

Revision 1      Date Issued: January 2014

### 1. Identification of the substance/preparation and company

**Product Name:** Deckshield Finish, Base A

**Application:** Base A polyol component of a 2 pack flexible polyurethane coloured surface finish coat. Part of the Deckshield system for Car Park Decking.

**Manufacturer:**

Flowcrete SA (Pty) Ltd, 176 Voortrekker Street, Jacobs 4052

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### 2. Composition/information on constituents

Contains polyol resin, various pigments, thixotropic agents, surfactants and additives.

### 3. Hazards Identification

May cause transient irritation of the eyes.

When the base is mixed with the hardener an exothermic reaction starts (i.e. heat is generated).

If the mix is not applied within 20 - 30 minutes some smoking may occur.

### 4. First Aid measures

**Inhalation** : Remove from exposure – unlikely to occur because of the low volatility of the product.

**Skin contact** : Wash with soap and plenty of water or a suitable skin cleanser as soon as possible.

**Eye Contact** : Hold eyelids apart and immediately flush with plenty of water for at least 15 minutes. If irritation persists, seek medical advice.

**Ingestion** : Wash out mouth with water. If any has been swallowed, seek medical advice.

### 5. Fire-fighting measures

**Suitable extinguishing media** : Water spray, carbon dioxide (CO<sub>2</sub>), foam, dry powder.

**Un-Suitable extinguishing media** : High volume water jet

**Special exposure hazards** : Burning produces carbon oxides.

**Special protective equipment** : Wear self-contained breathing apparatus and protective suit.

**Additional information** : None.

### 6. Accidental release measures

**Personal precautions** : Use personal protective equipment as detailed in Section 8. Ensure adequate ventilation.

**Environmental precautions** : Prevent entry into drains, sewers and water courses.

**Methods for cleaning up** : Soak up with inert absorbent material or contain and remove by best available means. Collect in suitable containers for disposal in accordance with Section 13

## 7. Handling and storage

**Handling** : Ensure adequate ventilation. Use personal protective equipment as detailed in Section 8. Handle and open container with care. Avoid skin and eye contact.

**Storage** : Store in a dry, cool, well-ventilated place at 5 - 25°C. Keep container tightly closed.

## 8. Exposure controls/personal protection

There are no components with occupational exposure limits.

**Engineering measures to reduce exposure** : No specific ventilation requirement noted.

**Personal protective equipment** :

**Respiratory protection** : Not required.

**Eye protection** : Goggles or face shield.

**Hand protection** : Impervious gloves

**Skin and body protection** : Overalls.

**Protective measures** : Use of the basic principles of Industrial Hygiene will enable this material to be used safely.

## 9. Physical and chemical properties

**Appearance** : Liquid, colour on label

**Odour** : Almost odourless

**Boiling Point** : No data

**Flashpoint** : >100°C

**Relative Density** : 1.50 ± 0.05

**Water solubility** : Insoluble

**Water miscibility** : none

## 10. Stability and reactivity

**Conditions to avoid** : None known.

**Materials to avoid** : None known.

**Hazardous decomposition products** : Thermal decomposition - carbon oxides.

## 11. Toxicological information

**Acute oral toxicity** : Polyol, LD<sub>50</sub> oral (rat) : >5000 mg/kg

**Eye irritation** : May cause transient irritation.

**Skin Irritation** : Unlikely to irritate on brief or occasional exposure.

**Sensitisation** : No data

**Long term toxicity** : Low volatility makes inhalation unlikely at typical UK ambient temperatures. Low order of acute toxicity. Ingestion may cause irritation of the mouth, throat and digestive tract.

## 12. Ecological information

**Ecotoxicity** : Polyol: Brachydanio rerio LC<sub>0</sub> : > 100 mg/l  
Daphnia LC<sub>0</sub> : > 100 mg/l

**Mobility** : Insoluble in water.

**Persistence and degradability** : Not readily degradable.

- Bioaccumulative potential** : Not expected to be bioaccumulative.
- Additional ecological information** : Do not allow to escape into waterways, waste water or soil.

### 13. Disposal considerations

- Unused Product/waste from cleaning etc.** : Dispose of in accordance with local and national regulations. Do not empty into drains, sewers or water courses.
- EC Waste Catalogue (EWC) code: 08 01 12  
Waste products from the Manufacture, Formulation, Supply and Use (MFSU) of paint and varnish. Waste paints and varnish other than those mentioned in 08 01 11.
- Contaminated packaging** : If the container has been used for mixing with the Hardener, can be landfilled in accordance with local regulations. Remove/invalidate the warning label.
- If the container has not been used for mixing with the Hardener, treat as for unused product.  
After cleaning, empty containers can be landfilled in accordance with local regulations. Remove/invalidate the warning label.

### 14. Transport information

**Not classified as hazardous for transport.**

### 15. Regulatory information

- Classification according to EEC directive:** **Not classified**
- Labelling:**
- S-phrases** :  
S36/37/39 : Wear suitable protective clothing, gloves and eye/face protection.
- EC Directives:** Dangerous Substances Directive, 67/548/EEC & adaptations.  
Dangerous Preparations Directive, 1999/45/EC.  
Safety Data Sheets Directive, 91/155/EEC and adaptations.
- Statutory Instruments:** Chemicals (Hazard Information & Packaging for Supply) Regs 2002.  
Control of Substances Hazardous to Health Regs 1999.  
Environmental Protection (Duty of Care) Regs. 1991.
- Codes of Practice** Waste Management. The Duty of Care.

### 16. Other Information

This safety data sheet has been prepared in accordance with CHIP3. The text in each section has changed and the section order/ headings is in line with the requirements of CHIP3.

The provision of Safety data sheets comes under Regulation 6 of CHIP (CHIP is the recognised abbreviation for the Chemicals, Hazard Information and Packaging Regulations). This is in addition to the Health and Safety at Work Act 1974.

Users of our products should take appropriate measures to ensure working practices are in accordance with the Control of Substances Hazardous to Health Regulations (COSHH).

This data sheet does not replace the obligation of the user to provide their own assessment of workplace risk as required by other Health & Safety legislation.

## **Training Advice**

Applicators need to be trained in:-  
Handling and hygiene associated with use of industrial chemicals.  
Correct mixing and application of the product.  
Correct cleaning and disposal methods.

## **Notes**

Do not use organic solvents for skin cleansing, it will lead to defatting of the skin, skin irritation and/or dermatitis.  
Some solvents can be absorbed through the skin.  
Beware of cross contamination where different products are in use in the same location.  
Take into account the Manual Handling regulations when dealing with the mixed product.

## **Restrictions on Use**

The product is intended for use by appropriately trained applicators in industrial situations.  
It is not suitable for use in home DIY applications, especially because of its hazardous nature and the protective measures required.

The material has been designed for application by roller and squeegee - it is not recommended this material be sprayed.  
The isocyanates in the hardener are respiratory sensitisers and the engineering requirements to allow spraying would have to include total exclusion of all non spraying personnel and prevention of all overspray/vapour/fumes from escaping. It would not be acceptable from a safety viewpoint to allow any escape of the material because even small concentrations can cause asthma like attacks in sensitised persons. In effect spraying can only be undertaken in a spray booth with appropriate water wash facilities for exhaust air.

This safety data sheet is based on our present knowledge and experience and is intended to serve as a guide for safe handling of the product regarding to health and environmental aspects.