



SAFETY DATA SHEET DECOTHANE CLEARGLAZE

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

PRODUCT NAME	DECOTHANE CLEARGLAZE
APPLICATION	Surface coating for the building and construction industry
SUPPLIER	LIQUID PLASTICS LIMITED IOTECH HOUSE MILLER STREET PRESTON LANCASHIRE PR1 1EA T:+44(0)1772 259781 F:+44(0)1772 255670 info@liquidplastics.co.uk
EMERGENCY TELEPHONE	+ 44(0)870 190 6777 (24hr, ENG)

2 HAZARDS IDENTIFICATION

Flammable. Harmful by inhalation. May cause sensitisation by inhalation and skin contact. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

CLASSIFICATION Xn;R20. R42/43. N;R51/53. R10.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
1,2,4-TRIMETHYLBENZENE	202-436-9	95-63-6	5-10%	R10 Xn;R20 Xi;R36/37/38 N;R51/53
ALIPHATIC POLYISOCYANATE	500-125-5	53880-05-0	30-60%	R43.
CUMENE	202-704-5	98-82-8	< 1%	R10 Xn;R65 Xi;R37 N;R51/53
ISOPHORONE DI-ISOCYANATE	223-861-6	4098-71-9	< 1%	T;R23 R42/43 Xi;R36/37/38 N;R51/53
MESITYLENE	203-604-4	108-67-8	1-5%	R10 Xi;R37 N;R51/53
Solvent Naphtha (Petroleum), Light aromatic	265-199-0	64742-95-6	10-30%	Xn;R65. N;R51/53. R10,R66,R67.
XYLENE	215-535-7	1330-20-7	5-10%	R10 Xn;R20/21 Xi;R38

The Full Text for all R-Phrases are Displayed in Section 16

4 FIRST-AID MEASURES

GENERAL INFORMATION

Remove affected person from source of contamination.

INHALATION

In case of inhalation of spray mist: Move person into fresh air and keep at rest. Rinse nose and mouth with water. Get medical attention if any discomfort continues.

INGESTION

Immediately rinse mouth and provide fresh air. Consult a physician for specific advice. DO NOT induce vomiting. Get medical attention immediately.

SKIN CONTACT

Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if any discomfort continues.

EYE CONTACT

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention. Get medical attention if any discomfort continues.

DECOTHANE CLEARGLAZE

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Fire can be extinguished using: Foam. Powder. Dry chemicals.

SPECIAL FIRE FIGHTING PROCEDURES

Avoid breathing fire vapours. Containers close to fire should be removed or cooled with water. If risk of water pollution occurs, notify appropriate authorities.

UNUSUAL FIRE & EXPLOSION HAZARDS

FLAMMABLE. May ignite at high temperature.

SPECIFIC HAZARDS

Closed containers can burst violently when heated, due to excess pressure build-up.

PROTECTIVE MEASURES IN FIRE

Wear full protective clothing. Use air-supplied respirator during fire fighting.

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Wear protective clothing as described in Section 8 of this safety data sheet. Provide adequate ventilation. Avoid inhalation of vapours and contact with skin and eyes.

SPILL CLEAN UP METHODS

Ventilate well. Should be prevented from entering drains. Collect spillage in containers, seal securely and deliver for disposal according to local regulations. For waste disposal, see section 13.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Observe good industrial hygiene practices. Do not eat, drink or smoke when using the product. Avoid inhalation of vapours/spray and contact with skin and eyes. Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving the work site. Do not use in confined spaces without adequate ventilation and/or respirator. During application and drying, solvent vapours will be emitted. Persons with impaired lung functions should not handle this preparation. Persons susceptible for allergic reactions should not handle this product. Wear full protective clothing for prolonged exposure and/or high concentrations.

STORAGE PRECAUTIONS

Flammable/combustible - Keep away from oxidisers, heat and flames. Store in a dry place. Protect from freezing and direct sunlight. Store below 25°C. Avoid storing for very long periods.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	TWA - 8 hrs		STEL - 15 min		Notes
CUMENE	WEL	25 ppm(Sk)	125 mg/m3(Sk)	50 ppm(Sk)	250 mg/m3(Sk)	
ISOPHORONE DI-ISOCYANATE	WEL		0.02 mg/m3(Sk)		0.07 mg/m3(Sk)	
XYLENE	WEL	50 ppm(Sk)	220 mg/m3(Sk)	100 ppm(Sk)	441 mg/m3(Sk)	

WEL = Workplace Exposure Limit.

INGREDIENT COMMENTS

WEL = Workplace Exposure Limits

PROTECTIVE EQUIPMENT



PROCESS CONDITIONS

Provide eyewash station.

DECOTHANE CLEARGLAZE**ENGINEERING MEASURES**

Provide adequate ventilation. Observe Workplace Exposure Limits and minimise the risk of inhalation of vapours.

RESPIRATORY EQUIPMENT

No specific recommendation made, but respiratory protection must be used if the general level exceeds the Recommended Workplace Exposure Limit. Wear respiratory protection with combination filter (dust and gas filter) during spraying operations.

HAND PROTECTION

Wear protective gloves. Nitrile gloves are recommended. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

EYE PROTECTION

Wear tight-fitting goggles or face shield.

OTHER PROTECTION

Wear suitable protective clothing as protection against splashing or contamination.

HYGIENE MEASURES

When using do not eat, drink or smoke. Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Clear, yellowish liquid		
COLOUR	Colourless to pale yellow		
ODOUR	Aromatic hydrocarbons		
SOLUBILITY	Immiscible with water		
BOILING POINT (°C)	>150@ 760 mm Hg	RELATIVE DENSITY	~ 1.0
VAPOUR DENSITY (air=1)	>1	VOLATILE BY VOL. (%)	40.7
FLASH POINT (°C)	40	AUTO IGNITION TEMPERATURE (°C)	>450
FLAMMABILITY LIMIT - LOWER(%)	0.6	FLAMMABILITY LIMIT - UPPER(%)	7.0
VOC (2004/42/EC) category	(A/i): 500 g/l (2010)	VOLATILE ORGANIC COMPOUND (VOC)	360 g/litre

10 STABILITY AND REACTIVITY**STABILITY**

Stable under normal temperature conditions.

CONDITIONS TO AVOID

Avoid excessive heat for prolonged periods of time. Avoid contact with water. The product will harden into a hard mass in contact with water and moisture.

HAZARDOUS DECOMPOSITION PRODUCTS

If heated, vapours/gases hazardous to health (e.g. CO, NO_x, isocyanates) may be formed.

11 TOXICOLOGICAL INFORMATION**GENERAL INFORMATION**

Preparation contains small volumes of isocyanate which may cause allergic reaction and irritation of respiratory system.

INHALATION

Harmful by inhalation. May cause sensitisation by inhalation. Vapour from this chemical can be hazardous when inhaled. May cause an asthma-like shortness of breath. Contains organic solvents which in case of overexposure may depress the central nervous system causing dizziness and intoxication.

INGESTION

May cause discomfort if swallowed.

SKIN CONTACT

May cause sensitisation by skin contact. The product contains a small amount of sensitising substance which may provoke an allergic reaction among sensitive individuals after repeated contact.

EYE CONTACT

Irritating to eyes.

DECOTHANE CLEARGLAZE

12 ECOLOGICAL INFORMATION

ECOTOXICITY

The product contains substances which are toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

MOBILITY

The product is immiscible with water and will sediment in water systems. The product contains volatile organic compounds (VOC) which will evaporate easily from all surfaces.

BIOACCUMULATION

No data available on bioaccumulation.

DEGRADABILITY

The product is not readily biodegradable.

13 DISPOSAL CONSIDERATIONS

GENERAL INFORMATION

Waste is classified as hazardous waste. Disposal to licensed waste disposal site in accordance with the local Waste Disposal Authority.

DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements. Contact supplier for disposal information.

14 TRANSPORT INFORMATION

UK ROAD CLASS	9		
PROPER SHIPPING NAME	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS SOLVENT NAPHTHA (PETROLEUM) LIGHT AROMATIC)		
UN NO. ROAD	3082	UK ROAD PACK GR.	III
ADR CLASS NO.	9	ADR CLASS	Class 9: Miscellaneous dangerous substances and articles.
ADR PACK GROUP	III	HAZARD No. (ADR)	90
ADR LABEL NO.	9	HAZCHEM CODE	3Z
CEFIC TEC(R) NO.	90GM6-III	RID CLASS NO.	9
RID PACK GROUP	III	UN NO. SEA	3082
IMDG CLASS	9	IMDG PACK GR.	III
EMS	F-A, S-F	MFAG	See Guide
MARINE POLLUTANT	No.	UN NO. AIR	3082
AIR CLASS	9	AIR PACK GR.	III

15 REGULATORY INFORMATION

LABELLING



Harmful



Dangerous for the environment

CONTAINS

ALIPHATIC POLYISOCYANATE
ISOPHORONE DI-ISOCYANATE

DECOTHANE CLEARGLAZE

RISK PHRASES

R10	Flammable.
R20	Harmful by inhalation.
R42/43	May cause sensitisation by inhalation and skin contact.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

SAFETY PHRASES

S23	Do not breathe vapour/spray.
S24	Avoid contact with skin.
S37	Wear suitable gloves.
S45	In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).
S61	Avoid release to the environment. Refer to special instructions/safety data sheets.
P4	Contains isocyanates. See information supplied by the manufacturer.

EU DIRECTIVES

Dangerous Substance Directive 67/548/EEC. Dangerous Preparations Directive 1999/45/EC.

STATUTORY INSTRUMENTS

Chemicals (Hazard Information and Packaging) Regulations.

APPROVED CODE OF PRACTICE

Safety Data Sheets for Substances and Preparations. Classification and Labelling of Substances and Preparations Dangerous for Supply.

GUIDANCE NOTES

Workplace Exposure Limits EH40. CHIP for everyone HSG(108).

16 OTHER INFORMATION

GENERAL INFORMATION

Only trained personnel should use this material.

ISSUED BY

Mike Byrne (Technical Director)

REVISION DATE 23/12/2008

REV. NO./REPL. SDS GENERATED 9

RISK PHRASES IN FULL

R10	Flammable.
R20/21	Harmful by inhalation and in contact with skin.
R20	Harmful by inhalation.
R65	Harmful: may cause lung damage if swallowed.
R36/37/38	Irritating to eyes, respiratory system and skin.
R37	Irritating to respiratory system.
R38	Irritating to skin.
R42/43	May cause sensitisation by inhalation and skin contact.
R43	May cause sensitisation by skin contact.
R66	Repeated exposure may cause skin dryness or cracking.
R23	Toxic by inhalation.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R67	Vapours may cause drowsiness and dizziness.

DISCLAIMER

The information given is believed to be correct but does not claim to be all inclusive and is to be used only as a guide. This company will not be held liable for any damage resulting from handling or from contact with this product. Do not use without referring to the product and safety data sheet. Refer to all local, national and international regulations. Protect from frost and heat - stir before use. Manufactured in the E.U. under an ISO9000 registered system.