

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

1.1. Product identifier

Product code : ESATHERM

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

Water-based paint

Sectors of use:

Private households[SU21], Public domain[SU22]

Product category:

Coatings and Paints, Fillers, Putties, Thinners

Process categories:

Application with rollers, brushes or spatulas[PROC10], Non industrial spraying[PROC11]

Uses advised against

All uses other than painting in construction

1.3. Details of the supplier of the safety data sheet

Ragione Sociale: FORNACI CALCE GRIGOLIN S.p. A.

Indirizzo: Via Foscarini, 2

Località e Stato: 31040 Nervesa della Battaglia (TV) - Italia

tel.: +39 0525-415170

e-mail della persona competente,
responsabile della scheda dati di sicurezza: laboratorio.colore@fornacigrigolin.it

1.4. Emergency telephone number

HEALTH EMERGENCY - 112 (0-24h)

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

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

Pictograms:

None

Hazard Class and Category Code(s):

Nonhazardous

Hazard statement Code(s):

Nonhazardous

2.2. Label elements

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

Pictogram, Signal Word Code(s):
None

Hazard statement Code(s):
Nonhazardous

Supplemental Hazard statement Code(s):
EUH208 - Contains 1,2-benzisothiazol-3(2H)-one, reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H -isothiazol-3-one (3:1), 2-octyl-2H-isothiazol-3-one, 4,5-dichloro-2-octyl-2H-isothiazol-3-one. May produce an allergic reaction.
EUH210 - Safety data sheet available on request.

Precautionary statements:

Prevention

P273 - Avoid release to the environment.

Disposal

P501 - Dispose of the product / container in accordance with national regulations.

Contains:

reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H -isothiazol-3-one (3:1), 1,2-benzisothiazol-3(2H)-one, 3-iodo-2-propynyl butyl carbamate, 2-octyl-2H-isothiazol-3-one, 4,5-dichloro-2-octyl-2H-isothiazol-3-one
REGULATION (EU) No 528/2012, biocides contained: reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H -isothiazol-3-one (3:1) (Preservatives for products during storage);3-iodo-2-propynyl butyl carbamate (Preservatives for products during storage);2-octyl-2H-isothiazol-3-one (Film preservatives);4,5-dichloro-2-octyl-2H-isothiazol-3-one (Film preservatives)

Interior matt walls and ceilings - VOC limit 30 g/l

Content of VOC (2004/42/CE) ready to use condition: 0,08 g/l (0,0069 %)

2.3. Other hazards

Based on the available data, no PBT or vPvB substances are present in accordance with Regulation (EC) 1907/2006, annex XIII

Based on available data, there are no substances that interfere with the Endocrine System in accordance with Regulation (EU) 2017/2100

No information on other hazards

SECTION 3. Composition/information on ingredients

3.1 Substances

Irrilevant

3.2 Mixtures

| Substance | Concentration[w/w] | Classification | Index | CAS | EINECS | REACH |
|--|---------------------------|---|--------------|------------|-----------|----------------------|
| 1,2-benzisothiazol-3(2H)-one | $\geq 0,00015 < 0,036\%$ | Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1A, H317; Eye Dam. 1, H318; Acute Tox. 2, H330; Aquatic Acute 1, H400; Aquatic Chronic 1, H410 Limits: Skin Sens. 1A, H317 %C $\geq 0,036$; , EUH208 $0,00015 \leq \%C < 0,036$; Acute toxicity M-factor = 1 Chronic toxicity M-factor = 1 ATE oral = 450,000 mg/kg ATE inhal = 0,210 mg/l/4 h | 613-088-00-6 | 2634-33-5 | 220-120-9 | 01-2120761 540-60 |
| reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one (3:1) | $\geq 0,00015 < 0,0015\%$ | EUH071; Acute Tox. 3, H301; Acute Tox. 2, H310; Skin Corr. 1C, H314; Skin Sens. 1, H317; Eye Dam. 1, H318; Acute Tox. 2, H330; Aquatic Acute 1, H400; Aquatic Chronic 1, H410 Limits: Skin Corr. 1C, H314 %C $\geq 0,6$; Skin Irrit. 2, H315 $0,06 \leq \%C < 0,6$; Eye Dam. 1, H318 %C $\geq 0,6$; Eye Irrit. 2, H319 $0,06 \leq \%C < 0,6$; Skin Sens. 1A, H317 %C $\geq 0,0015$; , EUH208 $0,00015 \leq \%C < 0,0015$; Acute toxicity M-factor = 100 Chronic toxicity M-factor = 100 | 613-167-00-5 | 55965-84-9 | 611-341-5 | 01-2120764 691-48 |
| 2-octyl-2H-isothiazol-3-one | $\geq 0,00015 < 0,0015\%$ | Acute Tox. 3, H301; Acute Tox. 3, H311; Skin Corr. 1, H314; Skin Sens. 1A, H317; Eye Dam. 1, H318; Acute Tox. 2, H330; Aquatic Acute 1, H400; Aquatic Chronic 1, H410 Limits: , EUH208 $0,00015 \leq \%C < 0,0015$; Skin Sens. 1A, H317 %C | 613-112-00-5 | 26530-20-1 | 247-761-7 | ND |

| Substance | Concentration[w/w] | Classification | Index | CAS | EINECS | REACH |
|--|---------------------|---|--------------|------------|-----------|-------|
| | | >=0,0015; Acute toxicity M-factor = 100 Chronic toxicity M-factor = 1 ATE oral = 125,000 mg/kg ATE dermal = 311,000 mg/kg ATE inhal = 0,270 mg/l/4 h | | | | |
| 4,5-dichloro-2-octyl-2H-isothiazol-3-one | < 0,1% | Acute Tox. 4, H302; Skin Corr. 1, H314; Skin Sens. 1A, H317; Eye Dam. 1, H318; Acute Tox. 2, H330; Aquatic Acute 1, H400; Aquatic Chronic 1, H410 Limits: Skin Corr. 2, H315 %C >=0,025; Eye Irrit. 2, H319 %C >=0,025; Skin Sens. 1A, H317 %C >=0,0015; Acute toxicity M-factor = 100 Chronic toxicity M-factor = 100 | 613-335-00-8 | 64359-81-5 | 264-843-8 | ND |

SECTION 4. First aid measures

4.1. Description of first aid measures

Inhalation:

Air the area. Move immediately the contaminated patient from the area and keep him at rest in a well ventilated area. If you feel unwell seek medical advice.

Direct contact with skin (of the pure product):

Wash thoroughly with soap and running water.

Direct contact with eyes (of the pure product):

Wash immediately and thoroughly with running water for at least 10 minutes.

Ingestion:

Not hazardous. It's possible to give activated charcoal in water or liquid paraffin medicine

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

No data available.

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

If medical advice is needed, have product container or label at hand.

SECTION 5. Firefighting measures

5.1. Extinguishing media

Advised extinguishing agents:

Water spray, CO₂, foam, dry chemical, depending on the materials involved in the fire.

Extinguishing means to avoid:

Water jets. Use water jets only to cool the surfaces of the containers exposed to fire.

5.2. Special hazards arising from the substance or mixture

No data available.

5.3. Advice for firefighters

Use protection for the breathing apparatus

Safety helmet and full protective suit.

The spray water can be used to protect the people involved in the extinction

You may also use selfrespirator, especially when working in confined and poorly ventilated area and if you use halogenated extinguishers (Halon 1211 fluobrene, Solkan 123, NAF, etc...)

Keep containers cool with water spray

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel:

Leave the area surrounding the spill or release. Do not smoke

Wear gloves and protective clothing

6.1.2 For emergency responders:

Wear gloves and protective clothing

Eliminate all unguarded flames and possible sources of ignition. No smoking.

Provision of sufficient ventilation.

Evacuate the danger area and, in case, consult an expert.

6.2. Environmental precautions

Contain spill with earth or sand.

If the product has entered a watercourse in sewers or has contaminated soil or vegetation, notify it to the authorities.

Discharge the remains in compliance with the regulations

6.3. Methods and material for containment and cleaning up

6.3.1 For containment:

Recover the product for reuse, if possible, or for removal. Possibly absorb it with inert material.

Prevent it from entering the sewer system.

6.3.2 For cleaning up:
After wiping up, wash with water the area and materials involved

6.3.3 Other information:
Nothing in particular.

6.4. Reference to other sections

Refer to paragraphs 8 and 13 for more information

SECTION 7. Handling and storage

7.1. Precautions for safe handling

Avoid contact and inhalation of vapors
At work do not eat or drink.
See also paragraph 8 below.

7.2. Conditions for safe storage, including any incompatibilities

Keep in original container closed tightly. Do not store in open or unlabeled containers.
Keep containers upright and safe by avoiding the possibility of falls or collisions.
Store in a cool place, away from sources of heat and direct exposure of sunlight.

7.3. Specific end use(s)

Private households:
Handle with caution.
Store in a ventilated place and away from heat sources.
Keep container tightly closed.

Public domain:
Handle with care. Store in a ventilated area and away from heat, keep the container tightly closed.

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

No data available.

8.2. Exposure controls

Appropriate engineering controls:
Private households:
No specific controls foreseen

Public domain:
No specific monitoring foreseen

Individual protection measures:



(a) Eye / face protection
 Not needed for normal use.

(b) Skin protection

(i) Hand protection
 When handling the pure product use chemical resistant protective gloves (EN 374-1/EN374-2/EN374-3)

(ii) Other
 When handling the pure product wear full protective skin clothing.

(c) Respiratory protection
 Not needed for normal use.

(d) Thermal hazards
 No hazard to report

Environmental exposure controls:
 Use according to good working practices to avoid pollution into the environment.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

| Physical and chemical properties | Value | Determination method |
|--|--------------------------|----------------------|
| Physical state | Viscous liquid | |
| Colour | White and sample colours | |
| Odour | Characteristic | |
| Odour threshold | not determined | |
| Melting point/freezing point | not determined | |
| Boiling point or initial boiling point and boiling range | 100°C | |
| Flammability | irrelevant | |
| Lower and upper explosion limit | irrelevant | |
| Flash point | irrelevant | ASTM D92 |
| Auto-ignition temperature | not determined | |
| Decomposition temperature | not determined | |
| pH | 8,5 | |
| Kinematic viscosity | not determined | |
| Solubility(ies) | miscible in water | |
| Water solubility | not determined | |
| Partition coefficient n-octanol/water (log value) | not determined | |
| Vapour pressure | not determined | |
| Density and/or relative density | 1,16 Kg/l | |
| Relative vapour density | not determined | |
| Particle characteristics | <100 µm | |

9.2. Other information

Content of VOC (2004/42/CE) ready to use condition: 0,08 g/l (0,0069 %)

9.2.1 Information with regard to physical hazard classes

Irrilevant

9.2.2 Other safety characteristics

Irrilevant

SECTION 10. Stability and reactivity

10.1. Reactivity

No reactivity hazards

10.2. Chemical stability

No hazardous reaction when handled and stored according to provisions.

10.3. Possibility of hazardous reactions

There are no hazardous reactions

10.4. Conditions to avoid

Nothing to report

10.5. Incompatible materials

Nothing in particular.

10.6. Hazardous decomposition products

Does not decompose when used for intended uses.

SECTION 11. Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

ATE(mix) oral = ∞
ATE(mix) dermal = ∞
ATE(mix) inhal = ∞

- (a) acute toxicity: based on available data, the classification criteria are not met
- (b) skin corrosion/irritation: based on available data, the classification criteria are not met
- (c) serious eye damage/irritation: based on available data, the classification criteria are not met
- (d) respiratory or skin sensitisation: 2-octyl-2H-isothiazol-3-one: Dermal sensitization: No sensitization based on results of similar tested mixtures, applying bridging principles in accordance with CLP Article 9(4). Outcome of studies: Sensitization OECD 429 (LLNA) (mouse) non-sensitizing – S4565, S4568, S4578, S5146, S5147.
- (e) germ cell mutagenicity: based on available data, the classification criteria are not met
- (f) carcinogenicity: based on available data, the classification criteria are not met
- (g) reproductive toxicity: based on available data, the classification criteria are not met
- (h) specific target organ toxicity (STOT) single exposure: based on available data, the classification criteria are not met
- (i) specific target organ toxicity (STOT) repeated exposure based on available data, the classification criteria are not met
- (j) aspiration hazard: based on available data, the classification criteria are not met

Health hazards:

Contact with eyes: accidental contact with the eyes may cause irritation.

Contact with skin: the product is not an irritant. Repeated and prolonged direct contact can degrease and irritate the skin and cause dermatitis in some cases.

Ingestion: ingestion may cause product mucosal irritation of the throat and digestive system resulting in abnormal digestive symptoms and intestinal disorders.

Inhalation: prolonged Exposure to vapors or mists of product may cause irritation to the respiratory tract.

Related to contained substances:

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

LD50 (rat) Oral (mg/kg body weight) = 450

CL50 Inhalation (rat) vapour/dust/mist/fume (mg/l/4h) or gas (ppmV/4h) = 0,21

2-octyl-2H-isothiazol-3-one:

LD50 (rat) Oral (mg/kg body weight) = 125

LD50 Dermal (rat or rabbit) (mg/kg body weight) = 311

CL50 Inhalation (rat) vapour/dust/mist/fume (mg/l/4h) or gas (ppmV/4h) = 0,27

11.2. Information on other hazards

No data available.

11.2.1. Endocrine disrupting properties

Based on available data, there are no substances that interfere with the Endocrine System in accordance with Regulation (EU) 2017/2100

SECTION 12. Ecological information

12.1. Toxicity

Related to contained substances:

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

EC₅₀ / 72 h 0,11 mg/l (Selenastrum capricornutum)

EC₅₀ / 48 h 3,27 mg/l (Daphnia magna)

LC₅₀ / 96 h 2,2 mg/l (Oncorhynchus mykiss)

NOEC / 21 d 1,2 mg/l (Daphnia magna)

NOEC / 28 d 0,21 mg/l (Oncorhynchus mykiss)

NOEC / 72 h 0,04 mg/l (Selenastrum capricornutum)

EC₅₀ / 3 h 13 mg/l

EC₅₀ / 3 h 3,3 mg/l

Acute toxicity M-factor = 1
Chronic toxicity M-factor = 1

reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H -isothiazol-3-one (3:1):

EC₅₀ / 48 h 0,0052 mg/l (Skeletonema costatum)
LC₅₀ / 96 h 0,22 mg/l (Onchorhynchus mykiss)
NOEC / 48 h 0,00064 mg/l (Skeletonema costatum)
NOEC / 28 d 0,098 mg/l (Onchorhynchus mykiss)
NOEC / 72 h 0,0012 mg/l (Pseudokirchneriella subcapitata)
EC₅₀ / 3 h 7,92 mg/l
EC₅₀ / 3 h 0,97 mg/l
Acute toxicity M-factor = 100
Chronic toxicity M-factor = 100

2-octyl-2H-isothiazol-3-one:

EC₅₀ / 72 h 0,084 mg/l (Desmodesmus subspicatus)
EC₅₀ / 48 h 0,42 mg/l (Daphnia magna)
LC₅₀ / 96 h 0,036 mg/l (Oncorhynchus mykiss)
NOEC / 21 d 0,002 mg/l (Daphnia magna)
NOEC / 28 d 0,022 mg/l (Oncorhynchus mykiss)
NOEC / 72 h 0,004 mg/l (Algae)
EC₅₀ / 0.5 h 10,4 mg/l
EC₅₀ / 3 h 7,3 mg/l
Acute toxicity M-factor = 100
Chronic toxicity M-factor = 1

4,5-dichloro-2-octyl-2H-isothiazol-3-one:

EC₅₀ / 72 h 0,025 mg/l (Desmodesmus subspicatus)
EC₅₀ / 48 h 0,0097 mg/l (Daphnia magna)
LC₅₀ / 96 h 0,0078 mg/l (Oncorhynchus mykiss)
NOEC / 21 d 0,0004 mg/l (Daphnia magna)
NOEC / 28 d 0,00047 mg/l (Brachydanio rerio)
NOEC / 72 h 0,015 mg/l (Desmodesmus subspicatus)
Acute toxicity M-factor = 100
Chronic toxicity M-factor = 100

Use according to good working practices to avoid pollution into the environment.

12.2. Persistence and degradability

Related to contained substances:

4,5-dichloro-2-octyl-2H-isothiazol-3-one:
Simulation Biodegradation Aqu Sed System: 1,1 - 1,3 d
Activated Sludge Units > 96 %

12.3. Bioaccumulative potential

Related to contained substances:

1,2-benzisothiazol-3(2H)-one:
BFC: 6,95
LogKow: 0,7

reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H -isothiazol-3-one (3:1):
BCF: 3,16
LogKow: 0,71

4,5-dichloro-2-octyl-2H-isothiazol-3-one:
LogKow: 4,4
BCF: 13

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

Based on the available data, no PBT or vPvB substances are present in accordance with Regulation (EC) 1907/2006, annex XIII

12.6. Endocrine disrupting properties

Based on available data, there are no substances that interfere with the Endocrine System in accordance with Regulation (EU) 2017/2100

12.7. Other adverse effects

No adverse effects

SECTION 13. Disposal considerations

13.1. Waste treatment methods

Do not reuse empty containers. Dispose of them in accordance with the regulations in force. Any remaining product should be disposed of according to applicable regulations by addressing to authorized companies. Recover if possible. Send to authorized discharge plants or for incineration under controlled conditions. Operate according to local and National rules in force

SECTION 14. Transport information

14.1. UN number or ID number

Not included in the scope of application regulations concerning the transport of dangerous goods: by road (ADR); by rail (RID); by air (ICAO / IATA); by sea (IMDG).

14.2. UN proper shipping name

None

14.3. Transport hazard class(es)

None

14.4. Packing group

None

14.5. Environmental hazards

None

14.6. Special precautions for user

No data available.

14.7. Maritime transport in bulk according to IMO instruments

It is not intended to carry bulk

SECTION 15. Regulatory information

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

Substances in the Candidate List (REACH Article 59)
Based on available data, no SVHC substances are present

15.2. Chemical safety assessment

No chemical safety assessment was carried out by the supplier

SECTION 16. Other information

16.1. Other information

Points modified compared to previous release: 2.2. Label elements, 2.3. Other hazards, 9.2. Other information, 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008, 12.1. Toxicity, 12.3. Bioaccumulative potential

Description of the hazard statements exposed to point 3

- H302 = Harmful if swallowed.
- H315 = Causes skin irritation.
- H317 = May cause an allergic skin reaction.
- H318 = Causes serious eye damage.
- H330 = Fatal if inhaled.
- H400 = Very toxic to aquatic life.
- H410 = Very toxic to aquatic life with long lasting effects.
- H301 = Toxic if swallowed.
- H310 = Fatal in contact with skin.
- H314 = Causes severe skin burns and eye damage.
- H311 = Toxic in contact with skin.

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

No hazard to report. Classification procedure: Calculation method

GENERAL BIBLIOGRAPHY:

- Council Regulation (EC) 1907/2006 of the European Parliament (REACH)
- Regulation (EC) 1272/2008 of the European Parliament (CLP) and subsequent updates
- Council Regulation (EC) no 758/2013 of the European Parliament
- Regulation (EC) no 2020/878 of the European Parliament
- Regulation (EC) No 528/2012 European Parliament and subsequent updates
- Commission Regulation (EC) No 790/2009 of 10 August 2009
- Commission Regulation (EU) No 286/2011 of 10 March 2011
- Commission Regulation (EU) No 618/2012 of 10 July 2012
- Commission Regulation (EU) No 487/2013 of 8 May 2013
- Council Regulation (EU) No 517/2013 of 13 May 2013
- Commission Regulation (EU) No 758/2013 of 7 August 2013
- Commission Regulation (EU) No 944/2013 of 2 October 2013
- Commission Regulation (EU) No 605/2014 of 5 June 2014
- Commission Regulation (EU) 2015/491 of 23 March 2015
- Commission Regulation (EU) No 1297/2014 of 5 December 2014- Council Regulation (EC) 648/2004 of the European Parliament and subsequent updates
- The Merck Index
- Handling Chemical Safety
- Niosh Registry of Toxic Effects of Chemical Substances
- INRS - Fiche Toxicologique
- Patty-Industrial Hygiene and Toxicology
- N.I. Sax-Dangerous properties of Industrial Materials-7 Ed., 1989

Note to the user:

the information in this tab are based on knowledge available to us on the date of the latest version.

The user must ensure the fitness and completeness of the information in relation to the specific use of the product.

You should not interpret it as a guarantee of any specific property of the product.

For the use of the product does not fall under our direct control, the obligation of the user to observe under their own liability laws and regulations on hygiene and safety. Do not assume liability for improper use.

This tab replaces and cancels all previous
