protect from temperatures above: 40 °C

7.3. Specific end use(s)

technical and organizational protective measures are preferable to use (personal protective Equipment must not be a permanent measure)

Safety data sheet according to Regulation (EC) No. 1907/2006 as amended from time to time.

Date / Revised: 19.11.2020

Version: 7.3

Date previous version: 30.09.2020

Previous version: 7.2

Product: **FIRETITE™ T0**

(ID no. 30694649/SDS_GEN_EU/EN)

Date of print 22.12.2020

SECTION 8: Exposure Controls/Personal Protection

8.1. Control parameters

8.2. Exposure controls

Appropriate engineering controls

No special precautions necessary.

Personal protective equipment

Respiratory protection:

Respiratory protection in case of vapour/aerosol release. (Particle filter EN 143 P2 or FFP2)

Eye protection:

Tightly fitting safety goggles (splash goggles) (e.g. EN 166)

Body protection:

Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).

General safety and hygiene measures

When using do not eat or drink. Handle in accordance with good industrial hygiene and safety practice.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Form:	liquid	
Colour:	colourless to yellowish clear	
Odour:	product specific	
pH value:	approx. 12.0 (water, 10 %(m), 23 °C)	(DIN EN 1262)
melting range:	-2 - 0 °C	(DIN ISO 3016)
Boiling point:	approx. >= 100 °C not determined, contains water	
Flash point:	Not determinable., Aqueous preparation	
Flammability:	not flammable	

Safety data sheet according to Regulation (EC) No. 1907/2006 as amended from time to time.

Date / Revised: 19.11.2020

Version: 7.3

Date previous version: 30.09.2020

Previous version: 7.2

Product: **FIRETITE™ T0**

(ID no. 30694649/SDS_GEN_EU/EN)

Date of print 22.12.2020

Ignition temperature:	Based on the water content the product does not ignite.	
Vapour pressure:	23.4 hPa (20 °C) contains water	
Density:	approx. 1.02 g/cm ³ (20 °C)	(DIN 51757)
Solubility in water:	soluble	
Partitioning coefficient n-octanol/water (log Kow):	not applicable	
Self ignition:	not self-igniting	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Viscosity, dynamic:	approx. 80 mPa.s (20 °C)	(ISO 12058-1)
	approx. 50 mPa.s (40 °C)	(ISO 12058-1)
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	

9.2. Other information

Hygroscopy:	Non-hygroscopic	
Surface tension:	approx. 40.7 mN/m (20 °C; 0.5 % (V))	(DIN EN 14370)

SECTION 10: Stability and Reactivity

10.1. Reactivity

10.2. Chemical stability

10.3. Possibility of hazardous reactions

The product is stable if stored and handled as prescribed/indicated.

10.4. Conditions to avoid

10.5. Incompatible materials

10.6. Hazardous decomposition products

SECTION 11: Toxicological Information

11.1. Information on toxicological effects

Acute toxicity

Assessment of acute toxicity:

Virtually nontoxic after a single ingestion. Virtually nontoxic after a single skin contact.

Safety data sheet according to Regulation (EC) No. 1907/2006 as amended from time to time.

Date / Revised: 19.11.2020

Version: 7.3

Date previous version: 30.09.2020

Previous version: 7.2

Product: **FIRETITE™ T0**

(ID no. 30694649/SDS GEN EU/EN)

Date of print 22.12.2020

Information on: Alcohols, C12-14, ethoxylated, sulfates, sodium salts

Assessment of acute toxicity:

Virtually nontoxic after a single ingestion. Virtually nontoxic after a single skin contact.

Irritation

Experimental/calculated data:

Serious eye damage/irritation: Tested as a preparation. Eye contact causes irritation.

Information on: Alcohols, C12-14, ethoxylated, sulfates, sodium salts

Assessment of irritating effects:

Skin contact causes irritation.

May cause severe damage to the eyes.

Respiratory/Skin sensitization

Assessment of sensitization:

A sensitizing effect on particularly sensitive individuals cannot be excluded.

Information on: 1,2-benzisothiazol-3(2H)-one

Assessment of sensitization:

Sensitization after skin contact possible.

Information on: Alcohols, C12-14, ethoxylated, sulfates, sodium salts

Assessment of sensitization:

Skin sensitizing effects were not observed in animal studies.

Germ cell mutagenicity

Information on: Alcohols, C12-14, ethoxylated, sulfates, sodium salts

Assessment of mutagenicity:

The substance was not mutagenic in bacteria. No mutagenic effect was found in various tests with mammalian cell culture and mammals.

Carcinogenicity

No data available.

Reproductive toxicity

Information on: Alcohols, C12-14, ethoxylated, sulfates, sodium salts

Assessment of reproduction toxicity:

The results of animal studies gave no indication of a fertility impairing effect.

Safety data sheet according to Regulation (EC) No. 1907/2006 as amended from time to time.

Date / Revised: 19.11.2020

Version: 7.3

Date previous version: 30.09.2020

Previous version: 7.2

Product: **FIRETITE™ T0**

(ID no. 30694649/SDS_GEN_EU/EN)

Date of print 22.12.2020

Developmental toxicity

Information on: Alcohols, C12-14, ethoxylated, sulfates, sodium salts

Assessment of teratogenicity:

No indications of a developmental toxic / teratogenic effect were seen in animal studies.

Specific target organ toxicity (single exposure)

No data available.

Repeated dose toxicity and Specific target organ toxicity (repeated exposure)

Information on: Alcohols, C12-14, ethoxylated, sulfates, sodium salts

Assessment of repeated dose toxicity:

Repeated oral uptake of the substance did not cause substance-related effects.

Aspiration hazard

No data available.

SECTION 12: Ecological Information

12.1. Toxicity

Assessment of aquatic toxicity:

There is a high probability that the product is not acutely harmful to aquatic organisms.

Toxicity to fish:

LC50 (48 h) > 1 - 10 mg/l, *Leuciscus idus* (DIN EN ISO 7346-2)

Aquatic invertebrates:

EC50 (24 h) > 100, *Daphnia magna*

Aquatic plants:

EC50 (96 h) > 1 - 10 mg/l (growth rate), *Desmodesmus subspicatus* (OECD Guideline 201)
acute Effect

EC10 > 1 mg/l, *Desmodesmus subspicatus*
long-term effect

Microorganisms/Effect on activated sludge:

EC0 (30 min) > 1 - 10 mg/l, *Pseudomonas putida* (OECD Guideline 209)

Chronic toxicity to fish:

No data available.

Safety data sheet according to Regulation (EC) No. 1907/2006 as amended from time to time.

Date / Revised: 19.11.2020

Version: 7.3

Date previous version: 30.09.2020

Previous version: 7.2

Product: **FIRETITE™ T0**

(ID no. 30694649/SDS GEN EU/EN)

Date of print 22.12.2020

Chronic toxicity to aquatic invertebrates:
No data available.

Information on: Alcohols, C12-14, ethoxylated, sulfates, sodium salts

Toxicity to fish:

LC50 (48 h) 9.6 mg/l, Leuciscus idus (Screening (style of OECD 203))

Information on: Alcohols, C12-14, ethoxylated, sulfates, sodium salts

Aquatic invertebrates:

EC50 (24 h) > 148 mg/l, Daphnia magna (other)

Information on: Alcohols, C12-14, ethoxylated, sulfates, sodium salts

Aquatic plants:

*EC50 (96 h) 7.5 mg/l (growth rate), Desmodemus subspicatus (OECD Guideline 201)
acute Effect*

*EC10 1.5 mg/l, Desmodemus subspicatus
long-term effect*

Assessment of terrestrial toxicity:
No data available concerning terrestrial toxicity.

12.2. Persistence and degradability

Assessment biodegradation and elimination (H2O):
The product has not been tested.

Information on: Alcohols, C12-14, ethoxylated, sulfates, sodium salts

Assessment biodegradation and elimination (H2O):

Readily biodegradable (according to OECD criteria).

Information on: 1,2-benzisothiazol-3(2H)-one

Assessment biodegradation and elimination (H2O):

Not readily biodegradable (by OECD criteria).

12.3. Bioaccumulative potential

Assessment bioaccumulation potential:
Accumulation in organisms is not to be expected.

12.4. Mobility in soil

Assessment transport between environmental compartments:
Volatility: The substance will not evaporate into the atmosphere from the water surface.

Safety data sheet according to Regulation (EC) No. 1907/2006 as amended from time to time.

Date / Revised: 19.11.2020

Version: 7.3

Date previous version: 30.09.2020

Previous version: 7.2

Product: **FIRETITE™ T0**

(ID no. 30694649/SDS GEN EU/EN)

Date of print 22.12.2020

Adsorption in soil: Adsorption to solid soil phase is possible.

12.5. Results of PBT and vPvB assessment

12.6. Other adverse effects

The product does not contain substances that are listed in Regulation (EC) 1005/2009 on substances that deplete the ozone layer.

12.7. Additional information

Add. remarks environm. fate & pathway:

Treatment in biological waste water treatment plants has to be performed according to local and administrative regulations.

Other ecotoxicological advice:

The product has not been tested. The statements on ecotoxicology have been derived from the properties of the individual components.

SECTION 13: Disposal Considerations

13.1. Waste treatment methods

Must be disposed of or incinerated in accordance with local regulations.

Contaminated packaging:

Uncontaminated packaging can be re-used.

Packs that cannot be cleaned should be disposed of in the same manner as the contents.

SECTION 14: Transport Information

Land transport

ADR

Not classified as a dangerous good under transport regulations

UN number: Not applicable

UN proper shipping name: Not applicable

Transport hazard class(es): Not applicable

Packing group: Not applicable

Environmental hazards: Not applicable

Special precautions for user: None known

RID

Safety data sheet according to Regulation (EC) No. 1907/2006 as amended from time to time.

Date / Revised: 19.11.2020

Version: 7.3

Date previous version: 30.09.2020

Previous version: 7.2

Product: **FIRETITE™ T0**

(ID no. 30694649/SDS_GEN_EU/EN)

Date of print 22.12.2020

	Not classified as a dangerous good under transport regulations
UN number:	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for user	None known

Inland waterway transport

ADN

	Not classified as a dangerous good under transport regulations
UN number:	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for user:	None known

Transport in inland waterway vessel

Not evaluated

Sea transport

IMDG

	Not classified as a dangerous good under transport regulations
UN number:	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for user	None known

Air transport

IATA/ICAO

	Not classified as a dangerous good under transport regulations
UN number:	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable

Safety data sheet according to Regulation (EC) No. 1907/2006 as amended from time to time.

Date / Revised: 19.11.2020

Version: 7.3

Date previous version: 30.09.2020

Previous version: 7.2

Product: **FIRETITE™ T0**

(ID no. 30694649/SDS GEN EU/EN)

Date of print 22.12.2020

Packing group: Not applicable
Environmental hazards: Not applicable
Special precautions for user: None known

14.1. UN number

See corresponding entries for "UN number" for the respective regulations in the tables above.

14.2. UN proper shipping name

See corresponding entries for "UN proper shipping name" for the respective regulations in the tables above.

14.3. Transport hazard class(es)

See corresponding entries for "Transport hazard class(es)" for the respective regulations in the tables above.

14.4. Packing group

See corresponding entries for "Packing group" for the respective regulations in the tables above.

14.5. Environmental hazards

See corresponding entries for "Environmental hazards" for the respective regulations in the tables above.

14.6. Special precautions for user

See corresponding entries for "Special precautions for user" for the respective regulations in the tables above.

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

Regulation: Not evaluated
Shipment approved: Not evaluated
Pollution name: Not evaluated
Pollution category: Not evaluated
Ship Type: Not evaluated

SECTION 15: Regulatory Information

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

Prohibitions, Restrictions and Authorizations

Annex XVII of Regulation (EC) No 1907/2006: Number on List: 3

Directive 2012/18/EU - Control of Major Accident Hazards involving dangerous substances (EU):
Listed in above regulation: no

Safety data sheet according to Regulation (EC) No. 1907/2006 as amended from time to time.

Date / Revised: 19.11.2020

Version: 7.3

Date previous version: 30.09.2020

Previous version: 7.2

Product: **FIRETITE™ T0**

(ID no. 30694649/SDS GEN EU/EN)

Date of print 22.12.2020

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

15.2. Chemical Safety Assessment

Advice on product handling can be found in sections 7 and 8 of this safety data sheet.

SECTION 16: Other Information

Full text of the classifications, including the hazard classes and the hazard statements, if mentioned in section 2 or 3:

Eye Dam./Irrit.	Serious eye damage/eye irritation
Skin Corr./Irrit.	Skin corrosion/irritation
Eye Irrit.	Serious eye irritation
Eye Dam.	Serious eye damage
H319	Causes serious eye irritation.
H318	Causes serious eye damage.
H315	Causes skin irritation.
H314	Causes severe skin burns and eye damage.

Abbreviations

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road.
 ADN = The European Agreement concerning the International Carriage of Dangerous Goods by Inland waterways. ATE = Acute Toxicity Estimates. CAO = Cargo Aircraft Only. CAS = Chemical Abstract Service. CLP = Classification, Labelling and Packaging of substances and mixtures. DIN = German national organization for standardization. DNEL = Derived No Effect Level. EC50 = Effective concentration median for 50% of the population. EC = European Community. EN = European Standards. IARC = International Agency for Research on Cancer. IATA = International Air Transport Association. IBC-Code = Intermediate Bulk Container code. IMDG = International Maritime Dangerous Goods Code. ISO = International Organization for Standardization. STEL = Short-Term Exposure Limit. LC50 = Lethal concentration median for 50% of the population. LD50 = Lethal dose median for 50% of the population. TLV = Threshold Limit Value. MARPOL = The International Convention for the Prevention of Pollution from Ships. NEN = Dutch Norm. NOEC = No Observed Effect Concentration. OEL = Occupational Exposure Limit. OECD = Organization for Economic Cooperation and Development. PBT = Persistent, Bioaccumulative and Toxic. PNEC = Predicted No Effect Level. PPM = Parts per million. RID = The European Agreement concerning the International Carriage of Dangerous Goods by Rail. TWA = Time Weight Average. UN-number = UN number at transport. vPvB = very Persistent and very Bioaccumulative.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

Vertical lines in the left hand margin indicate an amendment from the previous version.