



Safety Data Sheet Issue 07/01

Trade Name: **KEIM ROYALAN**

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Trade name: KEIM ROYALAN

Mineral silicate paint system for use on exterior mineral surfaces. Offers water repellence, vapour permeability and forms a chemical crystalline bond with the substrate. Keim Royalan is made using pure inorganic mineral fillers, earth oxide colour pigments and potassium silicate binder.

Manufacturer/importer/distributor:

Keim Mineral Paints Ltd
Muckley Cross
Morville
Nr. Bridgnorth
Shropshire
WV16 4RR

Tel: 01746 714543
Fax: 01746 714526

2. COMPOSITION/INFORMATION ON INGREDIENTS:

Pure mineral fillers, light-fast inorganic pigments, potassium silicate binder. Contains no substances that are detrimental to health according to EU guidelines 67/548/EWG

3. HAZARDS IDENTIFICATION

Non-hazardous according to EU Guidelines 88/379/EWG

4. FIRST AID MEASURES

General information:

Skin contact: Wash skin thoroughly with soap and water.

Eye contact: Rinse opened eye for several minutes under running water or with eyewash. Remove any contact lenses. If irritation persists seek medical attention.

Ingestion: Rinse out mouth immediately, drink plenty of water and seek medical advice.





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5. FIRE-FIGHTING MEASURES

Non-flammable

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: See section 8

Environmental precautions: Avoid contamination of sewage systems, watercourses or the environment.

Methods for cleaning up: Small quantities should be removed to waste dumps. Large quantities to be neutralised and removed. Clean with water, not with solvent.

7. HANDLING AND STORAGE

Handling: Avoid contact with skin and eyes. See item 8 for information about suitable protective equipment and technical precautions. Close containers tightly after use.

Storage: Further information about storage:

Store in tightly closed containers, free from frost. Keep away from food, drink and animal feeding stuffs. Protect against heat or direct sunlight

Avoid contamination with incompatible materials. Reaction with acids: evolution of heat and CO₂ formation. Exothermic reaction with metals, e.g. aluminium and zinc, H₂ produced.

Store according to local and/or national regulation.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

The product contains no materials that are workplace related, which require special supervision.

Additional information about design of technical systems:

Control methods: Do not open quickly.

Personal protection:-

Eye protection: Avoid direct contact with eyes, wear protective goggles.

Body Protection: After contact with skin wash thoroughly with water





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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Paste like liquid
Colour:	To match swatch
Odour:	slight ammonia
pH:	11.5
Boiling point:	-
Melting point:	-
Flash point:	N/A
Flammability:	N/A
Auto-flammability:	-
Explosive properties:	-
Oxidising properties:	-
Vapour pressure:	2kPa (20°C)
Relative density:	1.45 g/cm ³
Solubility:	Readily soluble in water
Partition coefficient:	-
Other data:	-

10. STABILITY AND REACTIVITY

Conditions to avoid: Store as recommended within storage and handling guidelines (section 7)

Materials to avoid: Keep away from strong acid materials as oxidation may occur. Reaction with acids: evolution of heat and CO₂ formation. Exothermic reaction with metals, e.g. aluminium and zinc, H₂ produced.

Hazardous decomposition products: None

11. TOXICOLOGICAL INFORMATION

OECD Test after 4 hours the product does not cause irritation to skin and is not detrimental to one's health.

12. ECOLOGICAL INFORMATION

No negative effects are known.



