

J-SYSTEM 31

Self Levelling Compound



Material Safety Data Sheet



1. Identification of the Substance or Mixture and of the Supplier

| | |
|---|---|
| Trade name: | J-System 31 Self Levelling Compound |
| Relevant identified uses of the substance or mixture and uses advised against | No special requirements. |
| Application of the substance / the mixture | Self-levelling compound |
| Manufacturer/Supplier | Jacobsen Flooring 41 D Morrin Road, St Johns Auckland 1072 New Zealand Phone: (09) 574 0640 |
| Further information obtainable from | See Manufacturer/Supplier |
| Emergency telephone number | Poison Information Service: New Zealand: 0800 POISON (0800 764 766) |

2. Hazards Identification

| | |
|---|--|
| Classification of the substance or mixture | |
|  | Corrosion |
| | Eye Dam. 1 H318 Causes serious eye damage. |
| Label elements | |
| GHS label elements | The product is classified and labelled according to the Globally Harmonised System (GHS). |
| Hazard pictograms | |
|  | GHS05 |
| Signal word | Danger |
| Hazard-determining components of labelling | Portland cement |
| Hazard statements | Causes serious eye damage. |
| Precautionary statements | Keep out of reach of children. Avoid breathing dust. Wear protective gloves / eye protection. IF ON SKIN: Wash with plenty of soap and water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. |
| Additional information | Low in Chromate (< 2 ppm) acc. Regulation (EC) No 1907/2006 (REACH, annex XVII, 47). |
| Other hazards | |
| Results of PBT and vPvB assessment: | |
| PBT | Not applicable |
| vPvB | Not applicable |


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3. Composition/Information on Ingredients

| | |
|---|--|
| Chemical characterisation: | Mixtures |
| Description | Mixture of substances listed below with nonhazardous additions. |
| Dangerous components | |
| CAS: 14808-60-7 EINECS: 238-878-4 | Quartz (SiO ₂) 25-50% |
| CAS: 65997-15-1 EINECS: 266-043-4 | Portland cement |
|  | Eye Dam. 1, H318; Skin Irrit. 2, H315; STOT SE 3, H335 5-<10% |
| Additional information | The amount of respirable crystalline silica is less than 0.1 %. For the wording of the listed hazard phrases refer to section 16. |

4. First Aid Measures

| | |
|--|--|
| Description of first aid measures | |
| General information | No special measures required. |
| After inhalation | Supply fresh air; consult doctor in case of complaints. |
| After skin contact | Immediately wash with water and soap and rinse thoroughly. |
| After eye contact | Rinse opened eye for several minutes under running water. Then consult a doctor. |
| After swallowing | Do not induce vomiting; call for medical help immediately. |
| Information for doctor | |
| Most important symptoms and effects, both acute and delayed | No further relevant information available. |
| Indication of any immediate medical attention and special treatment needed | No further relevant information available. |

5. Fire Fighting Measures

| | |
|---|---|
| Extinguishing media | |
| Suitable extinguishing agents | CO ₂ , powder or water spray. Fight larger fires with water spray or alcohol resistant foam. |
| For safety reasons unsuitable extinguishing agents | Water with full jet |
| Special hazards arising from the substance or mixture | No further relevant information available |
| Advice for firefighters | |
| Protective equipment | Wear dust mask |

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6. Accidental Release Measures

| | |
|---|---|
| Personal precautions, protective equipment and emergency procedures | Wear dust mask |
| Environmental precautions | Do not allow to enter sewers/ surface or ground water |
| Methods and material for containment and cleaning up | Pick up mechanically |
| Reference to other sections | No dangerous substances are released. See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information. |

7. Handling and Storage

| | |
|--|---|
| Handling | |
| Precautions for safe handling | Prevent formation of dust. Wear suitable protective clothing, gloves and eye/face protection. Avoid contact with the eyes and skin. Keep away from foodstuffs, beverages and feed. Wash hands before breaks and at the end of work. |
| Information about fire - and explosion protection | No special measures required |
| Conditions for safe storage, including any incompatibilities | |
| Storage | |
| Requirements to be met by storerooms and receptacles | No special measures required |
| Information about storage in one common storage facility | No special measures required |
| Further information about storage conditions | Store in dry conditions |
| Specific end use(s) | No further relevant information available. |

8. Exposure Controls/Personal Protection

| | |
|--|--|
| Additional information about design of technical facilities | No further data; see item 7 |
| Control parameters | |
| Ingredients with limit values that require monitoring at the workplace | |
| CAS: 14808-60-7 Quartz (SiO ₂) | |
| WES (New Zealand) BOELV (EU) | Long-term value: 0.2 mg/m ³ confirmed carcinogen; respirable dust Long-term value: 0.1* mg/m ³ *respirable fraction |
| CAS: 65997-15-1 Portland cement | |
| WES (New Zealand) | Long-term value: 3.1* mg/m ³ dsen, *respirable dust |

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Exposure controls

Personal protective equipment

General protective and hygienic measures

Prevent formation of dust.
 Avoid contact with the eyes and skin.
 Wear suitable protective clothing, gloves and eye/face protection.
 Keep away from foodstuffs, beverages and feed.
 Wash hands before breaks and at the end of work.

Respiratory protection

Not required.
 When mixing wear suitable dust-mask.

Protection of hands



Use nitrile impregnated cotton-gloves (EN 374)

Material of gloves

Nitrile impregnated cotton-gloves

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection



Safety glasses (EN 166)

9. Physical and Chemical Properties

Information on basic physical and chemical properties

General Information

Appearance

Form Solid

Colour Grey

Odour Light

Odour threshold Not determined

pH-value at 20 °C ~11

Change in condition

Melting point/freezing point Undetermined

Initial boiling point and boiling range Undetermined

Flash point Not applicable.

Flammability (solid, gas) Not applicable

Decomposition temperature Not determined

Auto-ignition temperature Product is not selfigniting

Explosive properties Product does not present an explosion hazard

Explosion limits

Lower Not determined

Upper Not determined

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| | |
|--|--|
| Vapour pressure | Not applicable |
| Density | Not determined |
| Relative density | Not determined |
| Vapour density | Not applicable |
| Evaporation rate | Not determined |
| Solubility in / Miscibility with water | Insoluble Sets with water |
| Partition coefficient: n-octanol/water | Not determined |
| Viscosity | |
| Dynamic | Not applicable |
| Kinematic | Not applicable |
| Solids content | 100.0 % |
| Other information | No further relevant information available. |

10. Stability and Reactivity

| | |
|--|---|
| Reactivity | No further relevant information available. |
| Chemical stability | |
| Thermal decomposition / conditions to be avoided | No decomposition if used according to specifications. |
| Possibility of hazardous reactions | No dangerous reactions known. |
| Conditions to avoid | No further relevant information available. |
| Incompatible materials | No further relevant information available. |
| Hazardous decomposition products | No dangerous decomposition products known. |

11. Toxicological Information

| | |
|--------------------------------------|---|
| Information on toxicological effects | |
| Acute toxicity | |
| Primary irritant effect | |
| Skin corrosion/irritation | Slightly irritant effect may occur. |
| Serious eye damage/irritation | Strong irritant with the danger of severe eye injury. |
| Respiratory or skin sensitisation | No sensitising effects known. Low in Chromate (< 2 ppm) acc. Regulation (EC) No 1907/2006 (REACH, annex XVII, 47). |

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12. Ecological Information

| | |
|--|--|
| Toxicity | |
| Aquatic toxicity | No further relevant information available. |
| Persistence and degradability | |
| No further relevant information available. | |
| Behaviour in environmental systems | |
| Bioaccumulative potential | No further relevant information available. |
| Mobility in soil | No further relevant information available. |
| Additional ecological information | |
| General notes | Do not allow product to reach ground water, water course or sewage system. |
| Results of PBT and vPvB assessment | |
| PBT | Not applicable. |
| vPvB | Not applicable. |
| Other adverse effects | No further relevant information available. |

13. Disposal Considerations

| | |
|--------------------------------|--|
| Waste treatment methods | |
| Recommendation | Do not allow product to reach sewage system. Mix product residues with water, allow to harden, then dispose of as construction waste. |
| Uncleaned packaging | |
| Recommendation | Empty paper packaging is recyclable. |

14. Transport Information

| | |
|---|--|
| UN-Number ADR, ADN, IMDG, IATA | Void |
| UN proper shipping name ADR, ADN, IMDG, IATA | Void |
| Transport hazard class(es) ADR, ADN, IMDG, IATA Class | Void |
| Packing group ADR, IMDG, IATA | Void |
| Environmental hazards | Not applicable |
| Special precautions for user | Not applicable |
| Transport in bulk according to Annex II of Marpol and the IBC Code | Not applicable. |
| Transport/Additional information | Not dangerous according to the above specifications. |
| UN "Model Regulation" | Void |

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15. Regulatory Information

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

New Zealand Inventory of Chemicals All ingredients are listed.

HSNO Approval numbers CAS: 14808-60-7 Quartz (SiO₂) HSR003125
Directive 2012/18/EU

Named dangerous substances - ANNEX I None of the ingredients is listed.

National regulations

New Zealand HSNO

HSNO Approval Number HSR002544 Construction Products Subsidiary Hazard Group Standard 2020

16. Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases:

H315 Causes skin irritation.

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

Abbreviations and acronyms:

ADR Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG International Maritime Code for Dangerous Goods

IATA International Air Transport Association

EINECS European Inventory of Existing Commercial Chemical Substances

ELINCS European List of Notified Chemical Substances

CAS Chemical Abstracts Service (division of the American Chemical Society)

PBT Persistent, Bioaccumulative and Toxic

vPvB Very Persistent and very Bioaccumulative

Skin Irrit. 2 Skin corrosion/irritation – Category 2

Eye Dam. 1 Serious eye damage/eye irritation – Category 1

STOT SE 3 Specific target organ toxicity (single exposure) – Category 3

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Talk to one of our experts, or visit our website:

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