



Trade Name: **KEIM MX GLAZE COLOUR (RESIN)**

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Trade name: KEIM MX GLAZE COLOUR (RESIN)

Keim MX Glaze Colour is an engineered siloxane coating (resin component).

Supplier/distributor:

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

Tel: 01746 714543
Fax: 01746 714526

2. COMPOSITION/INFORMATION ON INGREDIENTS:

Substances presenting a health or environmental hazard within the meaning of the Dangerous Substances Directive 67/548/EEC.

Chemical name*	CAS no.	%	Classification
Silicon resin		30-60	Xn; R22
Hydrogenated Epoxy Resin	30583-72-3	10-30	R34 N: R51/53
1,2,2,6,6-Pentamethylpiperidine - derivate		0.5-1	R43

See section 16 for the full text of the R Phrases declared above

*Occupational Exposure Limit(s), if available, are listed in Section 8

3. HAZARDS IDENTIFICATION

The preparation is classified as dangerous according to Directive 1999/45/EC and its amendments.

Physical/chemical hazards : Not applicable
Human health hazards : Harmful if swallowed, may cause sensitisation by skin contact
Environmental hazards : Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment

The preparation may be a skin sensitiser. It may also be a skin irritant and repeated contact may increase this effect.





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4. FIRST AID MEASURES

General information:

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person

Inhalation: Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Give nothing by mouth. If unconscious place in recovery position and seek medical advice.

Skin contact: Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognised skin cleanser. DO NOT use solvents or thinners.

Eye contact: Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open.

Ingestion: If swallowed, seek medical advice immediately and show the container or label. Keep person warm and at rest. Do not induce vomiting.

5. FIRE-FIGHTING MEASURES

Extinguishing media: Recommended: alcohol resistant foam, CO₂, powders, water spray.
Not to be used: waterjet

Recommendations: Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard. Appropriate breathing apparatus may be required. Cool closed containers exposed to fire with water. Do not release runoff from fire to sewers or waterways.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Exclude sources of ignition and ventilate the area. Avoid breathing vapour or mist. Refer to protective measures listed in sections 7 and 8.

Spill: Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13). Do not allow to enter drains or watercourses. Clean preferably with a detergent; avoid use of solvents. If the product contaminates lakes, rivers or sewage, inform appropriate authorities in accordance with local regulations.

Note: See sections 8 for personal protective equipment and section 13 for waste disposal.





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7. HANDLING AND STORAGE

Handling: Keep container tightly closed. Keep away from heat, sparks and flame. No sparking tools should be used.
 Avoid contact with skin and eyes. Avoid the inhalation of dust, particles and spray mist arising from the application of this preparation. Avoid inhalation of dust from sanding.
 Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking.
 Put on appropriate personal protective equipment (see Section 8).
 Never use pressure to empty : container is not a pressure vessel. Always keep in containers of same material as the original one.
 Comply with health and safety at works laws.

Storage: Store in accordance with local regulations. Observe label precautions. Store in a cool, well-ventilated area away from incompatible materials and ignition sources.
 Keep away from: OXIDISING AGENTS, strong alkalis, strong acids.
 No smoking. Prevent unauthorised access. Containers which are opened must be carefully released and kept upright to prevent leakage.
 Do not empty into drains.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering measures:

Provide adequate ventilation. Where reasonably practical this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Ingredient name	Occupational exposure limit
Silicone resin	not available
Hydrogenated Epoxy Resin	not available
1,2,2,6,6-Pentamethylpiperidine - derivate	not available

Personal Protective Equipment

Respiratory system If workers are exposed to concentrations above the exposure limit they must use appropriate, certified respirators.

Skin and Body Personnel should wear anti-static clothing made of natural fibre or of high temperature resistant synthetic fibre.

Hands For prolonged or repeated handling, use gloves: nitrile.
 Barrier creams may help to protect the exposed areas of the skin, they should however not be applied once exposure has occurred.

Eyes Use safety eyewear designed to protect against splash of liquids.

Environmental exposure control

Do not allow to enter drains or watercourse





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9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid
Flash point:	Closed cup: 97°C (206.6°F). (Setaflash.)
Viscosity:	10000-25000 mPas (25°C Brookfield LVF)
Specific gravity:	1.484 g/cm ³ (25°C/77°F)
Density:	>1 (Air = 1)
Explosion limits:	LOWER: 2.3% UPPER: 13.7%
Solubility:	Insoluble in cold water, hot water.

10. STABILITY AND REACTIVITY

Stable under recommended storage and handling conditions (see section 7).

Hazardous Decomposition Products: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

Keep away from the following materials in order to avoid strong exothermic reactions: OXIDISING AGENTS, strong alkalis, strong acids.

11. TOXICOLOGICAL INFORMATION

There is no data available on the preparation itself. The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and is classified for eco-toxicological properties accordingly. See sections 2 and 15 for details. See Chapters 2 and 15 for details.

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

Based on the properties of the epoxy constituent(s) and considering toxicological data on similar preparations, this preparation may be skin sensitiser and an irritant. It contains low molecular epoxy constituents which are irritating to eyes, mucous membrane and skin. Repeated skin contact may lead to irritation and to sensitisation, possible with cross-sensitisation to other epoxies. Skin contact with the preparation and exposure to spray mist and vapour should be avoided.

12. ECOLOGICAL INFORMATION

There is no data available on the preparation itself.
Do not allow to enter drains or watercourse.

The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and is not classified as dangerous for the environment.





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13. DISPOSAL CONSIDERATIONS

Do not allow to enter drains or watercourse.

Dispose of according to all federal, state and local applicable regulations.

14. TRANSPORT INFORMATION

ADR/RID Class: -
IMDG Class: -
Marine pollutant: No
ICAO/IATA Classification: -

This preparation is not classified as dangerous according to international transport regulations, (ADR/RID, IMDG, ICAO/IATA).

Packing group: III
ICAO/IATA label:

15. REGULATORY INFORMATION

EU Regulations:

The product is labelled as follows, in accordance with local regulations.

Hazard symbols(s):



Indication danger: Harmful, Dangerous for the environment
Risk phrases:
R22: Harmful if swallowed
R43: May cause sensitisation by skin contact.
R51/53: Toxic to aquatic organisms, may cause long-term effects in the aquatic environment.
Safety Phrases:
S23: Do not breathe gas/fumes/vapour/spray
S24: Avoid contact with skin.
S37: Wear suitable gloves.
S51: Use only in well-ventilated areas.
S57: Use appropriate containment to avoid environmental contamination.
Contains: Hydrogenated Epoxy Resin
Silicon resin
Additional warning phrases: Contains epoxy constituents. See information supplied by the manufacturer. This information is provided by the present Safety Data Sheet.





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16. OTHER INFORMATION

Full text of R-Phrases with no. Appearing in Section 2 - United Kingdom (UK) : R22 Harmful if swallowed
R43 May cause sensitisation by skin contact
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Sources of key data used to compile this data sheet: The information contained in this Safety Data Sheet is intended to assist in use of the above product without the risk to safety or health and is based on current knowledge and experience. The data does not signify any warranty with regard to the product's properties.

