

Safety Data Sheet

according to 1907/2006/EC, Article 31



Printing date 24.09.2010

Revision: 24.09.2010

1 Identification of the substance/preparation and of the company/undertaking

- **Product details**
- **Trade name:** **KEIM I.W. Primer-Comp.A**
- **Application of the substance / the preparation** Insulating material
- **Manufacturer/Supplier:**
 KEIM MINERAL PAINTS LTD
 Santok Building
 Deer Park Way
 Donnington Wood
 Telford
 Shropshire
 TF2 7NA
 United Kingdom
 Tel: +44 1952 231250
 Fax: +44 1952 231251
 Url: <http://www.keimpaints.co.uk>
- **Further information obtainable from:**
 David Pratt
 Telefon: +44 1952 231250
 E-Mail: sales@keimpaints.co.uk
- **Information in case of emergency:**
 GBK Gefahrgut Büro GmbH
 Emergency number: +49(0)6132/84463

2 Hazards identification

- **Hazard description:**
 Xi Irritant
- **Information concerning particular hazards for human and environment:**
 R 43 May cause sensitisation by skin contact.
- **Classification system:**
 The classification is based on the classification guidelines of the EU, of GefStoffV, endorsed by company information.

3 Composition/information on ingredients

- **Chemical characterization**
- **Description:** Watery copolymer-dispersion.

- **Dangerous components:**

CAS: 68891-38-3 NLP: 500-234-8	Alcohols, C12-14, ethoxylated, sulfates, sodium salts Xi; R 36/38	≤ 2.5%
CAS: 55965-84-9	mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2Hisothiazol-3-one [EC no. 220-239-6] (3:1) mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-4-isothiazolin-3-one [EC no. 220-239-6] (3:1) T, C, N; R 23/24/25-34-43-50/53	< 0.5%

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

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4 First aid measures

- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**
Wash off immediately with water and soap and rinse well afterwards.
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.

5 Fire-fighting measures

- **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray or resistant foam.
Product itself does not burn. Co-ordinate fire-fighting measures to the fire surroundings.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards caused by the substance, its products of combustion or resulting gases:**
Harmful and flammable vapour is released during pyrolysis.
In case of fire, the following can be released:
carbon oxide (CO_x)
silicon dioxide (SiO₂)
acrylic monomers
- **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.
The product itself is inflammable. The remaining polymer after ablating of the aqueous phase is flammable.

6 Accidental release measures

- **Person-related safety precautions:**
Respect the protection rules (see section 7 a. 8).
Ensure adequate ventilation
Avoid contact with skin and eyes.
Particular danger of slipping on leaked/spilled product.
- **Measures for environmental protection:**
Do not allow product to reach soil, sewage system or any water course.
Follow local governmental rules and regulations.
- **Measures for cleaning/collecting:**
Close drainage (Risk of blocking due to polymer precipitation)
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Clear contaminated areas thoroughly.
Dispose of the material collected according to regulations.

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Flush rests with sufficient amount of water.

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7 Handling and storage

- **Handling:**
- **Information for safe handling:**
 - Keep receptacles tightly sealed.
 - Prevent formation of aerosols.
 - Ensure good ventilation/exhaustion at the workplace.
 - See item 8 for information about suitable protective equipment and technical precautions.
 - Respect the protection rules.
 - Avoid contact with skin and eyes.
- **Information about fire - and explosion protection:** No special measures required.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
 - Store only in the original receptacle.
 - Unsuitable material for receptacles and pipes:
 - iron and ferrous metals
 - Aluminium
 - Suitable material for receptacles and pipes:
 - Polyethylene
 - Stainless steel
 - Drip pan to be provided.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
 - Store receptacle in a well ventilated area.
 - Keep container tightly sealed.
 - Store in a cool place.
 - Protect from frost.
 - Protect from heat and direct sunlight.
- **Storage class:** 12

8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Ingredients with limit values that require monitoring at the workplace:**
 - The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists valid during the making were used as basis.
- **Personal protective equipment:**
- **General protective and hygienic measures:**
 - Avoid contact with the eyes and skin.
 - Immediately remove all soiled and contaminated clothing
 - Do not inhale aerosols.
 - Do not eat, drink, smoke or sniff while working.
- **Respiratory protection:**
 - Use suitable respiratory protective device only when aerosol or mist is formed.
 - Combination filter A/P
- **Protection of hands:** Protective gloves

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- **Material of gloves**
suitable material e.g.:
Nitrile impregnated cotton-gloves
Neoprene gloves
Recommended thickness of the material: ≥ 0.5 mm
Butyl rubber, BR
Recommended thickness of the material: ≥ 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.
- **Penetration time of glove material**
Value for the permeation: Level ≥ 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.
- **Eye protection:** Safety glasses
- **Body protection:** Protective work clothing

9 Physical and chemical properties

· General Information	
· Form:	Pasty
· Colour:	White
· Odour:	Characteristic
· Change in condition	
· Melting point/Melting range:	Undetermined.
· Boiling point/Boiling range:	~ 100°C
· Flash point:	Not applicable.
· Self-igniting:	Product is not selfigniting.
· Danger of explosion:	Product does not present an explosion hazard.
· Explosion limits:	
· Oxidizing properties	Not applicable.
· Vapour pressure:	Not determined
· Density at 20°C:	~ 1.1 * g/cm ³
· Vapour density	non-applicable
· Evaporation rate	non-applicable
· Solubility in / Miscibility with water:	miscible
· pH-value:	Not determined
· Segregation coefficient (n-octanol/water): non-applicable	
· Viscosity:	
· Dynamic at 20°C:	550 - 1100 * mPas

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- **Additional information:** Product sprays when boiling
* The values are for freshly produced material and may change with the time.

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **Materials to be avoided:**
- **Dangerous reactions** No dangerous reactions known.
- **Dangerous decomposition products:**
No hazardous decomposition products if stored and handled as prescribed.
At high temperature formation of flammable and harmful products.
In case of fire, the following can be released:
carbon oxide (COx)
silicon dioxid (SiO₂)
acrylic monomers

11 Toxicological information

- **Acute toxicity:**
- **LD/LC50 values relevant for classification:** Not determined
- **Primary irritant effect:**
- **on the skin:** Frequent persistent contact with the skin may cause skin irritation.
- **on the eye:** In case of longer exposure, irritating effect is possible.
- **Other information (about experimental toxicology):**
Experimental analysis are not available.
- **Additional toxicological information:**
The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:
Irritant
- **Sensitisation** May cause sensitisation by skin contact.

12 Ecological information

- **Information about elimination (persistence and degradability):**
- **Other information:**
Elimination in biological waste water treatment plants is effected by flocculation, precipitation and adsorption on sewage sludge.
- **Ecotoxicological effects:**
- **Other information:** Pretreat waste water with help of precipitation.
- **Additional ecological information:**
- **AOX-indication:** The product has no influence on the AOX of the waste water.
- **According to the formulation contains the following heavy metals and compounds from the EU guideline NO. 76/464 EC:**
According to our current data base the product does not consist of any heavy metals or substances of EU-directives 76/464/EWG.

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· **General notes:**

At present there are no ecotoxicological assessments.

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

13 Disposal considerations

· **Product:**

· **Recommendation** Disposal must be made according to official regulations.

· **European waste catalogue**

08 01 11*	waste paint and varnish containing organic solvents or other dangerous substances
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· **Uncleaned packaging:**

· **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

· **Land transport ADR/RID (cross-border)**

· **ADR/RID class:** -

· **Maritime transport IMDG:**

· **IMDG Class:** -

· **Air transport ICAO-TI and IATA-DGR:**

· **ICAO/IATA Class:** -

· **Transport/Additional information:**

No dangerous good in sense of these transport regulations.

15 Regulatory information

· **Labelling according to EU guidelines:**

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

· **Code letter and hazard designation of product:**

Xi Irritant

· **Hazard-determining components of labelling:**

mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2Hisothiazol-3-one [EC no. 220-239-6] (3:1) mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-4-isothiazolin-3-one [EC no. 220-239-6] (3:1)

· **Risk phrases:**

43 May cause sensitisation by skin contact.

· **Safety phrases:**

2 Keep out of the reach of children.

24 Avoid contact with skin.

37 Wear suitable gloves.

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46 If swallowed, seek medical advice immediately and show this container or label. (Contd. of page 6)

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 R-phrases**

23/24/25 Toxic by inhalation, in contact with skin and if swallowed.

34 Causes burns.

36/38 Irritating to eyes and skin.

43 May cause sensitisation by skin contact.

50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

• **Department issuing MSDS:** Product safety department

• **Contact:** Mrs. Popescu

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- **Application of the substance / the preparation** Insulating material
- **Manufacturer/Supplier:**
 KEIM MINERAL PAINTS LTD
 Santok Building
 Deer Park Way
 Donnington Wood
 Telford
 Shropshire
 TF2 7NA
 United Kingdom
 Tel: +44 1952 231250
 Fax: +44 1952 231251
 Url: <http://www.keimpaints.co.uk>
- **Further information obtainable from:**
 David Pratt
 Telefon: +44 1952 231250
 E-Mail: sales@keimpaints.co.uk
- **Information in case of emergency:**
 GBK Gefahrgut Büro GmbH
 Emergency number: +49(0)6132/84463

2 Hazards identification

- **Hazard description:**
Xn Harmful
- **Information concerning particular hazards for human and environment:**
 R 22 Harmful if swallowed.
 R 41 Risk of serious damage to eyes.
- **Classification system:**
 The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

3 Composition/information on ingredients

- **Chemical characterization**
- **Description:** Mixture of substances listed below with nonhazardous additions.

- **Dangerous components:**

CAS: 7722-84-1	Hydrogen peroxide	C, Xn, O; R 5-8-20/22-35	10-25%
EINECS: 231-765-0			

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

4 First aid measures

- **General information:**
 Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

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- When seeing the doctor we suggest to present this safety data sheet.
- **After inhalation:**
Supply fresh air; consult doctor in case of complaints.
In case of unconsciousness place patient stably in side position for transportation.
 - **After skin contact:**
Immediately rinse with water.
If skin irritation continues, consult a doctor.
 - **After eye contact:**
Rinse opened eye for several minutes under running water.
Call a doctor immediately.
 - **After swallowing:**
Rinse out mouth and then drink plenty of water.
Do not induce vomiting; call for medical help immediately.

5 Fire-fighting measures

- **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
Use fire extinguishing methods suitable to surrounding conditions.
- **Protective equipment:** Wear self-contained respiratory protective device.
- **Additional information**
Cool endangered receptacles with water spray.
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.
In case of fire do not breath smoke, fumes and vapours.

6 Accidental release measures

- **Person-related safety precautions:**
Wear protective equipment. Keep unprotected persons away.
Avoid contact with skin and eyes.
Ensure adequate ventilation
Respect the protection rules (see section 7 a. 8).
- **Measures for environmental protection:**
Do not allow product to reach soil, sewage system or any water course.
Follow local governmental rules and regulations.
- **Measures for cleaning/collecting:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Use neutralizing agent.
Ensure adequate ventilation.
Dispose of the material collected according to regulations.
Clear contaminated areas thoroughly.

7 Handling and storage

- **Handling:**
- **Information for safe handling:**
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.

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- See item 8 for information about suitable protective equipment and technical precautions.
Respect the protection rules.
Keep receptacles tightly sealed.
- **Information about fire - and explosion protection:**
Keep ignition sources away - Do not smoke.
Protect from heat.
 - **Storage:**
 - **Requirements to be met by storerooms and receptacles:**
Store only in the original receptacle.
 - **Information about storage in one common storage facility:**
Store away from flammable substances.
Store away from ferrous- and heavy metal salts.
 - **Further information about storage conditions:**
Keep container tightly sealed.
Protect from heat and direct sunlight.
Store in a cool place.
Protect from frost.
Store receptacle in a well ventilated area.
 - **Storage class:** 5.1

8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.

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

7722-84-1 Hydrogen peroxide

WEL	Short-term value: 2.8 mg/m ³ , 2 ppm Long-term value: 1.4 mg/m ³ , 1 ppm
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- **Additional information:** The lists valid during the making were used as basis.
- **Personal protective equipment:**
- **General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Do not inhale aerosols.
Avoid contact with the eyes and skin.
- **Respiratory protection:**
Use suitable respiratory protective device only when aerosol or mist is formed.
Combination filter NO-P3
- **Protection of hands:** Protective gloves
- **Material of gloves**
suitable material e.g.:
Nitrile impregnated cotton-gloves
Butyl rubber, BR
Recommended thickness of the material: ≥ 0.5 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.
- **Penetration time of glove material**
Value for the permeation: Level ≥ 6 (480 min)

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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.

- **Eye protection:**
Tightly sealed goggles
Face protection
- **Body protection:** Protective work clothing

9 Physical and chemical properties

· General Information

Form:	Fluid
Colour:	Yellow
Odour:	Characteristic

· Change in condition

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	> 80°C

· **Flash point:** Not applicable.

· **Self-igniting:** Product is not selfigniting.

· **Danger of explosion:** Product does not present an explosion hazard.

· **Vapour pressure:** Not determined

· Density at 20°C:	~ 1 * g/cm ³
· Vapour density	Not applicable
· Evaporation rate	Not applicable

· **Solubility in / Miscibility with water:** Fully miscible.

· **pH-value at 20°C:** ~ 2 *

· **Segregation coefficient (n-octanol/water):** Not applicable

· **Viscosity:**
Dynamic: Not determined

· **Additional information:** * The values are for freshly produced material and may change with the time.

10 Stability and reactivity

· **Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

· **Materials to be avoided:**

flammable substances
Ferrous- and heavy metal salts

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- **Dangerous decomposition products:**
No hazardous decomposition products if stored and handled as prescribed.

11 Toxicological information

- **Acute toxicity:**
- **LD/LC50 values relevant for classification:** Not determined
- **Primary irritant effect:**
- **on the skin:** Frequent persistent contact with the skin may cause skin irritation.
- **on the eye:**
Irritating effect.
Risk of serious damage to eyes.
- **during swallowing:** harmful
- **Sensitization:** No sensitizing effects known.
- **Other information (about experimental toxicology):**
Experimental analysis are not available.
- **Additional toxicological information:**
The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:
Harmful
Irritant

12 Ecological information

- **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. 76/464 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 undiluted product or large quantities of it to reach ground water, water course or sewage system.
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

13 Disposal considerations

- **Product:**
- **Recommendation** Disposal must be made according to official regulations.

- **European waste catalogue**

07 07 99	wastes not otherwise specified
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- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

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- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

14 Transport information

- **Land transport ADR/RID (cross-border)**



- **ADR/RID class:** 5.1 Oxidising substances.
- **Danger code (Kemler):** 50
- **UN-Number:** 2984
- **Packaging group:** III
- **Hazard label:** 5.1
- **Description of goods:** 2984 HYDROGEN PEROXIDE, AQUEOUS SOLUTION
- **Limited quantities (LQ)** LQ13
- **Transport category** 3
- **Tunnel restriction code** E

- **Maritime transport IMDG:**



- **IMDG Class:** 5.1
- **UN Number:** 2984
- **Label** 5.1
- **Packaging group:** III
- **EMS Number:** F-H,S-Q
- **Marine pollutant:** NO
- **Proper shipping name:** HYDROGEN PEROXIDE, AQUEOUS SOLUTION

- **Air transport ICAO-TI and IATA-DGR:**



- **ICAO/IATA Class:** 5.1
- **UN/ID Number:** 2984
- **Label** 5.1
- **Packaging group:** III
- **Proper shipping name:** HYDROGEN PEROXIDE, AQUEOUS SOLUTION

15 Regulatory information

- **Labelling according to EU guidelines:**

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

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- **Code letter and hazard designation of product:**
Xn Harmful
- **Hazard-determining components of labelling:**
Hydrogen peroxide
- **Risk phrases:**
22 Harmful if swallowed.
41 Risk of serious damage to eyes.
- **Safety phrases:**
2 Keep out of the reach of children.
17 Keep away from combustible material.
23 Do not breathe aerosol.
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
46 If swallowed, seek medical advice immediately and show this container or label.
51 Use only in well-ventilated areas.

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 R-phrases**
20/22 Harmful by inhalation and if swallowed.
35 Causes severe burns.
5 Heating may cause an explosion.
8 Contact with combustible material may cause fire.
- **Department issuing MSDS:** Product safety department
- **Contact:** Mrs. Popescu

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