

Version 3 Date Issued: January 2014

conforms to Regulation (EC) no 1907/2006

1. Identification of the substance/preparation and company

Product Name: Deckshield Primer Base A

Application: Base A polyol component of a 2 pack flexible polyurethane floor coating used as part of the Deckshield ED system to seal the aggregate layer. Mixed material is applied by roller, serrated trowel or squeegee.

Manufacturer:

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2. Composition/information on constituents

Chemical Name	EINECS No.	CAS No.	% by weight	Symbols and Risk Phrases
Polyester-Polyether-Polyol	-	-	40 - 50	Xi; R43.

Also contains various non-classified pigments, thixotropic agents, surfactants and additives.

3. Hazards Identification

May cause sensitisation by skin contact.

May cause transient irritation of the eyes.

4. First Aid measures

Inhalation : Remove from exposure – unlikely to occur because of the low volatility of the product. If someone is affected, seek medical advice.

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 (CO₂), foam, dry powder.

Un-Suitable extinguishing media : High volume water jet

Special exposure hazards : Burning produces carbon monoxide, carbon dioxide, oxides of nitrogen and a trace of hydrogen cyanide.

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 – 30°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 : Wear eye/face protection.

Hand protection : Impervious gloves, nitrile rubber probably gives the best resistance to the chemicals.

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	Relative Density	: 1.1
Odour	: Almost odourless	Water solubility	: Insoluble
Boiling Point	: No data	Water miscibility	: none
Flashpoint	: >100°C		

10. Stability and reactivity

Conditions to avoid : None known.

Materials to avoid : None known.

Hazardous decomposition products : In a fire, carbon and nitrogen oxides with a trace of hydrogen cyanide.

11. Toxicological information

Acute toxicity : Polyester-Polyether-Polyol: LD₅₀ oral (rat) : >5,000 mg/kg

Irritation : Polyester-Polyether-Polyol: Primary skin irritation: (rabbit)
Result: non-irritant.
Primary mucosae irritation:(rabbit)
Result: non-irritant

Sensitisation : Polyester-Polyether-Polyol:
Skin sensitization (local lymph node assay (LLNA)): mouse
Result: positive Method: OECD Test Guideline 429

Genotoxicity : Polyester-Polyether-Polyol: Genotoxicity in vitro: Ames test
Result: negative Method: OECD Test Guideline 471

12. Ecological information

Ecotoxicity	: Polyester-Polyether-Polyol: Brachydanio rerio (96 hr) LC ₀ : > 100 mg/l Method: OECD Guideline for Testing of Chemicals, No. 203 Daphnia magna (48 hr) EC ₅₀ : > 100 mg/l Method: OECD Guideline for Testing of Chemicals, No.202 Bacteria (activated sludge) EC ₅₀ : > 1,000 mg/l Method: OECD Guideline for Testing of Chemicals, No.209 Algae (scenedesmus subspicatus) (72 hr) IC ₅₀ : > 100 mg/l Method: OECD Guideline for Testing of Chemicals, No.201
Mobility	: Insoluble in water.
Persistence and degradability	: Polyester-Polyether-Polyol: 12 % , i.e. not readily degradable Method: OECD Guideline for Testing of Chemicals, No.301 D
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. Use EC Waste Catalogue (EWC) code: 08 01 12 (not a hazardous waste).
Contaminated packaging	: Partially filled containers shall be disposed of as for the product above. Well drained containers shall be disposed of as non-hazardous packaging waste. Remove/invalidate the warning label. Use EWC Code 150102 for plastic, 150104 for metal.

14. Transport information

Not classified as hazardous for transport.

15. Regulatory information

Classification according to EEC directive:
Labelling:



Xi - Irritant

R-phrases

R43 : May cause sensitisation by skin contact.

S-phrases

S24 : Avoid contact with skin.

S36/37/39 : Wear suitable protective clothing, gloves and eye/face protection.

Special provisions statement : None.

Hazardous component(s) which must be listed on the label : Polyester-Polyether-Polyol.

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.
Control of Substances Hazardous to Health Regs.
Environmental Protection (Duty of Care) Regs.

Codes of Practice	Waste Management. The Duty of Care. Approved classification and labelling guide (Fifth edition). L131. The compilation of safety data sheets (Third edition).
Guidance Notes	Occupational Exposure Limits EH40 CHIP for Everyone HSG(108)

16. Other Information

The text in sections 1, 2, 3, 4, 5, 7, 8, 10, 11, 12, 13, 15 and 16 has changed.

This safety data sheet has been prepared in accordance with REACH.

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.

EC Directive relating to the classification, packaging and labelling of dangerous substances and preparations –
Classification(s) and Risk (R) phrase(s) referred to in this document:

Xi : Irritant
R43 : May cause sensitisation by skin contact.

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, serrated trowel and/or 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.