

MATERIAL SAFETY DATA SHEET. SAFESGLAZE.DOC Page 1 of 2

1. IDENTIFICATION OF PRODUCT AND COMPANY

Product name : ARMAGLAZE CLEAR GLOSS
Architectural / anti-graffitti coating

Company : D. Adam & Associates / ACTEL Coatings
Clarendon, 17 High Cross Avenue, Melrose TD6 9SQ Scotland
Tel: +44 (0) 7880 805478 E: dougadam@globalnet.co.uk
<http://www.enviroguard-anti-graffiti.co.uk/default.htm>

2. COMPOSITION/ HAZARDOUS INGREDIENTS

An aliphatic polyisocyanate prepolymer in aromatic and aliphatic solvents

3. HAZARD IDENTIFICATION

Flammable- May cause sensitisation by inhalation and skin contact - Harmful by inhalation

4. FIRST AID MEASURES

Eye contact : Wash out with copious amounts of water.
If irritation persists seek medical advice.

Skin contact : Wash off with soap and water. Do not use solvents or thinners.

Ingestion : Obtain immediate medical attention. Do not induce vomiting.

Inhalation : Move the exposed person into fresh air. Get prompt medical attention.

5. FIRE FIGHTING MEASURES

Use Carbon dioxide, Dry Powder, Halogenated Hydrocarbons, Foam. Never use water. Fire will produce dense black smoke from wet product containing hazardous products of combustion. Decomposition products may be hazardous to health. Use self contained breathing equipment.

6. ACCIDENTAL RELEASE MEASURES

Spillages should be contained using soil or other adsorbent material to prevent contamination of drains and water courses. Waste material from spillages should be disposed of in accordance to local regulations. Spilled material may cause surfaces to become slippery. Clean-up personnel should use respiratory and/or liquid contact protection.

7. HANDLING AND STORAGE

Store securely in the original labelled containers in dry, well ventilated conditions away from heat sparks and open flames.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Ingredient name	%conc range	Symbol OES.	OES (8hrs)	OES 15mins	Risk phrases	Notation
Hexamethylene-di-Isocyanate	>0.5%&=<1%	T, Xi			23-36/37/38-42/43	
Xylene, mixture of isomers	>5%&=<10%	Xn,Xi	100	150	20/21-38-10	Sk OES
Ethylbenzene	>1%&=<2.5%	Xn, F	100	125	20- 11	OES
1-Methoxy-2-Propyl Acetate	>10%&=<25%		100		10	SUP OES

Notes: LTEL = Long term Exposure Limit - 8 hour time weighted average
STEL = Short term exposure limit - 10 minute reference period
Notations = Sk - risk of absorption through skin Sen - Respiratory sensitiser
OES = Occupational exposure Limit MEL = Maximum exposure limit
OEL's are from E40 except where marked SUP which are assigned by the supplier of the substance

Exposure controls : Respiratory protection is not normally required but if spraying applications are involved appropriate air fed masks should be worn. Ensure sufficient local exhaust ventilation.

Personal protection : Respiratory, wear air fed mask when spraying, to prevent inhalation. Hands, the use of suitable solvent resistant gloves is recommended. Eyes, safety glasses or goggles, (BS2902). Skin, Apron, overalls

9. PHYSICAL AND CHEMICAL PROPERTIES

State	: Viscous Liquid.	Flash point	: >21°C & < 32°C Abel cup
Colour	: Clear	Solubility	: Not water miscible
Lower explosion limit	: 1.1% vol	Density @ 25°C	: 1.01gms/cc
Vapour density	: Heavier than air	VOC content	: .273 Kgs/lit

10. STABILITY AND REACTIVITY

This product is stable for six months when stored at 18°C-25°C. See sec. 7

11. TOXICOLOGICAL INFORMATION

There is no data on this product. Exposure to organic solvent vapours may result in adverse health effects. Eye splashes and skin care should be avoided so as to prevent irritation. Persons with a history of asthma or other respiratory disorder should not be permitted to apply this product. Exposure may bring on an asthmatic attack.

12. ECOLOGICAL INFORMATION

No data available. Do not release into surface waters.

13. DISPOSAL CONSIDERATIONS

Do not release into surface waters. Wastes including empty containers should be disposed of in accordance with the Control of Pollution & Environmental Protection Acts. Disposal of large quantities as waste must always comply with existing EEC, national and local regulations. Registered waste carriers and licensed disposal sites must be used.

14. TRANSPORT CONSIDERATIONS

ROAD/RAIL	: SI number1866	PACKING GRP ...111	Class...3B
IMDG	: Packing grp <=30 lts....111	>30lts....111	Class...3.3	
	Marine pollutant	: Yes	UN No 1866	
	Main risk		: Flammable liquid	
	Shipping name	: Paint		
ICAO/IATA	: Packing grp <=30 lts....111	>30lts....111	Class...3	
	UN No 1263			
	Main risk		: Flammable liquid	
	Shipping name	: Paint		
INTERNATIONAL:	Packing grp	111	Class ...3	
ROAD / RAIL	Main risk		: Flammable liquid	UN No 1263
	Shipping name		: Paint	

15. REGULATORY INFORMATION

This product is classified and labelled for supply in accordance with the Chemicals (Hazard Information, packaging for supply) Regulations 1994 as follows:

- 15.1 Classification : Flammable Xn Harmful
Contains HEXAMETHYLENE-DI-ISOCYANATE
- 15.2 Labelling : Flammable liquid
- 15.3 Symbol (s) :
- 15.4 R-phrases : R - 10, Flammable
R - 42/43 May cause sensitisation by inhalation and skin contact
R - 20 Harmful by inhalation
- 15.5 S-phrases : S - 2 Keep out of reach of children
S - 7/9 Keep container closed and in a well ventilated place
S - 46 If swallowed seek medical advice immediately and show label
S - 43 In case of fire do not use water
- P-phrases : For use only in commercial and industrial applications
- The provisions of the Health & Safety at Work Act and the Control of Substances Hazardous to Health Regs apply to the use of this product at work

16. OTHER INFORMATION

Text of any R phrases in Sec 8:

R10	Flammable	R11	Highly Flammable
R20/21	Harmful by inhalation and in contact with skin	R23	Toxic by inhalation
R36/37/38	Irritating to eyes, respiratory system and skin		
R42/43	May cause sensitisation by inhalation and skin contact		

This Material Safety Data Sheet dated 20/01/1997 follows the requirements of EEC directive 91/155/EEC