



INDASA

HEALTH AND SAFETY PRODUCT INFORMATION

Product: Direct Glaze Primer

Date : 1st May 2009

Product code: 472569

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1.

Company Name and Address
INDASA Abrasives (UK) Limited, Viking Works, Greenstead Road, Colchester Essex CO1 2ST Tel : 01206 870366 Fax : 01206 860525 Email : office@indasa.co.uk

2.

Composition/Information on ingredients				
Global description	Primer for Polyurethane Sealant			
Components that may contribute to hazards				
Name	Cas No.	Range W/W%	R. Phrases	Symbol
Butyl acetate	123-86-4	10-25%	10,66,67	
Ethyl acetate	141-78-6	25-50%	11,36,66,67	Xi
Methoxy methylethyl acetate	108-65-6	2.5-10%	10,36	Xi
Xylene	1330-20-7	1.35%	10,20/21,38	Xn
Hexamethylene diisocyanate	822-06-0	<1%	10,23,36/37/38,42/43	T
Toluylene diisocyanate	26471-62-5	<1%	26,36/37/38,40,42/43,52/53	T+
Aromatic aliphatic polyisocyanate	63368-95-6	10-25%	43	Xi
Diphenylmethane diisocyanate				
Isomers and homologues	26447-40-5	<1%	20,36/37/38,42/43	Xn
Dibutyltin dilaurate	77-58-7	<0.25%	22-36/38-48/22-50/53	Xn ;N

3.

Hazards identification	
Specific hazards	
R-phrases	Description
R20	Harmful by inhalation
R36	Irritating to the eyes
42/43	May cause sensitization by inhalation and skin contact
66	Repeated exposure may cause skin dryness or cracking

4.

First-Aid measures	
Inhalation	Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration. Give nothing by mouth. If unconscious place in recovery position and seek medical advice.
Skin	Remove contaminated clothing. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners.
Eyes	Remove contact lenses, irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart and seek medical advice.
Ingestion	If accidentally swallowed obtain immediate medical attention. Keep at rest. DO NOT induce vomiting.
General	In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

5.

Fire-Fighting measures	
Extinguishing media	
Use	Water spray, CO₂, powders, foam
Don't use	Water jet
Use an appropriate breathing apparatus. Cool closed containers exposed to fire with water. Vapours may explode if they are inflamed in closed area.	

6.

Accidental release measures	
Personal precautions	
Wear appropriate equipment as described in § 8.	
Environmental precautions	
Do not allow to enter drains or watercourses. If the product contaminates lakes, rivers or sewage, inform appropriate authorities in accordance with local regulations.	
Methods for cleaning-up	
Collect spillage with non-combustible absorbent materials, (sand, vermiculite) and place in container. One possible decontaminant comprises: Water/Ethanol or IPA/Ammonia solution (45/50/5 by volume)	

7.

Handling and storage	
Handling	Persons with a history of asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this preparation is used. Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. In addition, the product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Preparation may charge electrostatically: always use earthing leads when transferring from one container to another. Operators should wear anti-static footwear and clothing and floors should be of the conducting type.
Storage	Store in a dry, well ventilated area between +5 and +25°C and place away from sources of heat and direct sunlight. Keep away from oxidising agent, from strongly acid materials as well as amines. No smoking. Prevent unauthorised access. Containers which are opened must be carefully resealed.

8.

Exposure controls/personal protection				
Name	VME (8h/j)		VLE(15 min)	
	ppm	mg/m ³	ppm	mg/m ³
Butyl acetate	150	710	200	940
Ethyl acetate	400	1400		
Xylene	100	435	150	650
Hexamethylene diisocyanate	0.01	0.075	0.02	0.15
Toluylene diisocyanate	0.01	0.08	0.02	0.16
Diphenylmethane diisocyanate	0.01	0.1	0.02	0.2
Protection				
Respiratory protection	:Do not inhale vapours. Provide adequate ventilation with a good general extraction.			
Eye and skin protection	:Avoid skin/eye contact. Use safety eyewear, neoprene gloves and closed protective clothing			
Protection during working	:Smoking, eating are prohibited in application area. Wash the hands after working.			
	:Do not touch eyes with dirty hands.			

9.

Physical and chemical properties			
Physical state	Liquid	PH	N/A
Form	Can	Log P octanol/water	
Color	Black	Solubility in water	No reaction
Temperatures		Solubility in organic solvents	Partly
Melting point		Vapour tension	9.72 KPA at 20° C
Boiling point		Vapour density	
Flash point	10°c	Density	1.03 g/ml
Autoignition		Conductivity	
Explosion range lower	2.2%	Odour	PA
Explosion range upper		VOC content	47/48% weight

10.

Stability and reactivity	
The preparation is stable under recommended storage and handling conditions (see section7)	Hazardous decomposition products. :During polymerisation: CO₂, which in closed containers can result in pressurisation. In case of fire : isocyanates, carbon monoxide and dioxide, smoke, oxides of nitrogen, hydrogen cyanide.

11.

Toxicological information	
LD/LC Value	Diphenylmethane 4.4' diisocyanate Acute Oral LD50 rat (mg/kg) >15000 Acute Inhalation LC50 rat (mg/1/4h) 0.49 Ethyle acetate Acute Oral LD50 rat (mg/kg) 5600 Acute Inhalation LC50 rat (mg/1/4h) 56000 Xylene Acute Oral LD50 rat (mg/kg) 4300 Methoxy methylethyl acetate Acute Oral LD50 rat (mg/kg) 8500 Acute Inhalation rat (mg/1/4h) 35.7
Inhalation	Based on the properties of the isocyanate components and considering toxicological data on similar preparations, this preparation may cause acute irritation and sensitization of the respiratory system leading to an asthmatic condition, wheeziness and a tightness of the chest. Sensitized persons may subsequently show asthmatic symptoms when exposed to atmospheric conditions well below the OEL. Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on kidney, liver and central nervous system. Symptoms signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness
Skin	Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non allergic contact dermatitis and absorption through the skin.
Eyes	The liquid splashed in the eyes may cause irritation and reversable damage

12.

Ecological information	
The preparation has been assessed following the conventional method of the Dangerous Preparations Directive (1999/45/EC) and classified not dangerous for the environment. The product should not be allowed to enter drains or water courses.	
Ecotoxicity	The product should not be allowed to enter drains or water courses

13.

Disposal information	
Product	In accordance with federal. National and local legislation.
Disposal code	080409

14.

Transport information			
Special precautions			
Classifications			
SEA IMDG	Page 3220; N0 ONU 1263; Class 3.2; Number 11; Identif 3-07	ROAD ADR	Clas 3.2; Number 3 b); Code 33; Label 3
AIR ICAO/IATA	Class 3; Number 11		

15.

Regulatory information	
In accordance with 67/548/CE et 99/45/CE	
Contains	Isocyanates – See information supplied by the manufacturers, this information is supplied in the present safety data sheet Diphenylmethane diisocyanate, isomeres and homologues Aromatic aliphatic Polyisocyanate
Symbol	Xn : Harmful F: Highly Flammable
R-phrases	20 – Harmful by inhalation 36 – Irritating to eyes 42/43 – May cause sensitization by inhalation and skin contact 66 – Repeated exposure may cause skin dryness or cracking
S-phrases	23 – Do not breathe vapours 36/37 – Wear suitable protective clothing, gloves 45 – in case of accident or if you feel unwell, seek medical advice immediately (show label where possible)

16.

Other information		
Creation date	01.05.09	Production Management
Replace sheet of	05.01.09	Phill Blowers

Professional table : n°4bis, 62, 84

Text of R-Statements listed in ingredients(§2)

R10 - Flammable

R11 - Highly flammable

R20/21 – Harmful by inhalation, and in contact with skin

R23 – Toxic by inhalation

R26 – Very toxic by inhalation

R36/37/38 – Irritating to eyes, respiratory system and skin

R40 – Limited evidence of a carcinogenic effect

R42/43 - may cause sensitization by inhalation and skin contact

48/22 – Harmful; danger of serious damage to health by prolonged exposure if swallowed

R52/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

R66 – Repeated exposure may cause skin dryness or cracking

R67 – Vapours may cause drowsiness and dizziness

Modified sections in this revision :2.16

I = unknown PA = Not concerned SF = Secret of process

This leaflet is for general guidance only and may contain inappropriate information under particular conditions. Samples will be provided on request to enable customers to satisfy themselves as to the suitability of the product for any specific purpose and to assess the product under their own working conditions.