



MATERIAL SAFETY DATA SHEET

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MSDS No: 2001/14

VERSION No: 003

DATE: Sept 2001

HILTI CA 273 Medium Setting Adhesive Paste

Hazardous according to criteria of Worksafe Australia

IDENTIFICATION

Product Name:	HilTI CA 273 Medium Setting Adhesive Paste		
Other Name:	2,012,120,122		
Chemical Type:	Part A: Formulated Epoxy Resin Part B: Amine Adduct formulated with inorganic fillers		
PSN:	Not Applicable	Ident No:	A: 011076900
U.N. Number:	Free (A, B)	Hazchem Code:	N/A
Dangerous Goods Class:	N/A	Poisons Schedule:	A: N/A B: 5
Subsidiary Risk:	Not Applicable	Non-Acute Hazard Code:	Not Applicable
Packaging Group:	N/A		
Primary Use:	For the bonding and repairing of major materials of construction including concrete, timber, masonry, etc.		

PHYSICAL DESCRIPTION / PROPERTIES

Form:	Part A: White Paste Part B: Black Paste		
Density:	A = 1.5 g/cm ³ B: = 1.47 g/cm ³		
Solubility in Water:	Insoluble	pH:	N/A
Flash Point:	Part A: 172°C Part B: > 140°C (closed cup)		
Vapour Pressure:	B: < 20 Pa @ 20 C	Boiling Point:	N/A

INGREDIENTS (Where Dangerous or Scheduled)

Chemical Entity	Cas No.	Proportion
PART A:		
Resin DGBA 0.1N	23068-38-6	medium
Resin DGBA 0.1N	53492-52-9	low
Reactive Diluent BDDGE	2425-79-8	low
Resin DGBF 0.1N	53492-52-9	low
PART B:		
Silica Flour	14808-60-7	50-70%
Polyamine Adduct	63845-20-5	25-40%
Phenol	108-95-2	0-5%

HEALTH HAZARD INFORMATION

HEALTH EFFECTS OF OVER EXPOSURE

Swallowed:	Irritant to gastro-intestinal track	Oral/Rat LD50:	Part A: > 10000 mg/kg Part B: > 1500 mg/kg
Eye:	A: Slight B: Severe irritant		
Skin:	Moderate irritant (A&B)		
Inhaled:	Slight Irritant (A and B)		

Chronic: Susceptible individuals may develop allergic reactions such as dermatitis or asthma-like symptoms on a single significant skin exposure or may become sensitised to the material on repeated contact.

FIRST AID ** TAKE COPY OF THIS MSDS TO THE DOCTOR **

Swallowed:	Do not induce vomiting. Give a glass of water.		
Eye:	Hold eyes open, flood with water for at least 15 minutes. See a doctor.		
Skin:	Remove contaminated clothing and wash skin thoroughly with soap and water.		
Inhaled:	Allergic response (irritation, wheezing etc) see a doctor.		
Advice to Doctor:	Treat symptomatically.		
Specific Antidote:	None	Possible Delayed Effect:	None

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PRECAUTIONS FOR USE

Exposure Limits:	TLV (Worksafe / ACGIH) = N/A
Note:	STEL (Worksafe/ACGIH) = N/A
Avoid exceeding exposure limits by use of ventilation and/or personal protection.	
Ventilation:	Wherever possible, the workplace must be ventilated sufficiently to ensure that exposure limits are met. State regulations on speed and direction of airflow away from operators must be observed.
Personal Protection:	Avoid contact with skin and eyes by wearing the following (where indicated).
Gloves:	Recommended
Eye Protection:	Recommended
Overalls:	N/A
Other:	N/A
Where sufficient ventilation is not available, avoid breathing dust or vapour by wearing the following AS 1716 approved respiratory protection (where indicated):	
Flammability:	Keep away from sources of ignition. NO DO NOT SMOKE
Use only in flameproof area: N/A	

SAFE HANDLING INFORMATION**STORAGE & TRANSPORT**

Maximum Temperature:	35°C	Minimum Temperature:	5°C
Out of Weather/Sunlight:	No	In Special Store:	No
Incompatible DG Classes:	None	Incompatible Receptacle:	None
Incompatible Substances:	None	IMDG Reference:	Free
IATA Class:	Free		
Emergency Procedure Guide Date:	N/A		

SPILLS & DISPOSALS

In case of spill, wear personal protection as indicated above.

Sweep Up First:	No	Wash Down with Detergent/Water:	No
Absorb in Dry Inert Material:	Yes	Secure Land Fill:	No
Dispose of all waste according to state regulations.			
Land Fill:	No	High Temp. Incineration:	Yes
Incineration:	No		

Note: If in doubt, contact Hilti telephone No. on page 1.

FIRE/EXPLOSION HAZARD

Extinguishing Media:	Dry chemical powder, CO ₂ , Foam, Water Mist		
Lower Explosion Limit:	N/A	Upper Explosion Limit:	N/A
May Decompose Explosively:	No	Dust Explosion Hazard:	No
Hazardous Decomposition Products:	Toxic fumes, Carbon dioxide, Carbon monoxide, Organic compounds, and acids.		
General:	Do not eat, drink or smoke whilst handling. Irritating to the eyes and skin. May cause allergic sensitisation by skin contact or inhalation. Avoid contact with skin. If cured material is to be cut or sanded, wear appropriate dust mask (class L, disposable).		

ECOLOGICAL INFORMATION

Prevent Spillage From Entering Waterways or Drains.

Special Particulars: Product has a high viscosity and is insoluble in water and hence poses a low environmental hazard.

FURTHER INFORMATION

EEC classification / labelling: Xi

R-phrase: R36/38: Irritating to eyes and skin.

R43: May cause sensitisation by skin contact.

S-phrase: S28: After contact with skin, wash immediately with plenty of soap and water.

S37/39: Wear Suitable gloves and eye/face protection.

FOLLOW GOOD WORKING PRACTICE:**HANDLE WITH CARE, AVOID INGESTION, INHALATION, EYE OR SKIN CONTACT**

SINCE WE CANNOT ANTICIPATE OR CONTROL THE MANY DIFFERENT CONDITIONS UNDER WHICH THIS INFORMATION & OUR PRODUCTS MAY BE USED, EACH USER SHOULD REVIEW THESE RECOMMENDATIONS IN THE SPECIFIC CONTEXT OF THE INTENDED APPLICATION & CONFIRM THAT THEY ARE APPROPRIATE.