



# Frost Proofer / Rapid Setter

## Safety Data Sheet

according to Regulation (EC) No. 453/2010

Date of issue: 05/12/2014

Revision date:

:

Version: 2.0

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product form : Mixture  
Name : Frost Proofer / Rapid Setter

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

##### 1.2.1. Relevant identified uses

Intended for general public  
Main use category : Consumer use, Professional use, Industrial use  
Industrial/Professional use spec : Industrial  
Wide dispersive use

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

Kingfisher Building Products  
Cooper Lane  
LA12 9RA Ulverston - UK  
T 01229 869100 - F 01229 869101  
[craig@kingfisheruk.com](mailto:craig@kingfisheruk.com) - [www.kingfisheruk.com](http://www.kingfisheruk.com)

#### 1.4. Emergency telephone number

Emergency number : 01229 869100 (8:00 - 17:00 UK time)

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Skin Corr. 1B H314

Full text of H-phrases: see section 16

##### Classification according to Directive 67/548/EEC or 1999/45/EC

C; R34

Full text of R-phrases: see section 16

##### Adverse physicochemical, human health and environmental effects

No additional information available

#### 2.2. Label elements

##### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS05

Signal word (CLP) : Danger  
Hazardous ingredients : aluminium chloride, anhydrous  
Hazard statements (CLP) : H314 - Causes severe skin burns and eye damage  
Precautionary statements (CLP) : P102 - Keep out of reach of children  
P260 - Do not breathe spray, mist, vapours  
P264 - Wash hands, forearms and face thoroughly after handling  
P280 - Wear protective gloves  
P301 + P330 + P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting  
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower

#### 2.3. Other hazards

No additional information available

# Frost Proofer / Rapid Setter

## Safety Data Sheet

according to Regulation (EC) No. 453/2010

### SECTION 3: Composition/information on ingredients

#### 3.1. Substance

Not applicable

#### 3.2. Mixture

| Name                          | Product identifier  | %       | Classification according to Directive 67/548/EEC |
|-------------------------------|---|---------|--|
| aluminium chloride, anhydrous | (CAS No)7446-70-0<br>(EC no)231-208-1<br>(EC index no)013-003-00-7  | 30 - 60 | C; R34   |
| calcium chloride              | (CAS No)10043-52-4<br>(EC no)233-140-8<br>(EC index no)017-013-00-2 | 15 - 30 | Xi; R36  |

| Name                          | Product identifier  | %       | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|-------------------------------|---|---------|---|
| aluminium chloride, anhydrous | (CAS No)7446-70-0<br>(EC no)231-208-1<br>(EC index no)013-003-00-7  | 30 - 60 | Skin Corr. 1B, H314   |
| calcium chloride              | (CAS No)10043-52-4<br>(EC no)233-140-8<br>(EC index no)017-013-00-2 | 15 - 30 | Eye Irrit. 2, H319  |

Full text of R- and H-phrases: see section 16

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

|                                       |  |
|---------------------------------------|--|
| First-aid measures general            | : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).  |
| First-aid measures after inhalation   | : Remove to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.  |
| First-aid measures after skin contact | : Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a POISON CENTER or doctor/physician.                                 |
| First-aid measures after eye contact  | : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician. |
| First-aid measures after ingestion    | : Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.   |

#### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries : Causes severe skin burns and eye damage.

#### 4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

|                                |  |
|--------------------------------|--|
| Suitable extinguishing media   | : Foam. Dry powder. Carbon dioxide. Water spray. Sand. |
| Unsuitable extinguishing media | : Do not use a heavy water stream.                     |

#### 5.2. Special hazards arising from the substance or mixture

No additional information available

#### 5.3. Advice for firefighters

|                                |   |
|--------------------------------|---|
| Firefighting instructions      | : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment. |
| Protection during firefighting | : Do not enter fire area without proper protective equipment, including respiratory protection.   |

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

##### 6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

##### 6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.  
Emergency procedures : Ventilate area.

# Frost Proofer / Rapid Setter

## Safety Data Sheet

according to Regulation (EC) No. 453/2010

### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Do not breathe dust/fume/gas/mist/vapours/spray.

Hygiene measures : Wash ... thoroughly after handling. Wash contaminated clothing before reuse.

### 7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Comply with applicable regulations.

Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Keep container closed when not in use.

Incompatible products : Strong bases. Strong acids.

Incompatible materials : Sources of ignition. Direct sunlight.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

### 8.2. Exposure controls

Personal protective equipment : Avoid all unnecessary exposure.

Hand protection : Wear protective gloves.

Eye protection : Chemical goggles or face shield.

Skin and body protection : Wear suitable protective clothing.

Respiratory protection : Wear appropriate mask.

Other information : Do not eat, drink or smoke during use.

# Frost Proofer / Rapid Setter

## Safety Data Sheet

according to Regulation (EC) No. 453/2010

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

|  |                     |
|--|---------------------|
| Physical state                             | : Liquid            |
| Colour                                     | : Colourless.       |
| Odour                                      | : characteristic.   |
| Odour threshold                            | : No data available |
| pH   | : No data available |
| Relative evaporation rate (butylacetate=1) | : No data available |
| Melting point                              | : No data available |
| Freezing point                             | : No data available |
| Boiling point                              | : No data available |
| Flash point                                | : No data available |
| Auto-ignition temperature                  | : No data available |
| Decomposition temperature                  | : No data available |
| Flammability (solid, gas)                  | : Non flammable.    |
| Vapour pressure                            | : No data available |
| Relative vapour density at 20 °C           | : No data available |
| Relative density                           | : No data available |
| Solubility                                 | : No data available |
| Log Pow                                    | : No data available |
| Viscosity, kinematic                       | : No data available |
| Viscosity, dynamic                         | : No data available |
| Explosive properties                       | : No data available |
| Oxidising properties                       | : No data available |
| Explosive limits                           | : No data available |

#### 9.2. Other information

No additional information available

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Thermal decomposition generates : Corrosive vapours.

#### 10.2. Chemical stability

Not established.

#### 10.3. Possibility of hazardous reactions

Not established.

#### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

#### 10.5. Incompatible materials

Strong acids. Strong bases.

#### 10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide. Thermal decomposition generates : Corrosive vapours.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

|                                   |  |
|-----------------------------------|--|
| Acute toxicity                    | : Not classified   |
| Skin corrosion/irritation         | : Causes severe skin burns and eye damage.   |
| Serious eye damage/irritation     | : Serious eye damage, category 1, implicit   |
| Respiratory or skin sensitisation | : Not classified<br>Based on available data, the classification criteria are not met |
| Germ cell mutagenicity            | : Not classified<br>Based on available data, the classification criteria are not met |
| Carcinogenicity                   | : Not classified<br>Based on available data, the classification criteria are not met |
| Reproductive toxicity             | : Not classified<br>Based on available data, the classification criteria are not met |

# Frost Proofer / Rapid Setter

## Safety Data Sheet

according to Regulation (EC) No. 453/2010

|   |  |
|---|--|
| Specific target organ toxicity (single exposure)    | : Not classified<br>Based on available data, the classification criteria are not met |
| Specific target organ toxicity (repeated exposure)  | : Not classified<br>Based on available data, the classification criteria are not met |
| Aspiration hazard                                   | : Not classified<br>Based on available data, the classification criteria are not met |
| Potential Adverse human health effects and symptoms | : Based on available data, the classification criteria are not met.                  |

### SECTION 12: Ecological information

#### 12.1. Toxicity

No additional information available

#### 12.2. Persistence and degradability

##### Frost Proofer / Rapid Setter

|                               |                  |
|-------------------------------|------------------|
| Persistence and degradability | Not established. |
|-------------------------------|------------------|

#### 12.3. Bioaccumulative potential

##### Frost Proofer / Rapid Setter

|                           |                  |
|---------------------------|------------------|
| Bioaccumulative potential | Not established. |
|---------------------------|------------------|

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Results of PBT and vPvB assessment

No additional information available

#### 12.6. Other adverse effects

: Avoid release to the environment

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to ...

Ecology - waste materials : Avoid release to the environment.

### SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

#### 14.1. UN number

|               |        |
|---------------|--------|
| UN-No. (ADR)  | : 1263 |
| UN-No. (IMDG) | : 1263 |
| UN-No.(IATA)  | : 1263 |
| UN-No.(ADN)   | : 1263 |
| UN-No. (RID)  | : 1263 |

#### 14.2. UN proper shipping name

|                             |         |
|-----------------------------|---------|
| Proper Shipping Name (ADR)  | : PAINT |
| Proper Shipping Name (IMDG) | : PAINT |
| Proper Shipping Name (IATA) | : PAINT |
| Proper Shipping Name (ADN)  | : PAINT |
| Proper Shipping Name (RID)  | : PAINT |

# Frost Proofer / Rapid Setter

## Safety Data Sheet

according to Regulation (EC) No. 453/2010

### 14.3. Transport hazard class(es)

#### ADR

Transport hazard class(es) (ADR) : 3  
Hazard labels (ADR) : 3



#### IMDG

Transport hazard class(es) (IMDG) : 3  
Danger labels (IMDG) : 3



#### IATA

Transport hazard class(es) (IATA) : 3  
Hazard labels (IATA) : 3



#### ADN

Transport hazard class(es) (ADN) : 3  
Danger labels (ADN) : 3



#### RID

Transport hazard class(es) (RID) : 3  
Danger labels (RID) : 3



### 14.4. Packing group

Packing group (ADR) : III  
Packing group (IMDG) : III  
Packing group (IATA) : III  
Packing group (ADN) : III  
Packing group (RID) : III

### 14.5. Environmental hazards

Dangerous for the environment : No  
Marine pollutant : No  
Other information : No supplementary information available

# Frost Proofer / Rapid Setter

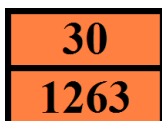
## Safety Data Sheet

according to Regulation (EC) No. 453/2010

### 14.6. Special precautions for user

#### 14.6.1. Overland transport

|   |                           |
|---|---------------------------|
| Classification code (ADR)                                       | : F1                      |
| Special provision (ADR)   | : 163, 640E, 650          |
| Limited quantities (ADR)  | : 5L                      |
| Excepted quantities (ADR)                                       | : E1                      |
| Packing instructions (ADR)                                      | : P001, IBC03, LP01, R001 |
| Special packing provisions (ADR)                                | : PP1                     |
| Mixed packing provisions (ADR)                                  | : MP19                    |
| Mixed Portable tank and bulk container instructions (ADR)       | : T2                      |
| Mixed Portable tank and bulk container special provisions (ADR) | : TP1, TP29               |
| ADR tank codes (ADR)  | : LGBF                    |
| Vehicle for tank carriage                                       | : FL                      |
| Transport category (ADR)  | : 3                       |
| Special provisions for carriage - Packages (ADR)                | : V12                     |
| Special provisions for carriage - Operation (ADR)               | : S2                      |
| Hazard identification number (Kemler No.)                       | : 30                      |
| Orange plates   | :                         |



|                               |        |
|-------------------------------|--------|
| Tunnel restriction code (ADR) | : D/E  |
| EAC code                      | : •3YE |

#### 14.6.2. Transport by sea

|                                    |  |
|------------------------------------|--|
| Special provision (IMDG)           | : 163, 223, 955  |
| Limited quantities (IMDG)          | : 5 L  |
| Excepted quantities (IMDG)         | : E1   |
| Packing instructions (IMDG)        | : P001, LP01   |
| Packing provisions (IMDG)          | : PP1  |
| IBC packing instructions (IMDG)    | : IBC03  |
| Tank instructions (IMDG)           | : T2   |
| Tank special provisions (IMDG)     | : TP1, TP29  |
| Stowage category (IMDG)            | : A  |
| Properties and observations (IMDG) | : Miscibility with water depends upon the composition. |

#### 14.6.3. Air transport

|  |           |
|--|-----------|
| PCA Excepted quantities (IATA)               | : E1      |
| PCA Limited quantities (IATA)                | : Y344    |
| PCA limited quantity max net quantity (IATA) | : 10L     |
| PCA packing instructions (IATA)              | : 355     |
| PCA max net quantity (IATA)                  | : 60L     |
| CAO packing instructions (IATA)              | : 366     |
| CAO max net quantity (IATA)                  | : 220L    |
| Special provision (IATA)                     | : A3, A72 |
| ERG code (IATA)                              | : 3L      |

# Frost Proofer / Rapid Setter

## Safety Data Sheet

according to Regulation (EC) No. 453/2010

### 14.6.4. Inland waterway transport

|                                   |                |
|-----------------------------------|----------------|
| Classification code (ADN)         | : F1           |
| Special provisions (ADN)          | : 163, 64E, 65 |
| Limited quantities (ADN)          | : 5 L          |
| Excepted quantities (ADN)         | : E1           |
| Equipment required (ADN)          | : PP, EX, A    |
| Ventilation (ADN)                 | : VE01         |
| Number of blue cones/lights (ADN) | : 0            |
| Not subjected to ADN              | : No           |

### 14.6.5. Rail transport

|   |                           |
|---|---------------------------|
| Special provision (RID)                                   | : 163, 640E, 650          |
| Limited quantities (RID)                                  | : 5L                      |
| Excepted quantities (RID)                                 | : E1                      |
| Packing instructions (RID)                                | : P001, IBC03, LP01, R001 |
| Special packing provisions (RID)                          | : PP1                     |
| Mixed packing provisions (RID)                            | : MP19                    |
| Portable tank and bulk container instructions (RID)       | : T2                      |
| Portable tank and bulk container special provisions (RID) | : TP1, TP29               |
| Tank codes for RID tanks (RID)                            | : LGBF                    |
| Transport category (RID)                                  | : 3                       |
| Special provisions for carriage – Packages (RID)          | : W12                     |
| Colis express (express parcels) (RID)                     | : CE4                     |
| Hazard identification number (RID)                        | : 30                      |
| Carriage prohibited (RID)                                 | : No                      |

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### 15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no REACH candidate substance

#### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information : None.

Full text of R-, H- and EUH-phrases:

|               |   |
|---------------|---|
| Eye Irrit. 2  | Serious eye damage/eye irritation, Category 2 |
| Skin Corr. 1B | Skin corrosion/irritation, Category 1B        |
| H314          | Causes severe skin burns and eye damage       |
| H319          | Causes serious eye irritation                 |
| R34           | Causes burns                                  |
| R36           | Irritating to eyes                            |
| C             | Corrosive                                     |
| Xi            | Irritant                                      |



# Frost Proofer / Rapid Setter

## Safety Data Sheet

according to Regulation (EC) No. 453/2010

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SDS EU (REACH Annex II)

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*