



## Safety data sheet according to 1907/2006/EC, Article 31

Printing date 03.08.2017

Version number 13

Revision: 03.08.2017

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

- **1.1 Product identifier**
- **Trade name: KEIM DISPERSIONSENTFERNER**
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the mixture**  
Removal of emulsion and latex coatings based on styrenated and pure acrylate resins, acrylic resin paints, crack-bridging systems and synthetic resin renders on render, concrete or natural stone.
- **Uses advised against** All other uses are not recommended.
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
KEIMFARBEN GMBH  
Keimstraße 16 / 86420 Diedorf  
Tel. +49 (0)821 4802-0  
Fax +49 (0)821 4802-210  
www.keim.com / info@keimfarben.de
- **Further information obtainable from:**  
Product safety department  
Telefon: 49(0)821/4802-138  
E-Mail: sdb.info@keimfarben.de
- **1.4 Emergency telephone number:**  
GBK GmbH Global Regulatory Compliance  
Emergency number: +49(0)6132/84463

### SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**  
Eye Irrit. 2 H319 Causes serious eye irritation.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**  
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



GHS07

- **Signal word** Warning
- **Hazard statements**  
H319 Causes serious eye irritation.
- **Precautionary statements**  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P264 Wash thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.

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P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

P362 Take off contaminated clothing.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

### SECTION 3: Composition/information on ingredients

- **3.2 Mixtures**
- **Description:** Solvent/Surfactant alloy, thixotrope

- **Dangerous components:**

EC number: 918-481-9 Index number: 649-327-00-6 Reg.nr.: 01-2119457273-39-XXXX	Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics ⚠ Asp. Tox. 1, H304	2.5-10%
CAS: 142-16-5 EINECS: 205-524-5 Reg.nr.: 01-2119524002-60-XXXX	Bis(2-ethyhexyl) maleate ⚠ STOT RE 2, H373; ⚠ Aquatic Chronic 1, H410	≤ 2.5%
CAS: 577-11-7 EINECS: 209-406-4 Reg.nr.: 01-2119491296-29-XXXX	docusate sodium ⚠ Eye Dam. 1, H318; ⚠ Skin Irrit. 2, H315	≤ 2.5%

- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

### SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information:**  
With appearance of symptoms or in cases of doubt seek medical advice .  
When seeing the doctor we suggest to present this safety data sheet.  
Immediately remove any clothing soiled by the product.
- **After inhalation:**  
Supply fresh air; consult doctor in case of complaints.  
Keep affected person warm and quiet.  
In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:**  
Immediately wash with water and soap and rinse thoroughly.  
Do not use solvents or thinners.  
If skin irritation continues, consult a doctor.
- **After eye contact:**  
Rinse opened eye for several minutes under running water. Then consult a doctor.

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- **After swallowing:**  
Rinse mouth and throat well with water.  
Do not induce vomiting; call for medical help immediately.
- **4.2 Most important symptoms and effects, both acute and delayed**  
No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**  
CO<sub>2</sub>, powder or water spray. Fight larger fire with alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **5.2 Special hazards arising from the substance or mixture**  
In case of fire, thick, black smoke develops. Inhalation of the dangerous decomposition products may cause serious health damages.  
In case of fire, the following can be released:  
carbon oxide (CO<sub>x</sub>)  
Nitrogen oxides (NO<sub>x</sub>)
- **5.3 Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.
- **Additional information**  
Cool endangered receptacles with water spray.  
In case of fire do not breathe smoke, fumes and vapours.  
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Keep away from ignition sources.  
Respect the protection rules (see section 7 a. 8).  
Particular danger of slipping on leaked/spilled product.  
Ensure adequate ventilation  
Avoid contact with skin and eyes.  
Do not inhale fumes.
- **6.2 Environmental precautions:**  
Do not allow product to reach soil, sewage system or any water course.  
Follow local governmental rules and regulations.
- **6.3 Methods and material for containment and cleaning up:**  
Ensure adequate ventilation.  
Absorb with non-combustible liquid-binding material (sand, diatomite, vermiculite).  
Send for recovery or disposal in suitable receptacles.  
Dispose of the material collected according to regulations.  
Clear contaminated areas thoroughly.

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· **6.4 Reference to other sections**

- See Section 7 for information on safe handling.
- See Section 8 for information on personal protection equipment.
- See Section 13 for disposal information.

### SECTION 7: Handling and storage

· **7.1 Precautions for safe handling**

- Use only in well ventilated areas.
- Keep receptacles tightly sealed.
- Avoid contact with skin and eyes.
- Do not inhale aerosols.
- In case of aerosol formation special protective measures are required (exhausting by suction, respiratory protection).
- Ensure good ventilation/exhaustion at the workplace.
- See item 8 for information about suitable protective equipment and technical precautions. Respect the protection rules.

· **Information about fire - and explosion protection:**

- Keep ignition sources away - Do not smoke.
- Fumes can combine with air to form an explosive mixture.

· **7.2 Conditions for safe storage, including any incompatibilities**

· **Storage:**

· **Requirements to be met by storerooms and receptacles:**

- Keep in the original containers in a cool and dry place.
- Store only in unopened original receptacles.

· **Information about storage in one common storage facility:**

- Do not store together with acids.
- Do not store together with alkalis (caustic solutions).
- Store away from oxidising agents.

· **Further information about storage conditions:**

- Protect from frost.
- Store receptacle in a well ventilated area.
- Protect from heat and direct sunlight.
- Store at temperatures between 5 °C and 35 °C.
- Please note information on label

· **Storage class:** 11

· **7.3 Specific end use(s)** No further relevant information available.

### SECTION 8: Exposure controls/personal protection

· **8.1 Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**

- TRGS 900, Kap 2.9 (RCP-Methode), AGW = 600 mg/m<sup>3</sup>

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**Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics**

MAK (Germany)	Long-term value: 300 mg/m <sup>3</sup> , 50 ppm vgl. Abschn. Xc
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· **DNELs****142-16-5 Bis(2-ethyhexyl) maleate**

Dermal	Long-term - systemic effects, worker	0.42 mg/kg bw/day (worker)
	Long-term - local effects, worker	3.91 (worker)
Inhalative	Long-term - systemic effects, worker	1.95 mg/m <sup>3</sup> (worker)
	Long-term - local effects, worker	1.95 mg/m <sup>3</sup> (worker)

**577-11-7 docusate sodium**

Oral	Long-term - systemic effects, consumer	18.8 mg/kg/day (consumer)
Dermal	Long-term - systemic effects, worker	31.3 mg/kg bw/day (worker)
	Long-term - systemic effects, consumer	18.8 mg/kg/day (consumer)
Inhalative	Long-term - systemic effects, worker	44.1 mg/m <sup>3</sup> (worker)
	Long-term - systemic effects, consumer	13 mg/m <sup>3</sup> (consumer)

· **PNECs****142-16-5 Bis(2-ethyhexyl) maleate**

Aquatic compartment - freshwater	0.001 mg/l (freshwater)
Aquatic compartment - marine water	0.0001 mg/l (marine water)
Aquatic compartment - sediment in freshwater	15.95 mg/kg sed dw (sediment fresh water)
Aquatic compartment - sediment in marine water	1.595 mg/kg sed dw (sediment marine water)
Terrestrial compartment - soil	3.19 mg/kg dw (soil)
Sewage treatment plant	100 mg/l (sewage treatment plant)

**577-11-7 docusate sodium**

Aquatic compartment - freshwater	0.0066 mg/l (freshwater)
Aquatic compartment - marine water	0.0007 mg/l (marine water)
Aquatic compartment - sediment in freshwater	0.653 mg/kg sed dw (sediment fresh water)
Aquatic compartment - sediment in marine water	0.0653 mg/kg sed dw (sediment marine water)
Terrestrial compartment - soil	0.138 mg/kg dw (soil)
Sewage treatment plant	122 mg/l (sewage treatment plant)

· **Additional information:** The lists valid during the making were used as basis.· **8.2 Exposure controls**· **Personal protective equipment:**· **General protective and hygienic measures:**

Avoid contact with the eyes and skin.

Do not inhale aerosols.

Wash hands before breaks and at the end of work.

Immediately remove all soiled and contaminated clothing

· **Respiratory protection:**

Use suitable respiratory protective device only when aerosol or mist is formed.

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- Combination filter A2/P2
- **Protection of hands:** Protective gloves
- **Material of gloves**  
suitable material e.g.:  
Nitrile rubber, NBR  
KCL Camatril  
Recommended thickness of the material:  $\geq 0.4$  mm  
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material**  
Value for the permeation: Level  $\geq 6$  ( $> 480$  min)  
The determined penetration times according to EN 374 part III are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.  
The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:**  
Goggles recommended during refilling  
Tightly sealed goggles
- **Body protection:**  
Protective work clothing  
Solvent resistant protective clothing
- **Limitation and supervision of exposure into the environment** See Section 12 and 6.2

### SECTION 9: Physical and chemical properties

#### · 9.1 Information on basic physical and chemical properties

##### · General Information

##### · Appearance:

Form:	Pasty
Colour:	Yellowish
· Odour:	Fruit-like
· Odour threshold:	Not determined.

· pH-value at 20°C: 8-9\* (1% in H<sub>2</sub>O, pH-Elektrode)

##### · Change in condition

Melting point/freezing point:	Undetermined.
Initial boiling point and boiling range:	Undetermined.

· Flash point: 62°C (Pensky-Martens)

· Flammability (solid, gas): Not applicable.

· Ignition temperature: 190°C

· Decomposition temperature: Not determined.

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· <b>Auto-ignition temperature:</b>	Product is not selfigniting.
· <b>Explosive properties:</b>	Product does not present an explosion hazard.
· <b>Explosion limits:</b>	
<b>Lower:</b>	0.9 Vol %
<b>Upper:</b>	44 Vol % (3)
· <b>Vapour pressure at 20°C:</b>	~1 hPa
· <b>Density at 20°C:</b>	1.0-1.1* g/cm <sup>3</sup>
· <b>Relative density</b>	Not determined.
· <b>Vapour density</b>	Not applicable.
· <b>Evaporation rate</b>	Not determined.
· <b>Solubility in / Miscibility with water:</b>	Emulsifiable.
· <b>Partition coefficient: n-octanol/water:</b>	Not determined.
· <b>Viscosity:</b>	
<b>Dynamic at 20°C:</b>	4000-7000* mPas
<b>Kinematic:</b>	Not determined.
· <b>Solvent content:</b>	
<b>VOC (EC)</b>	237.75 g/l (ISO 11890-2)
· <b>9.2 Other information</b>	* The values are for freshly produced material and may change with the time.

### SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability** Stable under normal conditions of storage and use.
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used and stored according to specifications.  
Risk of decomposition when exposed to heat.
- **10.3 Possibility of hazardous reactions**  
Reacts with acids, alkalis and oxidising agents.  
Exothermic reaction.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:**  
Acids  
Bases  
oxidizing agents
- **10.6 Hazardous decomposition products:**  
In case of fire, thick, black smoke develops. Inhalation of the dangerous decomposition products may cause serious health damages.  
In case of fire, the following can be released:  
carbon oxide (COx)

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Nitrogen oxides (NO<sub>x</sub>)  
No hazardous decomposition products if stored and handled as prescribed.

### SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.

- **LD/LC50 values relevant for classification:**

**Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics**

Oral	LD50	>5,000 mg/kg (rat) (OECD 401)
Dermal	LD50	>5,000 mg/kg (rabbit) (OECD 402)
Inhalative	LC50/4 h	>5 mg/l (rat) (OECD 403)

**577-11-7 docusate sodium**

Oral	LD50	1,900 mg/kg (rat)
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- **Primary irritant effect:**
- **Skin corrosion/irritation**  
Has de-greasing effect on skin.  
Frequent persistent contact with the skin may cause skin irritation.
- **Serious eye damage/irritation**  
Causes serious eye irritation.
- **during inhalation:** Irritant effect possible.
- **during swallowing:** Irritant effect possible
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Other information (about experimental toxicology):**  
Experimental analysis are not available.  
The product was not tested. The statements on toxicology have been derived from the properties of the individual components.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)** not applicable
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

### SECTION 12: Ecological information

- **12.1 Toxicity**

- **Aquatic toxicity:**

**Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics**

EC 50	>1,000 mg/l (algae)
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LC 50	>1,000 mg/l (invertebrates)
LC 50	>1,000 mg/l (fish)
LC0 /96h	1,000 mg/l (fish)
EC 0/48h	1,000 mg/l (daphnia)
EC 0/72h	1,000 mg/l (algae)

- **12.2 Persistence and degradability** biodegradable
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **AOX-indication:**  
Due to the substance of content which do not include organic jointed halogens, the product can not take influence on the AOX-load of the waste water.
- **According to the formulation contains the following heavy metals and compounds from the EU guideline NO. 2006/11/EC:**  
According to our current data base the product does not consist of any heavy metals or substances of EU-directives 76/464/EWG.
- **General notes:**  
Do not allow product to reach ground water, water course or sewage system.  
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

### SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**  
Must not be disposed with household garbage. Do not allow product to reach sewage system.  
Disposal must be made according to official regulations.

- **European waste catalogue**

08 01 11*	waste paint and varnish containing organic solvents or other hazardous substances
08 01 17*	wastes from paint or varnish removal containing organic solvents or other hazardous substances

- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agents:** Water, if necessary with cleansing agents.

### SECTION 14: Transport information

- **14.1 UN-Number**
- **ADR, IMDG, IATA** Void

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· <b>14.2 UN proper shipping name</b> · <b>ADR, IMDG, IATA</b>	Void
· <b>14.3 Transport hazard class(es)</b> · <b>ADR, IMDG, IATA</b> · <b>Class</b>	Void
· <b>14.4 Packing group</b> · <b>ADR, IMDG, IATA</b>	Void
· <b>14.5 Environmental hazards:</b> · <b>Marine pollutant:</b>	No
· <b>14.6 Special precautions for user</b>	Not applicable.
· <b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not applicable.
· <b>Transport/Additional information:</b>	No dangerous good in sense of these transport regulations.
· <b>UN "Model Regulation":</b>	Void

### SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Labelling according to Regulation (EC) No 1272/2008**  
For information on labelling please refer to section 2 of this document.
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **National regulations:**
- **Waterhazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.
- **Other regulations, limitations and prohibitive regulations**
- **Please note:**  
TRGS 200 (Germany)  
TRGS 500 (Germany)  
TRGS 510 (Germany)  
TRGS 900 (Germany)
- **Substances of very high concern (SVHC) according to REACH, Article 57** not applicable
- **Product-Code/Giscode:** GF0
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has been carried out.

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· **A Chemical Safety Assessment has been carried out for the following substances in this preparation:**

EC number: 918-481-9	Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics
Index number: 649-327-00-6	
Reg.nr.: 01-2119457273-39-XXXX	
	⚠ Asp. Tox. 1, H304

### SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant phrases**

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H373 May cause damage to organs through prolonged or repeated exposure.

H410 Very toxic to aquatic life with long lasting effects.

· **Department issuing SDS:** KEIMFARBEN Germany, Product safety department

· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

TRGS: Technische Regeln für Gefahrstoffe (Technical Rules for Dangerous Substances, BAuA, Germany)

VOC: Volatile Organic Compounds (USA, EU)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

AGW: Arbeitsplatzgrenzwert (Germany)

EC10: Effective concentration at 10% mortality rate.

EC50: Half maximal effective concentration.

LC10: Lethal concentration at 10% mortality rate.

NOEC: No observed effect concentration.

REACH: Registration, Evaluation and Authorisation of Chemicals (Regulation (EC) No.1907/2006)

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

Asp. Tox. 1: Aspiration hazard – Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

· **\* Data compared to the previous version altered.**