

## Joluka Curing Compound

Material Safety Data Sheet

### 1. IDENTIFICATION OF SUBSTANCE / PREPARATION AND THE COMPANY / UNDERTAKING

Company Details : Joluka (Pty) Ltd  
349 Roan Crescent, Corporate Park North  
Midrand  
Gauteng  
South Africa

Telephone : +27 11 314 0795  
Telefax : 011 314 5245  
Website : [www.joluka.co.za](http://www.joluka.co.za)  
Email : [sales@joluka.co.za](mailto:sales@joluka.co.za)  
Date : 1 January 2023

Product Name : **Joluka Curing Compound**  
**Water based acrylic emulsion concrete curing compound**

### 2. HAZARDS IDENTIFICATION

#### Classification of Substance or Mixture:

Type of Product: Water based acrylic emulsion

#### Classification

Not hazardous according to EEC criteria

**Signal Word:** Non-Hazardous

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Nature: Water-based dispersion of an acrylic co-polymer.

Component	CAS #	Concentration W/W %
Acrylic co-polymer	Not applicable	> 15 < 30

### 4. FIRST AID MEASURES

**General advice:** Move out of dangerous area. Consult a physician. Show this material safety data sheet to the doctor in attendance. Do not leave the victim unattended.

<b>Inhalation:</b>	Consult a physician after significant exposure. If unconscious, place in recovery position and seek medical advice
<b>Skin contact:</b>	Wash with water before the dispersion dries. Remove contaminated clothing.
<b>Eye contact:</b>	Wash with water for several minutes. Seek medical advice.
<b>Ingestion:</b>	Keep respiratory tract clear. Do NOT induce vomiting. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Take victim immediately to hospital.
<b>Notes to physician:</b>	Treat symptomatically

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## 5. FIRE-FIGHTING MEASURES

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### Extinguishing Media

Suitable Extinguishing Media:      Water spray  
   Dry Chemicals  
   Carbon dioxide (CO<sub>2</sub>)

Special hazards:                              Product is water based and not flammable. Dry resin will burn producing carbon monoxide, carbon dioxide and sometimes oxides of nitrogen accompanied by dense black smoke.

### Special Protective Equipment and Fire Fighting Instructions

Wear self-contained breathing apparatus for firefighting if necessary for firefighters.

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## 6. ACCIDENTAL RELEASE MEASURES

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**Personal Precautions:**                      Use personal protective equipment.  
   Respiratory equipment if in an enclosed area.

**Environmental Precautions:**              Do not wash into drains unless leading to a suitable effluent process.

### Methods and Materials for Containment and Cleaning Up:

**Small Spills:**                                      Absorb with sand or rags before the emulsion is allowed to dry.

**Large Spills:**                                      Contain and pump into a receiving vessel for removal. Use absorbent material to soak up residues before collection and disposal according to local regulations.

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## 7. HANDLING AND STORAGE

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**Advice on safe handling:**

Handling: Wear protective gloves, goggles, overalls and apron. Stir before use

**Conditions for safe storage:**

Suitable material: Plastic-lined steel drums, mini-bulks or tanks.

Do not use storage vessels or pipework made of aluminium, copper or their alloys.

Store under cover at a temperature above freezing.

Drums should be properly sealed.

Bulk tanks should be regularly cleaned and sterilised.

**Further information on storage conditions:**

Keep workplace well ventilated.

Containers should be stored tightly sealed in a dry place.

**Further information on storage stability:**

Open in ventilated surroundings as small levels of volatile compounds may accumulate in the head space of the containers.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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**Occupational exposure limits:** Not applicable

**Engineering control measures:** Not applicable

**Personal protection – respiratory:** Breathing apparatus if ventilation is not adequate

**Personal protection – eye:** Safety goggles recommended.

**Personal protection – skin:** Safety gloves, waterproof overalls and boots recommended in cases of severe splashing.

**Other protection:** Do not eat, drink or smoke when handling product

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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Physical State: Liquid  
Appearance: Milky white  
Odour: Characteristic  
pH: 8 – 9 (as supplied)  
Boiling point: 100°C (as for water)  
Flash point: Not applicable  
Explosive properties: Not applicable

Vapour pressure:	As for water
Density:	±1 (as for water)
Solubility – Water:	Fully miscible
Solubility – Solvent:	Soluble in some alcohols, esters and aromatic solvents

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## 10. STABILITY AND REACTIVITY

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**Stability:** Stable under recommended conditions of storage (see Section 7)

**Reactivity:** No hazardous reactions if stored and handled as prescribed/indicated.

**Incompatible materials:** None

**Conditions to Avoid:** Extremes of temperature

**Hazardous decomposition products:** None

**Hazardous reactions:** None

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## 11. TOXICOLOGICAL INFORMATION

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**Acute Toxicity:** Long term experience of handling this class of product under industrial conditions indicate the absence of any chronic or acute effects.

**Skin and eye contact:** Long term experience of handling this class of product under industrial conditions indicate the absence of any chronic or acute effects.

**Chronic toxicity:** Long term experience of handling this class of product under industrial conditions indicate the absence of any chronic or acute effects.

**Carcinogenicity:** None known

**Mutagenicity:** None known

**Neurotoxicity:** None known

**Reproductive hazards:** None known

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## 12. ECOLOGICAL INFORMATION

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### Ecotoxicity

**Aquatic toxicity – Fish:** Low toxicity (<500 mg/litre)

**Aquatic toxicity – Daphnia:** None known

**Aquatic toxicity – Algae** None known

**Biodegradability:** The base polymer is slowly biodegraded

**German wgk:** WGK = 1, VwVwS, Kenn. Nr.662

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## 13. DISPOSAL CONSIDERATIONS

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Not classified as hazardous waste.

Disposal of product and packaging should always comply with local and national regulations.

**Disposal methods:** Waste product should not be discharged directly into drains or waterways without treatment.  
Waste water containing product should be treated in a separation and biological treatment plant.

**Disposal of packaging:** Drums may be cleaned and returned to the supplier for reuse.

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## 14. TRANSPORT INFORMATION

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Not classified as hazardous for transport.

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## 15. REGULATORY INFORMATION

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**EEC hazard classification:** None

This product contains only substances which are on the European Inventory of Existing Chemicals (EINECS)

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## **16. OTHER INFORMATION**

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Information given herein is offered in good faith as accurate, but without guarantee. Conditions of use and suitability of the product for particular uses are beyond our control. All risks of use of the product are therefore assumed by the user and we expressly disclaim all warranties of every kind and nature, including warranties of merchantability and fitness for purpose in respect to the use or suitability of the product. Nothing is intended as a recommendation for uses which infringe valid patents or as extending license under valid patents. Appropriate warnings and safe handling procedures should be provided to handlers and users.

Prepared by: **Joluka (Pty) Ltd**

Health, Safety, Environment and Quality Department

For further information, contact:

Product Safety Adviser Tel: Gunter – 011 314 0795