

SISTEC – ST 081WH

Antibacterial single-pack/two-pack hydro coating

Article No.	SIS ST 00 081WH	Print Date:	08.12.2015
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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifiers

Article No. (manufacturer/supplier) ST 00 081WH
Identification of the substance or mixture SISTEC ST 081WH, antibacterial single-pack/two-pack hydro coating

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

Relevant identified uses Paint / Accessory material for the treatment of surface by the industrial user.

1.3 Details of the supplier of the safety data sheet supplier (manufacturer/importer/down-stream user/distributor)

SISTEC Coatings GmbH
Mausenstr. 6/1
71640 Ludwigsburg, Germany
Tel: +49 (0)7141 990 5516 / Fax: +49(0)7141 990 5522

Dept. responsible for information:

E-mail: info@sistec-coatings.de
Laboratory

1.4 Emergency telephone number

+49 (0)30 - 45 05 35 55

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP] This mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

Einstufung gemäß Richtlinie 67/548/EWG oder Richtlinie 1999/45/EG Das Gemisch ist als nicht gefährlich eingestuft im Sinne der 1999/45/EG.

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP] not applicable

Hazard pictograms not applicable

Hazard statements not applicable

Precautionary statements: not applicable

contains: not applicable

Supplemental Hazard information (EU)

EUH 208: Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.

EUH 210: Safety data sheet available on request.

2.3 Other hazards

SECTION 3: Composition / information on ingredients

3.2 Mixtures

Product description / chemical characterization

Description Waterborne preparation

Hazardous ingredients

Classification according to Regulation (EC) No 1272/2008 [CLP] not applicable

Additional information Full text of classification: see section 16

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness give nothing by mouth, place in recovery position and seek medical advice.

In case of inhalation

Remove casualty to fresh air and keep warm and at rest. In case of irregular breathing or respiratory arrest provide artificial respiration.

Following skin contact

Take off immediately all contaminated clothing. After contact with skin, wash immediately with plenty of water and soap. Do not use solvents or thinners.

After eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice immediately.

After ingestion

If swallowed, rinse mouth with water (only if the person is conscious). Seek medical advice immediately. Keep victim calm. Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

In all cases of doubt, or when symptoms persist, seek medical advice.

4.3 Indication of any immediate medical attention and special treatment needed

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

alcohol resistant foam, carbon dioxide, Powder, spray mist, (water)

Extinguishing media which must not be used for safety reasons: strong water jet

5.2 Special hazards arising from the substance or mixture Dense black smoke occurs during fire. Inhaling hazardous decomposing products can cause serious health damage.

5.3 Advice for firefighters Provide a conveniently located respiratory protective device. Cool closed containers that are near the source of the fire. Do not allow water used to extinguish fire to enter drains, ground or waterways. Treat runoff as hazardous.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures Keep away from sources of ignition. Ventilate affected area. Do not breathe vapours. See protective measures under point 7 and 8.

6.2 Environmental precautions Do not allow to enter into surface water or drains. If the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local regulations.

6.3 Methods and material for containment and cleaning up Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see section 13). Clean using cleansing agents. Do not use solvents.

6.4 Reference to other sections Observe protective provisions (see chapter 7 and 8).

SECTION 7: Handling and storage

7.1 Precautions for safe handling
Advices on safe handling

Due to the content of organic solvents in the preparation:

Avoid formation of flammable and explosive vapour concentrations in the air and exceeding the exposure limit values. Only use the material in places where open light, fire and other flammable sources can be kept away. Electrical equipment must be protected meeting the accepted standard. Keep away from heat sources, sparks and open flames. Use only spark proof tools. Avoid contact with skin, eyes and clothes. Do not inhale dusts, particulates and spray mist when using this preparation. Avoid respiration of swarf. When using do not eat, drink or smoke. Personal protection equipment: refer to section 8. Do not empty containers with pressure - no pressure vessel! Always keep in containers that correspond to the material of the original container. Follow the legal protection and safety regulations.

Precautions against fire and explosion: Vapours are heavier than air. Vapours form explosive mixtures with air.

7.2 Conditions for safe storage, including any incompatibilities
Requirements for storage rooms and vessels

Storage in accordance with the Ordinance on Industrial Safety and Health (BetrSIVO). Keep container tightly closed. Do not empty containers with pressure - no pressure vessel! Smoking is forbidden. Access only for authorised persons. Store carefully closed containers

Hints on joint storage

upright to prevent any leaks. Soils have to conform to the "Guidelines for avoidance of ignition hazards due to electrostatic charges (BGR 132)".

Further information on storage conditions

Keep away from strongly acidic and alkaline materials as well as oxidizers.

Take care of instructions on label. Store in a well-ventilated and dry room at temperatures between 5 °C and 30 °C. Protect from heat and direct sunlight. Keep container tightly closed. Remove all sources of ignition. Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks.

7.3 Specific end use(s)

Observe technical data sheet. Observe instructions for use.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit values:

INDEX No. not applicable / CAS No.

8.2 Exposure controls

Provide good ventilation. This can be achieved with local or room suction. If this should not be sufficient to keep aerosol and solvent vapour concentration below the exposure limit values, a suitable respiratory protection must be used.

Occupational exposure controls

Respiratory protection

If concentration of solvents is beyond the occupational exposure limit values, approved and suitable respiratory protection must be used. Observe the wear time limits according GefStoffV in combination with the rules for using respiratory protection apparatus (BGR 190). Use only respiratory protection equipment with CE-symbol including four digit test number. Filter type:A2-P2 (EN 141, 143, 371)

Hand protection

For prolonged or repeated handling the following glove material must be used: Latex gloves Thickness of the glove material > 0,4 mm ; Breakthrough time (maximum wearing time) > 480 min. Observe the instructions and details for use, storage, maintenance and replacement provided by the protective glove manufacturer. Penetration time of glove material depending on intensity and duration of exposure to skin. Recommended glove articles DIN EN 374 Barrier creams can help protecting exposed skin areas. In no case should they be used after contact.

Eye protection

Wear closely fitting protective glasses in case of splashes.

Protective clothing

Wear antistatic clothing of natural fibers (cotton) or heat resistant synthetic fibers.

Protective measures

After contact clean skin thoroughly with water and soap or use appropriate cleanser.

Environmental exposure controls

Do not allow to enter into surface water or drains. See chapter 7. No additional measures necessary.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance:

Physical state: liquid
 Colour: refer to label
 Odour: kind-typically

Safety relevant basis data:

Flash point (°C): n.a.
 Ignition temperature in °C: 207 °C
 Lower explosion limit: 1,4 Vol-%
 Upper explosion limit: 14,0 Vol-%
 Vapour pressure at 20 °C: 0,04 mbar
 Density at 20 °C: 1,04 g/cm³
 Water solubility (g/L): partially soluble
 pH at 20°C: -
 Viscosity at 20 °C: 110 s 4mm
 Solvent separation test (%): <3 %
 Solid content (%): 31,69
 solvent content:
 Organic solvents: 7 Gew-%
 Water: 61 Gew-%

Unit	Method	Remark
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	DIN 53211 ADR/RID	
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9.2 Other information

SECTION 10: Stability and reactivity

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| 10.1 Reactivity | No hazardous reaction when handled and stored according to provisions. |
| 10.2 Chemical stability | Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to chapter 7. |
| 10.3 Possibility of hazardous reactions | Keep away from strong acids, strong bases and strong oxidizing agents to avoid exothermic reactions. |
| 10.4 Conditions to avoid | Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to chapter 7. Hazardous decomposition byproducts may form with exposure to high temperatures. |
| 10.5 Incompatible materials | |
| 10.6 Hazardous decomposition products | Hazardous decomposition byproducts may form with exposure to high temperatures, e.g.: carbon dioxide, carbon monoxide, smoke, nitrogen oxides. No known hazardous decomposition products. |

SECTION 11: Toxicological information

Classification according to Regulation (EC) No 1272/2008 [CLP]
No data on preparation itself available.

11.1 Information on toxicological effects

Acute toxicity

Toxicological data are not available.

skin corrosion/irritation; Serious eye damage/eye irritation

Toxicological data are not available.

Respiratory or skin sensitisation

Toxicological data are not available.

Specific target organ toxicity

Toxicological data are not available.

Aspiration hazard

Toxicological data are not available.

Practical experience/human evidence

Other observations:
Inhaling of solvent components above the MWC-value can lead to health damage, e.g. irritation of the mucous membrane and respiratory organs, as well as damage to the liver, kidneys and the central nerve system. Indications for this are: headache, dizziness, fatigue, amyosthenia, drowsiness, in serious cases: unconsciousness. Solvents may cause some of the aforementioned effects through skin resorption. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and/or absorption through skin. Splashing may cause eye irritation and reversible damage.

Overall Assessment on CMR properties

The ingredients in this mixture do not meet the criteria for classification as CMR category 1A or 1B according to CLP.

Remark

There is no information available on the preparation itself.

SECTION 12: Ecological information

overall evaluation

Classification according to Regulation (EC) No 1272/2008 [CLP]
There is no information available on the preparation itself.
Do not allow to enter into surface water or drains.

12.1 Toxicity

No information available.

Long-term Ecotoxicity

Toxicological data are not available.

12.2 Persistence and degradability

Toxicological data are not available.

12.3 Bioaccumulative potential

Toxicological data are not available.

Bioconcentration factor (BCF)

Toxicological data are not available.

12.4 Mobility in soil

Toxicological data are not available.

12.5 Results of PBT assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6 Other adverse effects

SECTION 13: Disposal considerations

13.1 Waste treatment methods	Do not allow to enter into surface water or drains. This material and its container must be disposed of in a safe way. Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.
Appropriate disposal / Product Recommendation	
List of proposed waste codes/waste designations in accordance with EWC	080112 waste paint and varnish other than those mentioned in 080111
Packaging Recommendation	Non-contaminated packages may be recycled. Vessels not properly emptied are special waste.

SECTION 14: Transport information

No dangerous good in sense of this transport regulation.

14.1 UN number	not applicable
14.2 UN proper shipping name	
14.3 Transport hazard class(es)	not applicable
14.4 Packing group	not applicable
14.5 Environmental hazards	
Land transport (ADR/RID)	not applicable
Marine pollutant	not applicable
14.6 Special precautions for user	Transport always in closed, upright and safe containers. Make sure that persons transporting the product know what to do in case of an accident or leakage. Advices on safe handling: see parts 6 – 8

Additional information

Land transport (ADR/RID)	tunnel restriction code
Sea transport (IMDG)	
EmS-Nr.	not applicable
14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code	not applicable

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture	
EU legislation	
Information according to 1999/13/EC about limitation of emissions of volatile organic compounds (VOC-guide-line).	
VOC-Wert (in g/L) ISO 11890-2:	78
VOC-Wert (in g/L) ASTM D 2369:	211
according to EU-regulation 2004/42/EC (appendix II)	
EU limit value for this product (cat. not apply to directive 2004/42/CE):	0 g/l (2007)/0 g/l (2010).
This product contains max 78 g/l VOC.	

National regulations

Restrictions of occupation

Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

Other regulations, restrictions and prohibition regulations

Chemical safety assessments for substances in this preparation were not carried out.

15.2 Chemical Safety Assessment

SECTION 16: Other information

Full text of classification in section 3:

Abbreviations and acronyms

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

Additional information

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

The information supplied on this safety data sheet complies with our current level of knowledge as well as with national and EU regulations. Without written approval, the product must not be used for purposes different from those mentioned in chapter 1. It is always the user's duty to take any necessary measures for meeting the requirements laid down by local rules and regulations. The details in this safety data sheet describe the safety requirements of our product and are not to be regarded as guaranteed attributes of the product.