

MATERIAL SAFETY DATA SHEET **PV-SolarPlus**

according to Regulation (EC) 1907/2006

created: 10.06.2026

revised:

1. Name of the substance or mixture and the company

1.1. Product identifier

Substance Name / Trade Name PV-SolarPlus

1.2. Relevant identification Use of the substance or mixture and uses that are discouraged

Relevant Identified Use: CoolRoof Roof Coating
Recommended Restriction of use: PV-SolarPlus is a CoolRoof coating under PV systems, for almost all outdoor substrates. The roof pitch must not be less than 3%. Due to the special composition of PV-SolarPlus, there are a number of energetic applications in summer and winter thermal insulation.

Details of the supplier providing the safety data sheet

Manufacturer / Supplier

Company: SICC Coatings GmbH, Wackenbergstraße 78-82, D-13156 Berlin

Phone: +49(0) 30 / 500 196-0

Fax: +49(0) 30 / 500 196-20

Email address: info@sicc.de

Responsible/issuing person: Application Technology / Research and Development

1.3. Emergency number

Outside Business Hours 112, (Mon.-Fri. 08:00 - 16:30)

2. Possible dangers

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008. No hazardous substance or mixture. Supplementary labelling elements/information on certain mixtures, EUH208

Supplementary labelling elements/information on certain mixtures, EUH210

2.2. Marking elements

Marking elements in accordance with Regulation (EC) No. 1272/2008.

No hazardous substance or mixture.

Signal word: No signal word

Hazard warnings: No hazard warnings required

Safety note:

P101: If medical advice is required, have packaging or label ready

P102: Keep out of reach of children.

P103: Read the label before use.

Other marking elements:

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

EUH210: Safety Data Sheet available on request.

2.3. Other hazards

Based on the available information, the product does not contain any PBT or vPvB substances in content percentages greater than 0.1%.

3. Composition / information on the ingredients

3.1. Substances not applicable

3.2. Mixtures

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1,2-benzisothiazole-3(2H)-one (0.048%)
CAS Number: 2634-33-5
Acute Oral Toxicity, Category 4, H302
Etching/irritating effect on the skin, category 2, H315
Severe eye damage/irritation, Category 1, H318
Skin Sensitization, Category 1, H317
Hazardous to water: Acute, Category 1, H400

Zinc oxide (0.1%)
CAS Number: 1314-13-2
Aquatic Chronic 1 (Hazardous to Water: Chronic, Category 1, H410)

4. First aid measures

4.1. Description of the first aid measure

General information	No special first aid measures required. Bring those affected out of the danger area. First responder must protect himself.
After inhalation	in case of complaints - fresh air supply
After skin contact	Cleanse skin with soap and water
After eye contact	If necessary, remove contact lenses, keep eyelids open and rinse with plenty of water, seek medical advice
After swallowing	can cause nausea, vomiting and diarrhea, also gastrointestinal irritation; Consult a doctor and name the substance exactly.

4.2. Main acute and delayed symptoms and effects

Symptoms:	no information available
Risks:	no information available

4.3. Indications of immediate medical assistance or special treatment

Treatment:	no information available
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5. Firefighting measures

5.1. Extinguishing agent

Suitable:	Foam, carbon dioxide, dry chemicals, spray mist, water
Unsuitable for safety reasons:	Observe local conditions.

5.2. Special hazards posed by the mixture

Sealed containers can burst in extreme heat (pressure build-up), smoke, carbon dioxide

5.3. Instructions for firefighting

Cool surrounding containers at risk of fire with water from a safe distance. Material is non-flammable as long as moisture is contained.

6. Measures in the event of accidental release

Personal precautions, protective equipment and procedures to be used in emergencies

Protective regulations / see chapters 2 to 5

6.1. Environmental protection measures

Observe local, official regulations; Do not let it get into the sewer system.

6.2. Methods and material for retention and purification

Confine leaked material with non-flammable absorbents (e.g. sand, sawdust, etc.) and dispose of it according to local regulations. Clean with water and detergents, preferably do not use solvents.

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- 6.3. Reference to other sections** For more information, see sections 7, 8 and 13 of the Safety Data Sheet

7. Measures in the event of accidental release

7.1. Protective measures for safe handling

Notes on safe handling: Comply with the minimum standards of TRGS 500 (Technical Rules for Hazardous Substances). Avoid contact with eyes and skin.

Measures to protect against fire and explosions: The product is non-flammable as long as moisture is still contained. Containers at risk must be cooled with water.

7.2. Conditions for safe storage taking into account environmental compatibility

Information on storage conditions: Store in a cool, frost-free place

Requirements for storage rooms and containers: Keep containers closed, protect from frost and heat, do not empty containers with pressure, do not use pressure vessels

Storage class: 12 – Non-flammable liquids

7.3. Specific End Applications

PV-SolarPlus is a ready-to-use CoolRoof roof coating for solar roofs.
GIS code BSW20
Technical information from the manufacturer must be observed.

8. Limitation and monitoring of exposure / Personal protective equipment

8.1. Parameters to monitor

Occupational exposure limits and/or biological limits

Occupational exposure limits (OEL) Germany

Does not contain substances to be monitored

8.2. Limiting and monitoring exposure

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

Personal protective equipment: No special protective equipment required

Eye/Face Protection: wear safety goggles if necessary

Skin protection: wear protective gloves if necessary

Respiratory protection: wear respiratory protection if necessary

9. Physical and chemical properties

9.1. Information on the basic physical and chemical properties

Physical state: liquid

Color: white

Smell: arteigen

Odour threshold: n.b.

Vapor pressure: n.b.

pH value: 8.00 ± 0.4 at 20°C DIN 19266

Melting point/freezing point: 0 °C

Start of boiling: 100 °C

Flash Point: n.z.

Evaporation speed: n.b.

Flammability: n.z.

Upper explosion limit: n.z.

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Lower Explosion Limit:	n.z.
Oxidizing properties:	n.z.
Density:	1.04 ± 0.04 kg/dm ³ DIN EN ISO 2811-1
Vapor density (20 °C):	n.b.
Self-ignition temperature:	n.z.
Distribution coefficient n-octanol/water:	n.b.
Decomposition Temperature:	n.b.
Explosive properties:	n.z.
Viscosity:	122 ± 2 units
Solid content:	approx. 56 % DIN EN ISO 3251
Fineness:	< 40 µm DIN EN ISO 1524
n.z. = not applicable	
n.b. = not determined	

9.2. Other information

deleted

10. Stability and reactivity

- | | |
|---|--|
| 10.1. Reactivity | No decomposition when stored and used as intended |
| 10.2. Chemical stability | No decomposition when stored and used as intended |
| 10.3. Possibility of dangerous reactions | No decomposition when stored and used as intended |
| 10.4. Conditions to avoid | see Chapter 7 |
| 10.5. Incompatible materials | Avoid contact with strong acids, strong alkalis |
| 10.6. Dangerous decomposition products | No decomposition when stored and used as directed. Fire, including heating through welding and cutting work, produces smoke, carbon dioxide and carbon monoxide. |

11. Toxicological information**11.1. Information on toxicological effects****a) Acute toxicity**

Ingredients that may contribute to acute oral toxicity:

not a relevant component

Ingredients that may contribute to acute dermal toxicity:

not a relevant component

Ingredients that may contribute to acute inhalation toxicity:

is not a relevant component.

b) Corrosive effect on the skin

not a relevant component

c) Severe eye damage/irritation

not a relevant component

d) Sensitization of the respiratory tract/skin

Components that can contribute to respiratory sensitization:

not a relevant component

Ingredients that can help sensitize the skin:

Relevant ingredients:

1,2-benzisothiazole-3(2H)-one (0.048%, classification of substance: category 1)

Substance-specific limit values (SCL): Category 1: 0.05 %

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The mixture is not classified in skin sensitization

e) Germ cell mutagenicity

not a relevant component

f) Carcinogenicity

not a relevant component

(g) Reproductive toxicity

Ingredients that may contribute to reproductive toxicity:

not a relevant component

Components that can contribute to the effect on lactation:

not a relevant component

(h) Specific target organ toxicity with repeated exposure

Ingredients that may contribute to Specific Target Organ Toxicity at Single Exposure, Category 1 and/or 2:

not a relevant component

Ingredients that may contribute to the Specific Target Organ Toxicity at Single Exposure, Category 3, Anesthetic:

not a relevant component

Ingredients that may contribute to Specific Target Organ Toxicity at Single Exposure, Category 3, Respiratory Irritation:

not a relevant component

(i) Specific target organ toxicity for single exposure

not a relevant component

(j) Risk of aspiration

not a relevant component

k) Endocrine disruption affecting human health

not a relevant component

12. Environmental Claims

12.1. Toxicity

Components that can contribute to acute water hazards:

not a relevant component

Components that can contribute to chronic water hazards:

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

The general limit values (GCL) must be observed: Category 1: 25 % Category 2: 2.5 % Category 3: 0.25 % Category 4: 25 %

The mixture is not classified as hazardous to water: Chronic.

Components that can contribute to ozone layer damage:

not a relevant component

Components that can contribute to endocrine disruption with an impact on the environment:

not a relevant component

12.2. Persistence and degradability

Components that may contribute to persistent, bioaccumulative and toxic (PBT) properties of the mixture:

not a relevant component

Constituents that may contribute to very persistent and very bioaccumulative (vPvB) properties of the mixture:

not a relevant component

Components that may contribute to persistent, mobile and toxic properties (PMT) of the mixture:

not a relevant component

Components that can contribute to very persistent and very mobile properties (vPvM) of the mixture:

not a relevant component

12.3. Bioaccumulation potential

There is no information available about the product

12.4. Mobility in the ground

There is no information available about the product

12.5. Result of the PTB and vPvB assessment

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There is no information available about the product

12.6. **Endocrine-disrupting properties**

There is no information available about the product

12.7. **Other harmful effects**

There is no information available about the product

13. **Note on disposal**

13.1. **Waste treatment process**

Properly dispose of in compliance with local official regulations.

Proper disposal by incineration in an incineration plant, local and official regulations must be observed.

Treatment of contaminated packaging

Packaging must be disposed of emptied (drip-free, wipe-free and spatula-free). Packaging must be reused or recycled as a matter of priority, in compliance with the applicable local and official regulations.

Waste code in accordance with the Waste Directory Ordinance (AVV)

080120 Aqueous suspensions containing paints or varnishes

14. **Transport details**

14.1. **UN number**

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

14.2. **Proper UN shipping designation**

ADR/RID

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

IMDG code / ICAO-TI / IATA-DGR

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

14.3. **Transport hazard class**

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

14.4. **Packaging group**

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

14.5. **Environmental hazards**

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

14.6. **Special precautions for the user**

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

14.7. **Bulk cargo transport in accordance with Annex II of the MARPOL Convention and in accordance with the IBC Code**

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

15. **Legislation**

15.1. **Safety, health and environmental protection rules / specific legislation 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 hazardous chemicals):

Not applicable

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

Not applicable

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

None

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

None

National regulations

Water hazard class WGK 1 Self-classification according to VwVws (Administrative Regulation of Water-Polluting Substances)

Solvent Regulation: Wb < 7 g/l (max. value according to VOC Annex II A/d 130 g/l)

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15.2. Chemical safety assessment

No chemical safety assessment was carried out by the manufacturer for this mixture.

16. Other information

Changes from the last version

Replaces datasheet from:

References and data sources

REACH Regulation (EC) No. 1907/2006, 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 referred to in Article 9 of Regulation (EC) No 1272/2008 have been used to assess the information for the purpose of classification.

The hazard properties of the product were assessed in accordance with Annex I of Regulation (EC) No. 1272/2008 (CLP Regulation).

Text of the hazard statements and/or safety statements referred to in Section 2

P101: If medical advice is required, have packaging or label ready.

P102: Keep out of reach of children.

P103: Read the label before use.

H302: Contains 1,2-benzisothiazole-3(2H)-one. May cause allergic reactions.

H410: Safety Data Sheet available on request

Data display area:

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

Learn more

Disclaimer of liability: We have obtained the information contained in this SDS from sources that we believe to be reliable. The accuracy of the information, in printed form, is not guaranteed. The conditions or methods of handling, storing, using or disposing of the product are beyond our control, and may also be outside our information area. For these and other reasons, we accept no responsibility and expressly disclaim liability for any loss, damage or expense that may arise from or in any way connected with the handling, storage, use or disposal of the product. This SDS has been prepared for this product and may only be used with it.

This information describes only the safety requirements of the product(s) and is based on the current state of our knowledge. They do not constitute an assurance of the properties of the described product(s) within the meaning of the statutory warranty provisions. Characteristics of the product can be found in the respective product leaflets.

Commodity Code/Customs 32091000

Tariff Number: