



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

Printing date 04.08.2017


Version number 12

Revision: 04.08.2017

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

- **1.1 Product identifier**
- **Trade name: KEIM I.G.PRIMER (I&F-GRUND)**
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the mixture** Priming
- **Uses advised against** All other uses are not recommended.
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
KEIM MINERAL PAINTS LTD  
Santok Building / Deer Park Way, Donnington Wood GB-Telford, Shropshire TF2 7NA  
Tel +44 1952 231 250 / Fax +44 1952 231 251  
www.keim.com / sales@keimpaints.co.uk
- **Further information obtainable from:**  
David Pratt  
Telefon: +44 1952 231250  
E-Mail: sales@keimpaints.co.uk
- **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**  
Flam. Liq. 2 H225 Highly flammable liquid and vapour.  
Eye Dam. 1 H318 Causes serious eye damage.  
STOT SE 3 H336 May cause drowsiness or dizziness.
- **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**  
  
GHS02 GHS05 GHS07
- **Signal word** Danger
- **Hazard-determining components of labelling:**  
2-methylpropan-1-ol  
ethyl acetate
- **Hazard statements**  
H225 Highly flammable liquid and vapour.  
H318 Causes serious eye damage.

(Contd. on page 2)



## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 04.08.2017

Version number 12

Revision: 04.08.2017

**Trade name: KEIM I.G.PRIMER  
(I&F-GRUND)**

(Contd. of page 1)

H336 May cause drowsiness or dizziness.

**Precautionary statements**

- P102 Keep out of reach of children.  
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P233 Keep container tightly closed.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P315 Get immediate medical advice/attention.  
P405 Store locked up.  
P403+P235 Store in a well-ventilated place. Keep cool.  
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:** Preparation based on synthetic resin and organic solvents

**Dangerous components:**

CAS: 141-78-6 EINECS: 205-500-4 Index number: 607-022-00-5 Reg.nr.: 01-2119475103-46-XXXX	ethyl acetate ⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319; STOT SE 3, H336	25-50%
CAS: 123-86-4 EINECS: 204-658-1 Index number: 607-025-00-1 Reg.nr.: 01-2119485493-29-XXXX	n-butyl acetate ⚠ Flam. Liq. 3, H226; ⚠ STOT SE 3, H336	10-25%
CAS: 67-63-0 EINECS: 200-661-7 Index number: 603-117-00-0 Reg.nr.: 01-2119457558-25-XXXX	propan-2-ol ⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319; STOT SE 3, H336	10-25%
CAS: 78-83-1 EINECS: 201-148-0 Index number: 603-108-00-1 Reg.nr.: 01-2119484609-23-XXXX	2-methylpropan-1-ol ⚠ Flam. Liq. 3, H226; ⚠ Eye Dam. 1, H318; ⚠ Skin Irrit. 2, H315; STOT SE 3, H335-H336	2.5-10%

(Contd. on page 3)



## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 04.08.2017

Version number 12

Revision: 04.08.2017

**Trade name: KEIM I.G.PRIMER  
(I&F-GRUND)**

(Contd. of page 2)

CAS: 108-65-6 EINECS: 203-603-9 Index number: 607-195-00-7 Reg.nr.: 01-2119475791-29-XXXX	2-methoxy-1-methylethyl acetate ⚠ Flam. Liq. 3, H226	2.5-10%
CAS: 64-17-5 EINECS: 200-578-6 Index number: 603-002-00-5 Reg.nr.: 01-2119457610-43-XXXX	ethanol ⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319	2.5-10%

- **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 .  
In case of unconsciousness place patient stably in side position for transportation.  
When seeing the doctor we suggest to present this safety data sheet.  
Immediately remove any clothing soiled by the product.

##### · **After inhalation:**

Take affected persons into fresh air and keep quiet.  
Seek medical treatment in case of complaints.

##### · **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.

##### · **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 fires with water spray or 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:

(Contd. on page 4)



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

Printing date 04.08.2017

Version number 12

Revision: 04.08.2017

**Trade name: KEIM I.G.PRIMER  
(I&F-GRUND)**

(Contd. of page 3)

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.

Collect contaminated fire fighting water separately. It must not enter the sewage system.

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

In case of fire do not breathe smoke, fumes and vapours.

### SECTION 6: Accidental release measures

· **6.1 Personal precautions, protective equipment and emergency procedures**

Keep away from ignition sources.

Ensure adequate ventilation

Do not inhale fumes.

Respect the protection rules (see section 7 a. 8).

Wear protective equipment. Keep unprotected persons away.

· **6.2 Environmental precautions:**

Do not allow product to reach soil, sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system.

Follow local governmental rules and regulations.

· **6.3 Methods and material for containment and cleaning up:**

Dispose contaminated material as waste according to item 13.

Absorb with non-combustible liquid-binding material (sand, diatomite, vermiculite).

Ensure adequate ventilation.

Dispose of the material collected according to regulations.

Clear contaminated areas thoroughly.

· **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**

Keep receptacles tightly sealed.

Do not inhale aerosols.

Ensure good ventilation/exhaustion at the workplace.

Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).

Avoid contact with skin and eyes.

See item 8 for information about suitable protective equipment and technical precautions. Respect the protection rules.

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

Fumes can combine with air to form an explosive mixture.

Use explosion-proof apparatus / fittings and spark-proof tools.

(Contd. on page 5)



## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 04.08.2017

Version number 12

Revision: 04.08.2017

**Trade name: KEIM I.G.PRIMER  
(I&F-GRUND)**

(Contd. of page 4)

Use only in explosion protected area.  
Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.

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

· **Storage:**

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

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

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

Do not store together with alkalis (caustic solutions).  
Do not store together with oxidising and acidic materials.

· **Further information about storage conditions:**

Store under lock and key and out of the reach of children.  
Store receptacle in a well ventilated area.  
Protect from frost.

Please note information on label

Keep container tightly sealed.

Protect from heat and direct sunlight.

· **Storage class: 3**

· **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:**

**141-78-6 ethyl acetate**

WEL	Short-term value: 400 ppm Long-term value: 200 ppm
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**123-86-4 n-butyl acetate**

WEL	Short-term value: 966 mg/m <sup>3</sup> , 200 ppm Long-term value: 724 mg/m <sup>3</sup> , 150 ppm
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**67-63-0 propan-2-ol**

WEL	Short-term value: 1250 mg/m <sup>3</sup> , 500 ppm Long-term value: 999 mg/m <sup>3</sup> , 400 ppm
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**78-83-1 2-methylpropan-1-ol**

WEL	Short-term value: 231 mg/m <sup>3</sup> , 75 ppm Long-term value: 154 mg/m <sup>3</sup> , 50 ppm
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**108-65-6 2-methoxy-1-methylethyl acetate**

WEL	Short-term value: 548 mg/m <sup>3</sup> , 100 ppm Long-term value: 274 mg/m <sup>3</sup> , 50 ppm Sk
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(Contd. on page 6)

GB



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

Printing date 04.08.2017

Version number 12

Revision: 04.08.2017

**Trade name: KEIM I.G.PRIMER  
(I&F-GRUND)**

(Contd. of page 5)

**64-17-5 ethanol**

WEL Long-term value: 1920 mg/m<sup>3</sup>, 1000 ppm

**· DNELs**

**123-86-4 n-butyl acetate**

Oral	Long-term - systemic effects, consumer	3.4 mg/kg/day (consumer)
Dermal	Long-term - systemic effects, consumer	3.4 mg/kg/day (consumer)
	Long-term - local effects, worker	7 (worker)
Inhalative	Acute-systemic effects, worker	960 (worker)
	Acute-systemic effects, consumer	859.7 (consumer)
	Acute - local effects, worker	960 (worker)
	Acute - local effects, consumer	859.7 mg/m <sup>3</sup> (consumer)
	Long-term - systemic effects, worker	48 mg/m <sup>3</sup> (worker)
	Long-term - systemic effects, consumer	12 mg/m <sup>3</sup> (consumer)
	Long-term - local effects, worker	48 mg/m <sup>3</sup> (worker)
	Long-term - local effects, consumer	102.34 (consumer)

**67-63-0 propan-2-ol**

Dermal	Long-term - systemic effects, worker	319 mg/kg bw/day (worker)
	Long-term - systemic effects, consumer	888 mg/kg/day (consumer)
Inhalative	Long-term - systemic effects, worker	500 mg/m <sup>3</sup> (worker)

**· PNECs**

**123-86-4 n-butyl acetate**

Aquatic compartment - freshwater	0.18 mg/l (freshwater)
Aquatic compartment - marine water	0.018 mg/l (marine water)
Aquatic compartment - water, intermittent releases	0.36 mg/l (not specified)
Aquatic compartment - sediment in freshwater	0.981 mg/kg sed dw (sediment fresh water)
Aquatic compartment - sediment in marine water	0.0981 mg/kg sed dw (sediment marine water)
Terrestrial compartment - soil	0.0903 mg/kg dw (soil)
Sewage treatment plant	35.6 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 gases / fumes / 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.

(Contd. on page 7)



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

Printing date 04.08.2017

Version number 12

Revision: 04.08.2017

**Trade name: KEIM I.G.PRIMER  
(I&F-GRUND)**

(Contd. of page 6)

- Combination filter A
- **Protection of hands:**  
Protective gloves  
After each cleaning use treatment creams, for very dry skin greasy ointments.
- **Material of gloves**  
suitable material e.g.:  
Butyl rubber, BR  
Recommended thickness of the material:  $\geq 0.7$  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:**  
if applicable face protection  
Tightly sealed goggles
- **Body protection:**  
Solvent resistant protective clothing  
After contact with skin wash thoroughly with water and apply lotion.
- **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:	Fluid
Colour:	Colourless
Odour:	Solvent-like
Odour threshold:	Not determined.
- **pH-value:** Not determined
- **Change in condition**

Melting point/freezing point:	Not determined
Initial boiling point and boiling range:	$>35^{\circ}\text{C}$
- **Flash point:**  $<7^{\circ}\text{C}$
- **Flammability (solid, gas):** Not applicable.

(Contd. on page 8)



## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 04.08.2017

Version number 12

Revision: 04.08.2017

Trade name: **KEIM I.G.PRIMER**  
(I&F-GRUND)

(Contd. of page 7)

· <b>Ignition temperature:</b>	315°C
· <b>Decomposition temperature:</b>	Not determined.
· <b>Auto-ignition temperature:</b>	Product is not selfigniting.
· <b>Explosive properties:</b>	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
· <b>Explosion limits:</b>	
Lower:	1.2 Vol %
Upper:	12.0 Vol %
· <b>Oxidising properties</b>	Not applicable.
· <b>Vapour pressure at 50°C:</b>	<1100 hPa
· <b>Density at 20°C:</b>	0.9-1.0* g/cm <sup>3</sup>
· <b>Relative density</b>	Not determined.
· <b>Vapour density</b>	Not applicable.
· <b>Evaporation rate</b>	Not applicable.
· <b>Solubility in / Miscibility with water:</b>	Partly soluble.
· <b>Partition coefficient: n-octanol/water:</b>	Not applicable.
· <b>Viscosity:</b>	
Dynamic:	Not determined.
Kinematic at 20°C:	15 s (DIN 53211/4)
· <b>Solvent separation test:</b>	3 % (20 °C)
· <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.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:**  
Bases  
oxidizing agents  
Acids
- **10.6 Hazardous decomposition products:**  
In case of fire, the following can be released:  
carbon oxide (COx)

(Contd. on page 9)





## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 04.08.2017

Version number 12

Revision: 04.08.2017

**Trade name: KEIM I.G.PRIMER  
(I&F-GRUND)**

(Contd. of page 8)

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:**

**141-78-6 ethyl acetate**

Oral	LD50	5,620 mg/kg (rabbit)
Inhalative	LC50/4 h	1,600 mg/l (rat)

**123-86-4 n-butyl acetate**

Oral	LD50	13,100 mg/kg (rat)
Dermal	LD50	>5,000 mg/kg (rabbit)
Inhalative	LC50/4 h	>21 mg/l (rat)

**67-63-0 propan-2-ol**

Oral	LD50	5,840 mg/kg (rat)
Dermal	LD50	>12,800 mg/kg (rabbit)
Inhalative	LC50/4 h	46.6 mg/l (rat)
	LC 50/6h	>10,000 g/m <sup>3</sup> (rat)

**78-83-1 2-methylpropan-1-ol**

Oral	LD50	2,460 mg/kg (rat)
Dermal	LD50	3,400 mg/kg (rabbit)

**108-65-6 2-methoxy-1-methylethyl acetate**

Oral	LD50	8,532 mg/kg (rat)
Inhalative	LC50/4 h	35.7 mg/l (rat)

**64-17-5 ethanol**

Oral	LD50	10,470 mg/kg (rat)
Inhalative	LC50/4 h	124.7 mg/l (rat)

- **Primary irritant effect:**
- **Skin corrosion/irritation** Frequent persistent contact with the skin may cause skin irritation.
- **Serious eye damage/irritation**  
Causes serious eye damage.
- **during inhalation:**  
Vapours may cause drowsiness and dizziness.  
Irritating to respiratory system.
- **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.

(Contd. on page 10)



## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 04.08.2017

Version number 12

Revision: 04.08.2017

**Trade name: KEIM I.G.PRIMER  
(I&F-GRUND)**

(Contd. of page 9)

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**  
May cause drowsiness or dizziness.
- **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:

##### **67-63-0 propan-2-ol**

NOEC	1,800 mg/l (algae) (7d) 21 mg/l (invertebrates)
ErC50/72h	>1,000 mg/l (algae)
EC 50	>1,000 mg/l (activated sludge) >100 mg/l (fish)
LC 50/96 h	9,640 mg/l (fish) (OECD 203)
LC 50/24h	>1,000 mg/l (daphnia)

##### **64-17-5 ethanol**

NOEC	10 mg/l (daphnia)
EC 50/48h	>1,000 mg/l (bacteria) 5,012 mg/l (daphnia)
EC 50/72 h	275 mg/l (algae) (OECD 201)
LC 50/96 h	14,200 mg/l (fish)
EC 10	72 mg/l (algae) (OECD 201)

- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.

##### · Additional ecological information:

##### · AOX-indication:

According to our standard of knowledge the product does not contain any organic bounded halogen. The product has no influence on the waste water's AOX-value.

##### · 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.

(Contd. on page 11)



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

Printing date 04.08.2017

Version number 12

Revision: 04.08.2017

**Trade name: KEIM I.G.PRIMER  
(I&F-GRUND)**

(Contd. of page 10)


- **General notes:**  
At present there are no ecotoxicological assessments.  
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**  
Disposal must be made according to official regulations.  
Must not be disposed with household garbage. Do not allow product to reach sewage system.
- **European waste catalogue**

08 01 11*	waste paint and varnish containing organic solvents or other hazardous substances
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- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agents:** Water, if necessary with cleansing agents.

### SECTION 14: Transport information

- |  |   |
|--|---|
| <ul style="list-style-type: none"><li>· <b>14.1 UN-Number</b></li><li>· <b>ADR, IMDG, IATA</b></li></ul>                               | UN1263                                      |
| <ul style="list-style-type: none"><li>· <b>14.2 UN proper shipping name</b></li><li>· <b>ADR</b></li><li>· <b>IMDG, IATA</b></li></ul> | 1263 PAINT, special provision 640D<br>PAINT |
| <ul style="list-style-type: none"><li>· <b>14.3 Transport hazard class(es)</b></li><li>· <b>ADR, IMDG, IATA</b></li></ul>              |   |
|   |   |
| <ul style="list-style-type: none"><li>· <b>Class</b></li><li>· <b>Label</b></li></ul>  | 3 Flammable liquids.<br>3                   |
| <ul style="list-style-type: none"><li>· <b>14.4 Packing group</b></li><li>· <b>ADR, IMDG, IATA</b></li></ul>                           | II  |

(Contd. on page 12)



## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 04.08.2017

Version number 12

Revision: 04.08.2017

**Trade name: KEIM I.G.PRIMER  
(I&F-GRUND)**

(Contd. of page 11)

· <b>14.5 Environmental hazards:</b>	
· <b>Marine pollutant:</b>	No
· <b>14.6 Special precautions for user</b>	Warning: Flammable liquids.
· <b>Danger code (Kemler):</b>	33
· <b>EMS Number:</b>	F-E, <u>S-E</u>
· <b>Stowage Category</b>	B
· <b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not applicable.
· <b>Transport/Additional information:</b>	
· <b>ADR</b>	
· <b>Limited quantities (LQ)</b>	5L
· <b>Excepted quantities (EQ)</b>	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· <b>Transport category</b>	2
· <b>Tunnel restriction code</b>	D/E
· <b>IMDG</b>	
· <b>Limited quantities (LQ)</b>	5L
· <b>Excepted quantities (EQ)</b>	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· <b>UN "Model Regulation":</b>	UN 1263 PAINT, SPECIAL PROVISION 640D, 3, II

### 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.
- **Seveso category** P5c FLAMMABLE LIQUIDS
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 5,000 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 50,000 t
- **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)

(Contd. on page 13)

GB



## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 04.08.2017

Version number 12

Revision: 04.08.2017

**Trade name: KEIM I.G.PRIMER  
(I&F-GRUND)**

(Contd. of page 12)

TRGS 510 (Germany)

TRGS 900 (Germany)

- **Substances of very high concern (SVHC) according to REACH, Article 57** not applicable
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### 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**

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

- **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

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)

Flam. Liq. 2: Flammable liquids – Category 2

Flam. Liq. 3: Flammable liquids – Category 3

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 SE 3: Specific target organ toxicity (single exposure) – Category 3

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