



## Safety Data Sheet according to (EC) No 1907/2006

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Thomsit K 188 E

SDS No. : 432781  
V001.5

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Replaces version from: 10.07.2014

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

#### 1.1. Product identifier

Thomsit K 188 E

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

Intended use:

Floor covering adhesive

#### 1.3. Details of the supplier of the safety data sheet

Henkel AG & Co. KGaA

Henkelstr. 67

40191 Düsseldorf

Germany

Phone: +49 (211) 797-0

ua-productsafety.de@henkel.com

#### 1.4. Emergency telephone number

The Henkel information service also provides an around-the-clock telephone service on phone no.+49-(0)211-797-3350 for exceptional cases.

Further information is available at Poison Control Centers.

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification (CLP):

The substance or mixture is not hazardous according to Regulation (EC) No 1272/2008 (CLP).

#### 2.2. Label elements

##### Label elements (CLP):

The substance or mixture is not hazardous according to Regulation (EC) No 1272/2008 (CLP).

##### Supplemental information

EUH210 Safety data sheet available on request.

Contains 1,2-Benzisothiazol-3(2H)-one; Isothiazolinone mixture 3:1. May produce an allergic reaction.

##### Precautionary statement:

P102 Keep out of reach of children.

P101 If medical advice is needed, have product container or label at hand.

##### Precautionary statement: Prevention

P262 Do not get in eyes, on skin, or on clothing.

P271 Use only outdoors or in a well-ventilated area.

**2.3. Other hazards**

None if used properly.

**SECTION 3: Composition/information on ingredients****3.2. Mixtures****General chemical description:**

Dispersion adhesive

**Base substances of preparation:**

Acrylate copolymer dispersion

Modified natural resin

Inorganic fillers

**Declaration of the ingredients according to CLP (EC) No 1272/2008:**

Hazardous components CAS-No.	EC Number REACH-Reg No.	content	Classification
Polypropylene glycol 25322-69-4	500-039-8	1- < 3 %	Acute Tox. 4 H302
1,2-Benzisothiazol-3(2H)-one 2634-33-5	220-120-9	50- < 500 PPM	Aquatic Acute 1 H400 Aquatic Chronic 2 H411 Acute Tox. 4; Oral H302 Skin Irrit. 2 H315 Skin Sens. 1 H317 Eye Dam. 1 H318
Isothiazolinone mixture 3:1 55965-84-9		1,5- < 15 PPM	Acute Tox. 3; Inhalation H331 Acute Tox. 3; Dermal H311 Acute Tox. 3; Oral H301 Skin Sens. 1 H317 Aquatic Acute 1 H400 Aquatic Chronic 1 H410 Skin Corr. 1B H314 M factor: 10

**For full text of the H - statements and other abbreviations see section 16 "Other information".****Substances without classification may have community workplace exposure limits available.****SECTION 4: First aid measures****4.1. Description of first aid measures**

## General information:

In case of adverse health effects seek medical advice.

## Inhalation:

Move to fresh air, consult doctor if complaint persists.

## Skin contact:

Rinse with running water and soap. Apply replenishing cream. Change all contaminated clothing.

Eye contact:

Rinse immediately with plenty of running water, seek medical advice if necessary.

Ingestion:

Rinse mouth and throat. Drink 1-2 glasses of water. Seek medical advice.

#### **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**

See section: Description of first aid measures

### **SECTION 5: Firefighting measures**

#### **5.1. Extinguishing media**

##### **Suitable extinguishing media:**

carbon dioxide, foam, powder, water spray jet, fine water spray

##### **Extinguishing media which must not be used for safety reasons:**

High pressure waterjet

#### **5.2. Special hazards arising from the substance or mixture**

In the event of a fire, carbon monoxide (CO) and carbon dioxide (CO<sub>2</sub>) can be released.

#### **5.3. Advice for firefighters**

Wear self-contained breathing apparatus.

Wear protective equipment.

### **SECTION 6: Accidental release measures**

#### **6.1. Personal precautions, protective equipment and emergency procedures**

Avoid contact with skin and eyes.

Wear protective equipment.

Danger of slipping on spilled product.

#### **6.2. Environmental precautions**

Do not empty into drains / surface water / ground water.

#### **6.3. Methods and material for containment and cleaning up**

Remove mechanically.

Dispose of contaminated material as waste according to Section 13.

#### **6.4. Reference to other sections**

See advice in section 8

### **SECTION 7: Handling and storage**

#### **7.1. Precautions for safe handling**

No particular measures required.

Hygiene measures:

Wash hands before work breaks and after finishing work.

Do not eat, drink or smoke while working.

#### **7.2. Conditions for safe storage, including any incompatibilities**

Frost-sensitive

Store in sealed original container.

Temperatures between + 10 °C and + 30 °C

Do not store together with food or other consumables (coffee, tea, tobacco, etc.).

**7.3. Specific end use(s)**  
Floor covering adhesive**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****Occupational Exposure Limits**Valid for  
Germany

None

**Biological Exposure Indices:**

None

**8.2. Exposure controls:**Respiratory protection:  
Use only in well-ventilated areas.

## Hand protection:

In the case of longer contact protective gloves made from nitrile rubber are recommended according to EN 374.

Perforation time &gt; 60 minutes

material thickness &gt; 0.1 mm

In the case of longer and repeated contact please note that in practice the penetration times may be considerably shorter than those determined according to EN 374. The protective gloves must always be checked for their suitability for use at the specific workplace (e.g. mechanical and thermal stress, product compatibility, antistatic effects, etc.). The gloves must be replaced immediately at the first signs of wear and tear. The information provided by the manufacturers and given in the relevant trade association regulations for industrial safety must always be observed. We recommend that a hand care plan is drawn up in cooperation with a glove manufacturer and the trade association in accordance with the local operating conditions.

Eye protection:  
Protective gogglesSkin protection:  
Suitable protective clothing**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

Appearance	dispersion pasty beige
Odor	typical
Odour threshold	No data available / Not applicable
pH (23 °C (73 °F); Conc.: 100 % product)	6,7 - 7,3
Initial boiling point	No data available / Not applicable
Flash point	No data available / Not applicable
Decomposition temperature	No data available / Not applicable
Vapour pressure	No data available / Not applicable
Density (23 °C (73.4 °F))	1,10 - 1,20 g/cm <sup>3</sup>
Bulk density	No data available / Not applicable
Viscosity (Brookfield; Instrument: HBT; 23 °C (73.4 °F); speed of rotation: 20 min <sup>-1</sup> ; Spindle No: 4)	20.000 - 35.000 mPa.s
Viscosity (kinematic)	No data available / Not applicable
Explosive properties	No data available / Not applicable

Solubility (qualitative) (23 °C (73.4 °F); Solvent: Water)	Miscible
Solidification temperature	No data available / Not applicable
Melting point	No data available / Not applicable
Flammability	No data available / Not applicable
Auto-ignition temperature	No data available / Not applicable
Explosive limits	No data available / Not applicable
Partition coefficient: n-octanol/water	No data available / Not applicable
Evaporation rate	No data available / Not applicable
Vapor density	No data available / Not applicable
Oxidising properties	No data available / Not applicable

**9.2. Other information**

No data available / Not applicable

**SECTION 10: Stability and reactivity****10.1. Reactivity**

Reaction with acids: production of heat and carbon dioxide.

**10.2. Chemical stability**

Stable under recommended storage conditions.

**10.3. Possibility of hazardous reactions**

See section reactivity

**10.4. Conditions to avoid**

None if used for intended purpose.

**10.5. Incompatible materials**

See section reactivity

**10.6. Hazardous decomposition products**

None known.

**SECTION 11: Toxicological information****11.1. Information on toxicological effects****General toxicological information:**

The mixture is classified based on the available hazard information for the ingredients as defined in the classification criteria for mixtures for each hazard class or differentiation in Annex I to Regulation 1272/2008/EC. Relevant available health/ecological information for the substances listed under Section 3 is provided in the following.

**Sensitizing:**

An allergic reaction cannot be excluded after repeated skin contact.

**Acute oral toxicity:**

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
1,2-Benzisothiazol-3(2H)- one 2634-33-5	Acute toxicity estimate (ATE)	670 mg/kg	oral			Expert judgement
1,2-Benzisothiazol-3(2H)- one 2634-33-5	LD50	670 - 784 mg/kg			rat	EPA Guideline
Isothiazolinone mixture 3:1 55965-84-9	LD50	53 mg/kg	oral		rat	

**Acute dermal toxicity:**

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
1,2-Benzisothiazol-3(2H)-one 2634-33-5	LD50	> 5.000 mg/kg	dermal		rat	EPA OPP 81-2 (Acute Dermal Toxicity)

**Skin corrosion/irritation:**

Hazardous components CAS-No.	Result	Exposure time	Species	Method
1,2-Benzisothiazol-3(2H)-one 2634-33-5	moderately irritating	4 h	rabbit	EPA OPP 81-5 (Acute Dermal Irritation)
Isothiazolinone mixture 3:1 55965-84-9	corrosive			

**Serious eye damage/irritation:**

Hazardous components CAS-No.	Result	Exposure time	Species	Method
1,2-Benzisothiazol-3(2H)-one 2634-33-5	highly irritating	48 h	rabbit	EPA OPP 81-4 (Acute Eye Irritation)
1,2-Benzisothiazol-3(2H)-one 2634-33-5	highly irritating		rabbit	Draize Test

**Respiratory or skin sensitization:**

Hazardous components CAS-No.	Result	Test type	Species	Method
1,2-Benzisothiazol-3(2H)-one 2634-33-5	sensitising	Guinea pig maximisation test	guinea pig	Magnusson and Kligman Method
Isothiazolinone mixture 3:1 55965-84-9	Sensitizing		guinea pig	

**Germ cell mutagenicity:**

Hazardous components CAS-No.	Result	Type of study / Route of administration	Metabolic activation / Exposure time	Species	Method
1,2-Benzisothiazol-3(2H)-one 2634-33-5	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		OECD Guideline 471 (Bacterial Reverse Mutation Assay)
	negative	mammalian cell gene mutation assay	with and without		OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)
1,2-Benzisothiazol-3(2H)-one 2634-33-5	negative			mouse	OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test)
	negative	oral: unspecified		rat	OECD Guideline 486 (Unscheduled DNA Synthesis (UDS) Test with Mammalian Liver Cells in vivo)
	negative	oral: gavage		mouse	OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test)

**Repeated dose toxicity**

Hazardous components CAS-No.	Result	Route of application	Exposure time / Frequency of treatment	Species	Method
1,2-Benzisothiazol-3(2H)-one 2634-33-5	NOAEL=10 mg/kg	oral: gavage	90 daysdaily	rat	OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)

## SECTION 12: Ecological information

### General ecological information:

The mixture is classified based on the available hazard information for the ingredients as defined in the classification criteria for mixtures for each hazard class or differentiation in Annex I to Regulation 1272/2008/EC. Relevant available health/ecological information for the substances listed under Section 3 is provided in the following.

Do not empty into drains, soil or bodies of water.

### 12.1. Toxicity

Hazardous components CAS-No.	Value type	Value	Acute Toxicity Study	Exposure time	Species	Method
1,2-Benzisothiazol-3(2H)-one 2634-33-5	LC50	1,4 mg/l	Fish	96 h	Salmo gairdneri (new name: Oncorhynchus mykiss)	OECD Guideline 203 (Fish, Acute Toxicity Test)
	NOEC	0,21 mg/l	Fish	30 d	Oncorhynchus mykiss	OECD Guideline 215 (Fish, Juvenile Growth Test)
1,2-Benzisothiazol-3(2H)-one 2634-33-5	EC50	1,05 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
1,2-Benzisothiazol-3(2H)-one 2634-33-5	EC50	0,11 mg/l	Algae	72 h	Pseudokirchnerella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
	EC10	0,04 mg/l	Algae	72 h	Pseudokirchnerella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
1,2-Benzisothiazol-3(2H)-one 2634-33-5	EC0	1,05 mg/l	Bacteria	30 min		
1,2-Benzisothiazol-3(2H)-one 2634-33-5	NOEC	1,2 mg/l	chronic Daphnia	21 d	Daphnia magna	OECD 211 (Daphnia magna, Reproduction Test)
Isothiazolinone mixture 3:1 55965-84-9	LC50	0,22 mg/l	Fish	96 h	Oncorhynchus mykiss	OECD Guideline 203 (Fish, Acute Toxicity Test)
	NOEC	0,098 mg/l	Fish	28 d	Oncorhynchus mykiss	OECD 210 (fish early life stage toxicity test)
Isothiazolinone mixture 3:1 55965-84-9	EC50	0,048 mg/l	Algae	72 h	Pseudokirchnerella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
	NOEC	0,0012 mg/l	Algae	72 h	Pseudokirchnerella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
Isothiazolinone mixture 3:1 55965-84-9	EC10	0,59 mg/l	Bacteria	16 h		
Isothiazolinone mixture 3:1 55965-84-9	NOEC	0,0036 mg/l	chronic Daphnia	21 d	Daphnia magna	OECD 211 (Daphnia magna, Reproduction Test)

### 12.2. Persistence and degradability

Hazardous components CAS-No.	Result	Route of application	Degradability	Method
Isothiazolinone mixture 3:1 55965-84-9		aerobic	97 %	OECD Guideline 302 B (Inherent biodegradability: Zahn-Wellens/EMPA Test)
	readily biodegradable		> 60 %	OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test)

### 12.3. Bioaccumulative potential / 12.4. Mobility in soil

Hazardous components CAS-No.	LogKow	Bioconcentration factor (BCF)	Exposure time	Species	Temperature	Method
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Isothiazolinone mixture 3:1 55965-84-9		3,6		calculation		
Isothiazolinone mixture 3:1 55965-84-9	-0,71 - 0,75				20 °C	OECD Guideline 117 (Partition Coefficient (n- octanol / water), HPLC Method)

### 12.5. Results of PBT and vPvB assessment

Hazardous components CAS-No.	PBT/vPvB
Polypropylene glycol 25322-69-4	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.
1,2-Benzisothiazol-3(2H)-one 2634-33-5	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.
Isothiazolinone mixture 3:1 55965-84-9	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.

### 12.6. Other adverse effects

No data available.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Product disposal:

Dispose of waste and residues in accordance with local authority requirements.

Disposal of uncleaned packages:

Use packages for recycling only when totally empty.

Waste code

08 04 10 Waste adhesives and sealants other than those mentioned in 08 04 09.

## SECTION 14: Transport information

### 14.1. UN number

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

### 14.2. UN proper shipping name

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

### 14.3. Transport hazard class(es)

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

### 14.4. Packing group

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

### 14.5. Environmental hazards

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

### 14.6. Special precautions for user

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

### 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

VOC content 0,0 %  
(VOCV 814.018 VOC regulation  
CH)

### 15.2. Chemical safety assessment

A chemical safety assessment has not been carried out.

### National regulations/information (Germany):

WGK: 1, slightly water-endangering product. (German VwVwS of May 17, 1999 )  
Classification in conformity with the calculation method  
Storage class according to TRGS 510: 10  
GISCODE: D1 Solvent-free dispersion flooring adhesives

## SECTION 16: Other information

The labelling of the product is indicated in Section 2. The full text of all abbreviations indicated by codes in this safety data sheet are as follows:

H301 Toxic if swallowed.  
H302 Harmful if swallowed.  
H311 Toxic in contact with skin.  
H314 Causes severe skin burns and eye damage.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
H331 Toxic if inhaled.  
H400 Very toxic to aquatic life.  
H410 Very toxic to aquatic life with long lasting effects.  
H411 Toxic to aquatic life with long lasting effects.

### Further information:

This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.

The product is intended for industrial use.

### Label elements (DPD):

The product is not subject to classification according to the calculation methods of the "General Classification Guideline for Preparations of the EC" as issued in the last version.

**Relevant changes in this safety data sheet are indicated by vertical lines at the left margin in the body of this document. Corresponding text is displayed in a different color on shadowed fields.**