



## HEALTH and SAFETY DATA

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### 1. PRODUCT NAME

**Kilfrost CIM**  
(BR Catalogue No. 7/25019)

#### SUPPLIED BY

Kilfrost Limited  
Albion Works  
HALTWHISTLE  
Northumberland  
NE49 0HJ  
ENGLAND

### DESCRIPTION

Solid, general purpose de-icing composition with anti-slip additive.

#### EMERGENCY NUMBERS

Telephone:  
Working Hours:(01434) 320332  
Other Times: (01228) 573614  
FAX: (01434) 321463  
e-mail: info@kilfrost.co.uk

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### 2. COMPOSITION

2.1 Composite mixture of solid low-hazard de-icing chemicals and sand

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### 3. HAZARD IDENTIFICATION

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|-------------------------------|----------------------------------------------------------------------------|
| 3.1 Inhalation/Ingestion      | May cause irritation of the mouth, respiratory and gastrointestinal tract. |
| 3.2 Skin                      | Repeated contact may result in irritation.                                 |
| 3.3 Eyes                      | May cause temporary irritation.                                            |
| 3.4 Workplace Exposure Limits | None assigned for any ingredient.                                          |

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### 4. FIRST AID MEASURES

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|------------------|------------------------------------------------------------------------------------------------------------|
| 4.1 Ingestion    | Rinse out mouth with water. Do not induce vomiting. Obtain medical assistance.                             |
| 4.2 Inhalation   | Remove to fresh air. Obtain medical attention if symptoms persist. If dust swallowed treat as 'Ingestion'. |
| 4.3 Skin contact | Wash off in flowing water or shower. Launder contaminated clothes before re-use.                           |
| 4.4 Eye contact  | Irrigate with water for 10 minutes. Obtain medical assistance if irritation persists.                      |
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## HEALTH and SAFETY DATA

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### 5. FIRE FIGHTING MEASURES

- |     |                                   |                                                                                                                                                                                                       |
|-----|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 5.1 | Flash point                       | Not applicable.                                                                                                                                                                                       |
| 5.2 | Auto ignition temperature         | Not applicable.                                                                                                                                                                                       |
| 5.3 | Specific fire-fighting procedures | Fire fighters should wear self-contained breathing apparatus.                                                                                                                                         |
| 5.4 | Unusual fire hazards              | May decompose on heating, liberating flammable hydrogen gas. Toxic fumes may be formed when heated strongly. If fumes inhaled keep under medical observation for 48 hours as symptoms may be delayed. |
| 5.5 | Extinguishing media               | Water spray (preferred choice) , foam, dry powder, CO <sub>2</sub> .                                                                                                                                  |
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### 6. ACCIDENTAL RELEASE MEASURES

- |     |                |                                                                                                                                                |
|-----|----------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| 6.1 | Small spillage | Wash away with plenty of water.                                                                                                                |
| 6.2 | Large spillage | Contain material & transfer to a container for disposal. Wash area with water. Inform authorities if material entered drains or water courses. |
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### 7. HANDLING AND STORAGE

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|-----|----------------------------------------------------------------------------|
| 7.1 | Hygroscopic. Store in tightly closed container to prevent moisture pickup. |
| 7.2 | Store away from sources of direct heat, oxidising agents and acids.        |
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### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- |     |                                                                          |
|-----|--------------------------------------------------------------------------|
| 8.1 | Eye protection recommended if conditions of use likely to generate dust. |
| 8.2 | Wear gloves when handling the material.                                  |
| 8.3 | Maintain a high standard of personal hygiene.                            |
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## HEALTH and SAFETY DATA

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### 9. PHYSICAL AND CHEMICAL PROPERTIES **Typical Values**

|     |                                    |                 |
|-----|------------------------------------|-----------------|
| 9.1 | Appearance                         | Granular solid. |
| 9.2 | Bulk density (20°C)                | 0.7 – 0.8 Kg/L  |
| 9.3 | Melting Point (°C)                 | >100°C.         |
| 9.4 | Moisture content                   | <1% by weight.  |
| 9.5 | Solubility in water                | 90%.            |
| 9.6 | Freezing Point                     |                 |
|     | 10% by wt. Solution                | -4.5°C          |
|     | 20% by wt. Solution                | -10°C           |
|     | 30% by wt. Solution                | -19°C           |
| 9.7 | pH value (10% solution) (20°C)     | 8.0 ± 0.5       |
| 9.8 | Conductivity (10% solution) (20°C) | 55 ms           |

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### 10. STABILITY AND REACTIVITY

- 10.1 Stable under normal storage conditions.
  - 10.2 Incompatible materials – oxidising agents and acids.
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### 11. TOXICOLOGICAL INFORMATION

- 11.1 LD<sub>50</sub> (rat – oral) > 5g/Kg (calculated)
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### 12. ECOLOGICAL INFORMATION

- 12.1 Readily biodegradable except for sand.
  - 12.2 Chemical Oxygen Demand (COD) 0.3 g/g (estimated)
  - 12.3 Biological Oxygen Demand (BOD<sub>5</sub>) 0.11g/g (estimated)
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### 13. DISPOSAL CONSIDERATION

- 13.1 Landfill in accordance with local, state or national regulations.
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## HEALTH and SAFETY DATA

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### 14. TRANSPORT INFORMATION

14.1 Not restricted under any transport regulations.

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### 15. REGULATORY INFORMATION

15.1 Not classified as hazardous under any regulations.

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### 16. OTHER INFORMATION

16.1 All components are registered in accordance with EINECS AND TSCA.

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**The information contained herein is based on the present state of our knowledge.**

**No responsibility is accepted that the information is sufficient or correct in all cases.**

**Date: 5 February 2004**  
Revalidated October 2006