

SAFETY DATA SHEET

1: IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Product Name: **DEKGUARD CLEAR**

Application: Solvent based clear coating.

Company: **Fosroc Limited**

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2: COMPOSITION/INFORMATION ON INGREDIENTS

Composition: acrylic resin, xylene, toluene.

Hazardous Ingredient(s)	Symbol	Risk Phrases	Other Information	%
xylene, mixture of isomers	Xn	R10, 20/21, 38	Cas No: 1330-20-7	>50
toluene	F,Xn	R11, 20	Cas No: 108-88-3	>25 <50
ethyl acrylate (residual monomer)	F, Xn	R11, 20/22, 36/37/38, 43	Cas No: 140-88-5	<0.25

All constituents of this product are listed in EINECS (European Inventory of Existing Commercial Chemical Substances) or ELINCS (European List of New Chemical Substances) or are exempt.

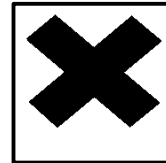
Refer to Section 8 for Occupational Exposure Limits.

3: HAZARDS IDENTIFICATION

Highly flammable
Harmful by inhalation and in contact with skin



HIGHLY
FLAMMABLE



HARMFUL

4: FIRST AID MEASURES

Eyes: Irrigate immediately with copious quantities of water for several minutes. Obtain medical attention urgently.

Skin: Wash immediately with soap and water or suitable skin cleanser.

Inhalation: Remove from exposure, rest and keep warm and obtain medical attention urgently.

Ingestion: Do NOT induce vomiting. Obtain medical attention. Beware of aspiration if vomiting occurs.

5: FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Carbon dioxide, powder, foam or water fog - Do not use water jets.

Special Exposure Hazards: Toxic fumes. For further information see Section 10.

Special Protective Equipment: Self-contained breathing apparatus.

6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Immediately issue NO SMOKING and NO NAKED FLAMES warnings. Wear self contained breathing apparatus and protective clothing.

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

Decontamination Procedures: Soak up with inert absorbent or contain and remove by best available means. Dispose of as waste.

7: HANDLING AND STORAGE

Handling: Do not use near sources of ignition. Use only in well ventilated areas. Avoid breathing vapours. Avoid skin and eye contact.

Storage: Store in conformity with local fire regulations. Store away from sources of ignition. Store out of direct sunlight. Keep containers dry and tightly closed.

8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits:-

Substance	8 Hour TWA	STEL	Source/Other Information
ethyl acrylate	21 mgm ⁻³	62 mgm ⁻³	EH40
toluene	191 mgm ⁻³	574 mgm ⁻³	EH40
xylene, mixed isomers	441 mgm ⁻³	662 mgm ⁻³	EH40

Engineering Control Measures: Use only in well ventilated areas. Mechanical methods to minimise exposure must take precedence over other personal protective measures. Use flameproof equipment and isolate all potential sources of ignition.

Personal Protective Equipment: In case of insufficient ventilation wear suitable respiratory equipment. Impervious gloves (eg PVC). Safety glasses / Goggles. Plastic apron and overalls.

9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid.
Colour:	Colourless.
Odour:	Sweet. Aromatic.
pH(concentrate):	Not applicable.
pH(working dilution):	Not applicable (non-aqueous).
Boiling Point/Range (°C):	110 - 140
Melting Point/Range (°C):	Not applicable.
Flash Point (closed, °C):	7
Autoflammability (°C):	480
Explosive Properties (%):	Lower explosive limit (LEL): 1.1%. Upper explosive limit (UEL): 7.1%.
Oxidising Properties:	Not determined.
Vapour Pressure (kPa at 20°C):	~3
Relative Density (at 20°C):	0.92
Water Solubility:	Insoluble.
Other data:	Evaporation rate (n-butyl acetate = 1): >1

10: STABILITY AND REACTIVITY

Stability:	Contains volatile solvent.
Conditions to Avoid:	Any source of ignition. Direct sunlight. Temperatures (°C) above 50.
Materials to Avoid:	Strong oxidising agents. Strong acids.
Hazardous Decomposition Products:	Thermal decomposition may yield acrylic monomers. Oxides of carbon.

11: TOXICOLOGICAL INFORMATION

Health Effects

On Eyes: Irritating and may injure eye tissue if not removed promptly.

On Skin: Harmful by absorption through the skin. Moderately irritating. May defat the skin.

By Inhalation: Harmful by inhalation. Mist and vapours may cause irritation to nose and respiratory tract. High concentrations of vapour can cause narcosis and asphyxiation.

By Ingestion: May cause nausea, vomiting and diarrhoea. Aspiration of liquid during ingestion or from vomiting may cause severe chemical pneumonitis.

Chronic: Repeated and prolonged skin contact may lead to skin disorders.

12: ECOLOGICAL INFORMATION

Environmental Assessment: When used and disposed of as intended, no adverse environmental effects are foreseen. Contains volatile organic compounds.

Mobility: Volatile. Mobile liquid. Insoluble in water.

Persistence and Degradability: Not readily biodegradable, but is inherently biodegradable. Volatile organic compounds undergo photochemical degradation in the atmosphere.

Bioaccumulative Potential: Bioaccumulative, however with short retention period of the order of one week or less.

Ecotoxicity: Expected to be ecotoxic to fish/daphnia/algae.

13: DISPOSAL CONSIDERATIONS

Disposal must be in accordance with local and national legislation.

Unused Product: Classified as a special waste. Dispose of through an authorised waste contractor to a licensed site.

Used/Contaminated Product: Dispose of through an authorised waste contractor to a licensed site. May be incinerated. Do not empty into drains, sewers or water courses.

Packaging: Must be disposed of through an authorised waste contractor.
May be steam cleaned and recycled.
Contains volatile solvent, ventilate before steam cleaning (explosion risk).
Contains flammable residues, do not crush or incinerate.

14: TRANSPORT INFORMATION

UN Number: 1866

IMO: Class: 3.2 Packing Group: II Marine Pollutant: No

IATA/ICAO: Class: 3 Packing Group: II

ADR: Class: 3 Item: 5(b)

Transport Name: Resin Solution.

Hazchem/Kemler Code: 3WE / 33

15: REGULATORY INFORMATION

Hazard Label Data:-

Named Ingredients: toluene
xylene (mixture of isomers)

UN Number: 1866

Symbol(s): F, Xn

Risk Phrases: Highly flammable.
Harmful by inhalation and in contact with skin.
Irritating to skin.

Safety Phrases: Keep away from sources of ignition - No smoking.
Do not breathe vapour/spray.
Wear suitable protective clothing, gloves and eye/face protection.
Use only in well ventilated areas.

EC Directives: Dangerous Preparations Directive, 88/379/EEC.
Safety Data Sheets Directive, 91/155/EEC.
Dangerous Substances Directive, 67/548/EEC and adaptations.

Statutory Instruments: Health & Safety at Work, etc. Act 1974.
Chemicals (Hazard Information and Packaging for Supply) (Amendment) Regs. 1996 (SI 1092).
Control of Substances Hazardous to Health Regs. 1994 (SI 3246).
The Special Waste Regulations 1996 (SI 972).
Highly Flammable Liquids & Liquefied Petroleum Gases Regs. 1972 (SI 917).

Codes of Practice: Safety data sheets for substances and preparations dangerous for supply (L37).
Waste Management. The Duty of Care.

Guidance Notes: Storage of packaged dangerous substances [HS(G)71].
Occupational exposure limits (EH 40).

The above publications are available from HMSO

16: OTHER INFORMATION

The data and advice given apply when the product is used for the stated application or applications. The product is not sold as suitable for any other application. Use of the product for applications other than as stated in this sheet may give rise to risks not mentioned in this sheet. The product should not be used other than for the stated application or applications without seeking advice from Fosroc Ltd.

If this product has been purchased for supply to a third party for use at work, it is the purchaser's duty to take all necessary steps to secure that any person handling or using the product is provided with the information in this sheet.

It is the responsibility and duty of the employer to inform employees and others who may be affected of any hazards described in this sheet and of any precautions which should be taken.

This sheet does not constitute or substitute for the users own assessment of workplace risk, as required by other health and safety legislation.

Further copies of this Safety Data Sheet may be obtained from Fosroc Limited.

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SDS Reference: 0824/1 DKCL

REVISION

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