

MATERIAL SAFETY DATA SHEET **ThermoProtect**

According to regulation (EC) 1907/2006

created: 18.01.2021

revised: 22.08.2023

1. Identification of the substance or mixture and of the company

1.1. Product identifier

Name of substance / trade name: ThermoProtect

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

Relevant identified uses: fassade coating
Recommended restriction of application: ThermoProtect is a resistant protective coating suitable for use on almost all exterior surfaces. The special composition of ThermoProtect provides a wide range of energetic application areas for thermal shielding both in summer and in winter.

Details of the supplier that provides the safety data sheet

Manufacturer / supplier

Company: SICC Coatings GmbH
Wackenbergstraße 78-82
D-13156 Berlin, Germany
Phone: +49 (0) 30 / 500196-0
Fax: +49 (0) 30 / 500196-20
E-mail address: info@sicc.de
Responsible/
Exhibitor: application engineering / research and development

1.3. Emergency number

out of normal busines hours 112
(Mon-Fri 8:00 – 16.30 pm)

2. Possible hazards

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008
No hazardous substance or mixture.

2.2. Label elements

Labeling elements according to Regulation (EC) No 1272/2008
No hazardous substance or mixture.

Safety instructions:

P101: If medical advice is required, provide packaging or labeling label
P102: Keep out of the reach of children.
P103: Read label before use.

Other marking elements

EUH208: Contains 1,2-Benzisothiazol-3(2H)-on. May cause allergic reactions.
EUH210: Safety data sheet available on request
EUH211: Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

2.3. Other hazards

None known

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3. Composition / information on ingredients

3.1. mixtures

1,2-Benzisothiazol-3(2H)-one (0,048 %)

CAS number: 2634-33-5

Acute Tox. 4 (Acute toxicity oral, category 4, H302)

Skin irritation. 2 (corrosive/irritant effect on the skin, category 2, H315)

Eye Dam. 1 (Severe eye damage/irritation, Category 1, H318)

Skin Sens. 1 (sensitization of the skin, category 1, H317)

Aquatic Acute 1 (hazardous to waters: Acute, category 1, H400)

Zinc oxide (0,1 %)

CAS number: 1314-13-2

Aquatic Acute 1 (hazardous to waters: Acute, category 1, H400)

Aquatic Chronic 1 (hazardous to waters: chronic, category 1, H410)

4. First aid measures

4.1. Description of the first aid measure

General information	No special first aid measures required. Take affected persons out of danger. First aid must protect itself.
After inhalation	for complaints - fresh air supply
After skin contact	wash skin with soap and water
After eye contact,	remove contact lenses, keep eyelids open and rinse with plenty of water, seek medical advice
After swallowing	may cause nausea, vomiting and diarrhea, also gastrointestinal irritation; call Physician and name the substance.

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

Symptoms:	no information available
Risks:	no information available

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

Treatment:	no information available
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5. Fire fighting measures

5.1. Extinguishing media

suitable:	foam, carbon dioxide, dry chemicals, spray mist, water
Not suitable for safety reasons:	Observe local conditions.

5.2. Special hazards arising from the mixture

Contained containers may burst during extreme heat (pressure build-up), smoke, carbon dioxide

5.3. Instructions for firefighting

Avoid contact with skin. Keep container tightly closed. Material is not combustible if moisture is contained.

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6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

protective equipment / see chapter 2-5

6.2. Environmental precautions

Observe local, governmental regulations; Not in the keep the sewage system away.

6.3. Methods and materials for retention and cleaning

Dispose of materials with non-combustible absorbents (eg sand, sawdust, etc.) and dispose of according to local regulations. Clean with water and detergents, preferably do not use solvents.

6.4. Reference to other sections

See section 7, 8 and 13 of the MSDS for further information Safety Data Sheet

7. Handling und storage

7.1. Precautions for safe handling

Advice on safe handling

Observe the minimum standards for the TRGS 500 (Technical rule for hazardous substances). Avoid contact with eyes and skin.

Measurement for protection against fire and explosions

The product is not combustible if moisture is still present. Hazardous containers must be cooled with water.

7.2. Conditions for safe storage, including environmental compatibility

Information to storage conditions

store in a cool, frost-free place

Requirements to be met by storerooms and containers

Keep container closed, protect from freezing and heat, do not empty container with pressure, no pressure containers

Storage class:

12 – non-flammable liquids

7.3. Specific end use

ThermoProtect is a exterior coating ready to use.

Gis-Code BSW20

Technical information of manufacturer must be observed.

8. Exposure controls / personal protection equipment

8.1. Parameters to be monitored

Occupational exposure limits and / or biological limits workplace exposure limits (AGW) Germany

No substances to be monitored.

8.2. Limitation and monitoring of exposure

Technical measures and applications of appropriate work procedures, as listed in Section 7, shall prevail over the use of personal protective equipment. Recommended analytical procedures for workplace measurements: see the Federal Institute for Occupational Safety and Health (BauA).

Personal protective equipment:

Eye / face protection

no special protective equipment required

wear protective goggles

Eye / face protection

wear protective goggles

Skin protection

wear protective gloves if necessary

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9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form:	liquid	
Color:	basic color shade white, depending in pigmentation	
Odor:	characteristic	
Odor threshold:	n.d.	
Vapor pressure:	n.d.	
pH value:	8.00 ± 0.4 at 20 °C	DIN 19266
Melting point / freezing point:	0 °C water = 0 °C	
Initial boiling point:	100 °C water = 100 °C	
Flash point:	n.a.	
Evaporation rate:	n.d.	
Flammability:	n.a.	
Upper explosion limit:	n.a.	
Lower explosion limit:	n.a.	
Oxidizing properties:	n.a.	
Density:	0.98 - 1.06 kg/dm ³	DIN EN ISO 2811-1
Vapor density (20 °C):	n.b.	
Auto-ignition:	n.a.	
Partition coefficient n-octanol / water:	n.b.	
Decomposition temperature:	n.d.	
Explosive properties:	n.a.	
Viscosity:	120 ± 2 KU	
Solid content:	approx. 56%	DIN EN ISO 3251
Fineness:	< 40 µm	DIN EN ISO 1524
* N.a. = not applicable		
* N.d. = not determined		

9.2. Other information

none

10. Stability and reactivity

10.1. Reactivity	No decomposition if used according to specifications application
10.2. Chemical stability	No decomposition if used according to specifications application
10.3. Possibility of hazardous reactions	No decomposition if used according to specifications application
10.4. Conditions to avoid	See chapter 7
10.5. Incompatible materials	Avoid contact with strong acids, strong alkalis
10.6. Hazardous decomposition products	No decomposition if used according to specifications application. Fire, also heating by welding and cutting produces smoke, carbon dioxide and carbon monoxide.

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11. Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Components which may contribute to acute oral toxicity:

no relevant ingredient

Calculated estimate of acute oral toxicity ATE (mix): 860585 mg/kg

The mixture is therefore not classified as orally toxic.

Components which may contribute to acute dermal toxicity

no relevant ingredient

Calculated estimate of acute dermal toxicity ATE (mix): 4601230 mg/kg

The mixture is therefore not classified in Acute Toxicity dermal.

Components which may contribute to acute inhalation toxicity

no relevant ingredient

Calculated estimated value of acute inhalative toxicity ATE (mix): 11764 mg/l/4h

The mixture is therefore not classified as acute toxicity by inhalation.

b) Corrosive/irritant effect on the skin

Relevant ingredients:

1,2-benzisothiazol-3(2H)-one (0,048 %), classification of the substance: category 2, was not considered as additive.

The general limits (GCL) must be observed: category 2: 3 %.

c) Severe eye damage/irritation

Relevant ingredients:

1,2-Benzisothiazol-3(2H)-one (0,048 %), classification of the substance: category 1, was considered as non-additive.

The general limits (GCL) must be observed: Category 1: 1 % Category 2: 3

d) Respiratory tract/skin sensitisation

Ingredients which may contribute to respiratory sensitisation:

There are no relevant ingredients in the mixture.

The mixture is not classified as respiratory sensitisation.

Ingredients which may contribute to skin sensitisation:

There are no relevant ingredients in the mixture.

The mixture is not skin sensitising. Nevertheless, allergies may be triggered in sensitive persons.

e) Germ cell mutagenicity

There are no relevant ingredients in the mixture.

The mixture is not classified in germ cell mutagenicity.

f) Carcinogenicity

There are no relevant ingredients in the mixture.

The mixture is not classified as carcinogenic.

g) Toxicity to reproduction

Components that may contribute to reproductive toxicity:

There are no relevant ingredients in the mixture.

The mixture is not classified as toxic to reproduction.

Ingredients which may contribute to lactation effects:

There are no relevant ingredients in the mixture.

The mixture is not classified in the additive category for effects on lactation.

h) Specific target organ toxicity at single exposure

Components that may contribute to specific target organ toxicity (single exposure):

There are no relevant ingredients in the mixture.

The mixture is not classified in Specific Target Organ Toxicity (single exposure).

Components that may contribute to Specific Target Organ Toxicity (single exposure): Respiratory irritation:

There are no relevant ingredients in the mixture.

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The mixture is not classified in Specific Target Organ Toxicity (single exposure): Respiratory irritation.

Components that may contribute to Specific Target Organ Toxicity (single exposure): Anaesthetic effect:

There are no relevant ingredients in the mixture.

The mixture is classified as Specific Target Organ Toxicity (single exposure): No narcotic effect.

i) Specific target organ toxicity on repeated exposure

There are no relevant ingredients in the mixture.

The mixture is not classified in Specific Target Organ Toxicity (repeated exposure).

j) Aspiration hazard

There are no relevant ingredients in the mixture.

The mixture is not classified as an aspiration hazard.

12. Ecological information

12.1. Toxicity

Components that can contribute to acute water pollution:

Relevant ingredients:

Zinc oxide (0.1 %), category 1, M-factor: 1)

LC50(Fisch): 0,78 mg/l, EC50(Krebstiere): 0,53 mg/l, ErC50(Algen): 136 mg/l

The limit value must be observed: 25 %

The mixture is not classified in this danger category.

Components that may contribute to chronic water pollution.

The mixture is not classified in this hazard category.

Components which may contribute to ozone layer depletion.

There are no relevant ingredients in the mixture.

The mixture is not classified as harmful to the ozone layer.

12.2. Persistence and degradability

There are no data available on the product

12.3. Bioaccumulative

There are no data available on the product

12.4. Mobility in the ground

There are no data available on the product

12.5. Result of the PTB and vPvB assessment

There are no data available on the product

12.6. Endocrine disrupting properties

There are no data available on the product

12.7. Other adverse effects

There are no data available on the product

13. Disposal considerations

13.1. Waste treatment methods

Dispose of in accordance with local regulations.

Regular disposal by incineration in a combustion plant, local and official regulations must be observed.

Treatment of contaminated packaging

Packaging must be disposed of in a completely emptied state (drip-free, non-wiping and free of spatula). Packaging should be reused or recycled, in compliance with the applicable local and governmental regulations.

Waste key according to Ordinance on Waste Disposal (AVV)

080120 aqueous suspensions containing paints or varnishes

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14. Transport information

14.1. UN number

The product is not a dangerous good in national / international road, rail, sea, and air transport.

14.2. UN proper shipping name

ADR / RID

The product is not a dangerous good in national / international road, rail, sea, and air transport.

IMDG code / ICAO-TI / IATA-DGR

The product is not a dangerous good in national / international road, rail, sea, and air transport.

14.3. Transport hazard class

The product is not a dangerous good in national / international road, rail, sea, and air transport.

14.4. packaging group

The product is not a dangerous good in national / international road, rail, sea, and air transport.

14.5. environmental hazards

The product is not a dangerous good in national / international road, rail, sea, and air transport.

14.6. Special precautions for the user

The product is not a dangerous good in national / international road, rail, sea, and air transport.

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

The product is not a dangerous good in national / international road, rail, sea, and air transport.

15. Regulatory

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

EU-regulations

Regulation (EC) No 1005/2009 (substances that deplete the ozone layer):

Not applicable

Regulation (EC) No 850/2004 (persistent organic pollutants):

Not applicable

Regulation No 649/2012 (export and import of dangerous chemicals):

Not applicable

Regulation (EC) No 648/2004 (Detergents Regulation):

Not applicable

Authorization in accordance with Title VII of Regulation (EC) No 1907/2006:

No

Restrictions under Title VIII of Regulation (EC) No 1907/2006:

No

National regulations, e.g.

Water hazard class WGK 1 Self-leveling according to VwVws (regulation of water-endangering substances)

Solvent regulation: Wb < 3 g/l (maximum value according to VOC Annex II A/c 40 g/l)

15.2. Chemical Safety Assessment

No substance safety assessment has been carried out by the manufacturer for this mixture.

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16. Additional information

Changes to the last version

Replaces datasheet from 07.03.2023

Literature and data sources

REACH Regulation (EC) No 1907/2006, as last amended by Regulation (EU) 2017/1000

CLP Regulation (EC) No 1272/2008, as last amended by Regulation (EU) 2017/776

Internet

<http://www.baua.de>

<http://publikationen.dguv.de>

<http://dguv.de/ifa/stoffdatenbank>

<http://www.gischem.de>

<http://echa.europa.eu/en/candidate-list-table>

Methods according to Article 9 of Regulation (EC) No 1272/2008 on the evaluation of the information for classification.

The hazard characteristics of the product have been assessed in accordance with Annex I to Regulation (EC) No 1272/2008 (CLP Regulation).

Text of the dangers and / or safety instructions referred to in section 2

P101: If medical advice is required, provide packaging or labeling label

P102: Keep out of the reach of children.

P103: Read label before use.

EUH208: Contains 1,2-Benzisothiazol-3(2H)-on. May cause allergic reactions.

EUH210: Safety data sheet available on request

EUH211: Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

Data stand area:

Application Technology Phone +49 (0) 30 / 500196-0

Further information

Rejection of liability: We have obtained the information contained in this SDS from sources which we consider to be reliable.

The correctness of the information, in printed form, is not guaranteed. The conditions or methods of handling, storage, use or disposal of the product are beyond our control, and possibly also outside our information area. For these and other reasons, we accept no responsibility and expressly disclaim liability for loss, damage or expense that may result from the handling, storage, use or disposal of the product, or in any way connected to it. This MSDS has been developed for this product and should only be used with it.

This information describes the safety requirements of the product (s) and is based on the present state of our knowledge. They do not constitute a guarantee for the properties of the product (s) described in the sense of the statutory warranty regulations. For the properties of the product, please refer to the relevant product leaflet.

Commodity number / customs tariff number: 32091000