



Material SAFETY DATA SHEET

Quickmast 110 - Hardener

1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: **Quickmast 110 - Hardener**

Description: Hardener component of two part polyurethane injection repair system

Manufacturer: **Ayla Construction Chemicals**
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MSDS Number: DCP/04/03/20-H

2: COMPOSITION / INFORMATION ON INGREDIENTS

Composition: Polyurethane hardener.

Hazardous Ingredient(s)	Symbol	Risk Phrases	CAS No.	%
Amin based catalyst	C, N	R22, 34, 50	-	25 - 50

Refer to Section 8 for Occupational Exposure Limits.

3: HAZARDS IDENTIFICATION

Hazard Information: Harmful if swallowed.
Causes burns.
Very toxic to aquatic organisms.

Classification: C, N. R22, 34, 50

4: FIRST AID MEASURES

Eyes: Irrigate immediately with copious quantities of water for 15 minutes. Obtain medical attention.

Skin: Wash immediately with soap and water.

Inhalation: Remove from exposure, obtain medical attention if respiratory irritation develops or if breathing becomes difficult.

Ingestion: Rinse mouth thoroughly. Drink plenty of water. Obtain medical attention immediately.



5: FIRE FIGHTING MEASURES

Flash Point (Closed Cup) :	> 100°C.
Extinguishing Media:	Carbon dioxide, powder, foam or water.
Personal Protective Equipment:	Same as for surrounding fire.
Special Exposure Hazards:	None determined.

6: ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Wear suitable protective clothing, gloves and eye/face protection.
Environmental Precautions:	Prevent entry into drains, sewers and water courses.
Decontamination Procedures:	Soak up with inert absorbent such as sand, saw dust, etc. Gather into labeled containers. Dispose off as applicable regulations.

7: HANDLING AND STORAGE

Handling:	Maintain good standards of personal hygiene. Avoid skin and eye contact. Ensure adequate ventilation. Prevent formation of aerosols.
Storage:	Keep container tightly closed in a cool dry area.

8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Eye Protection:	Safety glasses/goggles- tightly sealed.
Skin Protection:	Impervious gloves (e.g. PVC). Suitable protective clothing.
Respiratory Protection:	For brief exposure use respiratory filter device. For long exposure use self-contained respiratory protective device.
Hygiene Measures:	Change contaminated clothing and clean before re-use. Keep away from food stuff. Wash hands before after finishing work with the material.
Engineering Controls:	Use only in well ventilated area.
Exposure Guidelines:	None assigned.



9: PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid
Colour:	Colourless
Odour:	Amine-like
pH (concentrate):	9.8
Flash Point (closed cup) (°C) :	> 100
Ignition temperature (°C):	420
Explosive Properties (%):	Lower (by volume) 0.8 Upper (by volume) 3.2
Relative Density (@25°C):	0.957
Water Solubility:	Not miscible

10: STABILITY AND REACTIVITY

Stability:	Stable: reacts with compounds containing amino, hydroxyl or carboxyl groups to give stable, cross linked materials.
Conditions to Avoid:	None Known.
Chemical Incompatibility:	No dangerous reactions known.
Hazardous Decomposition Products:	Not determined.

11: TOXICOLOGICAL INFORMATION

The following toxicological assessment is based on knowledge of the toxicity of the product's components.
Acute Oral effect LD50 \cong 2000 mg/kg (rat).

Health Effects

On Eyes:	Strong caustic effect.
On Skin:	Caustic effect on skin and mucous membranes.
By Ingestion:	Strong caustic effect on mouth and throat and to the danger of esophagus and stomach.
Sensitization:	No sensitizing effects known.

12: ECOLOGICAL INFORMATION

Environmental Assessment:	When used and disposed as intended, no adverse environmental effects are foreseen. Danger to drinking water even if small quantities leak into the ground.
Mobility:	Liquid. Insoluble in water.
Acute Fish Toxicity:	Very toxic to fish.

13: DISPOSAL CONSIDERATION

Disposal must be in accordance with local and national legislation.

Unused Product: Dispose off through an authorized waste contractor to a licensed site.

Used/ Contaminated Product: As for unused product.

Packaging: Must be disposed off through an authorized waste contractor.

14: TRANSPORT INFORMATION



UN Number: 1760

Proper shipping name: Corrosive liquid n.o.s (Hexadecyldimethylamine)

Marine pollutant: No

Transport Type:		Class:	Pack Group:
At Sea	IMO	8	III
Air Transport	IATA/ICAO	8	III
At land	RID/ADR	8	III

15: REGULATORY INFORMATION

Hazard Label Data:

C



Corrosive

N



Dangerous for
the environment

Named Ingredients:

Hexadecyldimethylamine

UN Number:

1760

Risk Phrases:

R22	Harmful if swallowed.
R34	Causes burns.
R50	Very toxic to aquatic organisms.

Safety Phrases:

S20	When using do not eat or drink.
S23	Do not breathe gas/fumes/vapour/spray.
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.
S45	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
S57	Use appropriate container to avoid environmental contamination.

16: OTHER INFORMATION

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18/06/2008

Revised Date:

Disclaimer:

The information contained herein is derived from the best available sources and is believed to be accurate. However, no guarantee is expressed or implied regarding the accuracy of the data given in the use of this product.