

MATERIAL SAFETY DATA SHEET



ANTI-FREEZE / RAPID SETTER

Issue: 2. Issue Date: 18/04/2005.

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1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY

Product Name. KINGFISHER ANTI-FREEZE / RAPID SETTER.

Supplier. KINGFISHER BUILDING PRODUCTS Ltd.
COOPER LANE.
BARDSEA BUSINESS PARK
ULVERSTON
CUMBRIA.
LA12 9RA.

Telephone: 01229 869100
Fax: 01229 869101
Emergency: As Above

2. COMPOSITION / INFORMATION ON INGREDIENTS.

The Product as supplied is a concentrated blend of aluminium chloride and calcium chloride in an aqueous solution.

Ingredient Name.	CAS.No	Einecs	OEL	Content	Health (Class)	Risk (R No.)
Calcium Chloride.	10043-52-4	233-140-8	10mg/m ³		Xi	R36
Aluminium Chloride.	7446-70-0	231-208-1	2mg/m ³		C	R34

3. HAZARDS IDENTIFICATION

FIRE: - Non flammable. May release hydrogen chloride or chlorine if subjected to high temperatures.

ENVIRONMENT: - N/A

HEALTH Corrosive

Eye Contact: -

Skin Contact: -

Ingestion: -

4. FIRST AID MEASURES.

Eye Contact: - Flush with copious amounts of clean water for 15 minute. Seek medical attention.

Skin Contact: - Wash with water. If irritation persists seek medical attention.

Ingestion:- Drink water or Milk. Where significant amounts are involved seek medical attention.

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5. FIRE FIGHTING MEASURES.

Extinguishing Media: - Use extinguisher for ambient conditions present.

Protective Measures in Fire: - Wear respiratory apparatus if product is subjected to high temperatures.

6. ACCIDENTAL RELEASE MEASURES.

Personal Protection during Spill:- Wear protective gloves, goggles and overalls.

Precautions to Protect Environment:-

Spillage Clean Up Methods:- If local authority regulations permits discharge to drains or waterways, wash product away with water.
Alternatively soak up with sand, earth or other inert substance and dispose of as Section 13

7. HANDLING AND STORAGE.

Usage Precautions:- Corrosive to metals. Do not use in reinforced concrete.

Storage Criteria:- Store in cool, frost free, dry conditions.
Keep out of reach of children.
Do not store in metal containers.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION.

INGREDIENT.	CAS No.	STD OEL(8hr.TWA)	LT EXP (8 Hrs)	ST EXP (15 Min)
Aqueous solution of Calcium Chloride & Aluminium Chloride.	7446-70-0	10mg/m ³ 2mg/m ³		

Personal Protective Equipment: - Wear goggles, impervious gloves and overalls.

Hygienic Work Routines:- Employ good hygienic work practices. Wash hands after handling product.

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9. PHYSICAL AND CHEMICAL PROPERTIES.

Appearance: - Liquid.

Colour:- Blue.

Odour: - Characteristic.

Solubility in Water: - Soluble

Vapour Pressure: - 2.6 K Pa. (Water)

Flash Point: - N/A

Specific Gravity @ 20°C: - 1.25

Boiling Point: - 100°C (Water).

Explosion Limits: - N/A

10. STABILITY AND REACTIVITY

Stability: Product is classified as stable.

Materials to Avoid: Metals. (Can create corrosion)

Conditions to avoid:

11. TOXICOLOGICAL INFORMATION.

Inhalation: N/A

Skin Contact: Frequent contact may cause dermatitis.

Eye Contact: May cause redness and watering

Ingestion: Irritating to mouth and throat. May cause nausea and vomiting.

12. ECOLOGICAL INFORMATION.

Environmental Hazards: None known.

Mobility;

Degradability:

13. DISPOSAL CONSIDERATIONS

Disposal Methods: Dispose of in accordance with local waste regulations

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14. TRANSPORT INFORMATION

Label for Conveyance. N/R.

C.A.S.Number.

UN No.

E.M.S.

I.M.D.G.

M.F.A.G.

ICAO/ IATA.

Trans. Cat.

Marine Pollutant.

E.E.C. Number.

A.D.R.

Emergency Action code.

Packaging Number.

15. REGULATORY INFORMATION

Label for Supply:



Irritant Xi

Risk Phrases : R36/38 Irritating to eyes and skin.

Safety Phrases :
S2. Keep out of reach of children
S26. In case of contact with eyes
S28. After contact with skin wash with plenty of water.
S36/37. Wear suitable protective clothing and gloves.

16. OTHER INFORMATION

User Notes : The information given in this document has been compiled on the basis of best available knowledge with the requirements of the Chemical Hazard Information and Packaging regulations 1994(AM1996)

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