Material SAFETY DATA SHEET
Quickmast SB - Hardener

1: PRODUCT AND COMPANY IDENTIFICATION

Product Name:	**Quickmast SB - Hardener**
Description:	Hardener component of two parts epoxy adhesive
Manufacturer:	**Don Construction Products**
	P.O. Box 24839, Doha, Qatar
	Tel. + 974 4 411 4004 Fax: + 974 4 411 4014
	www.dcp-int.com
Date Prepared:	28.05.2008
MSDS Number:	DCP/09/04/16-H

2: COMPOSITION / INFORMATION ON INGREDIENTS

Composition: Epoxy curing agent, silica fillers, pigment.

Hazardous Ingredient(s)	Symbol	Risk Phrases	CAS No.	%
Epoxy hardener	C, N	R20/21/22, 34, 43, 50/53	140-31-8	30

Refer to Section 8 for Occupational Exposure Limits.

3: HAZARDS IDENTIFICATION

Hazard Information: Harmful by inhalation, in contact with skin and if swallowed.
Causes burns.
May cause sensitization by skin contact.
Very toxic to aquatic organism, may cause long-term affects in the aquatic environment.

Classification: C, N, R21/22, 34, 43, 50/53

4: FIRST AID MEASURES

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

Skin: Wash immediately with soap and water or suitable skin cleanser. Remove contaminated clothes and shoes. Obtain medical advice if irritation persists.

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

Ingestion: Drink plenty of water. Do not induce vomiting. Obtain medical attention. Beware of aspiration if vomiting occurs.

5: FIRE FIGHTING MEASURES

Flash Point (Closed Cup):	> 130°C.
Extinguishing Media:	Carbon dioxide, powder, foam.
Personal Protective Equipment:	Self-contained breathing apparatus-face shield. Standard aluminized suit.
Special Exposure Hazards:	May generate ammonia gases and nitrogen oxides gases.

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 like sand. 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. Do not eat, drink or smoke whilst using this product. Ensure adequate ventilation.
Storage:	Keep container tightly closed in a cool dry area. Keep away from food containers.

8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Eye Protection:	Tightly sealed safety glasses/goggles.
Skin Protection:	Impervious gloves, Neoprene, Nitrile rubber. Suitable protective clothing.
Respiratory Protection:	Breathing filters apparatus.
Hygiene Measures:	Change contaminated clothing and clean before re-use.
Engineering Controls:	Use only in well ventilated area. Local exhaust ventilation is recommended.
Exposure Guidelines:	None assigned.

9: PHYSICAL AND CHEMICAL PROPERTIES

Form:	Thixotropic liquid
Colour:	Black
Odour:	Sharp/Amine
pH (concentrate):	Not applicable
Boiling Point (°C):	Not applicable
Flash Point (closed cup) (°C):	> 130
Autoflammability (°C):	Not determined
Vapour Pressure (KPa @20°C):	< 0.02
Relative Density (@25°C):	1.50 – 1.70
Water Solubility:	Not miscible or difficult to mix

10: STABILITY AND REACTIVITY

Stability:	Stable if used as directed.
Conditions to Avoid:	Temperature below 5°C.
Chemical Incompatibility:	Strong oxidizing agents. Sodium hypochlorite, organic acids.
Hazardous Decomposition Products:	Thermal decomposition yield ammonia gases and nitrogen oxides gases.

11: TOXICOLOGICAL INFORMATION

The following toxicological assessment is based on knowledge of the toxicity of the product's components. Classified as skin sensitizer.

Health Effects

On Eyes:	Strong caustic effect.
On Skin:	Caustic effect on skin and mucous membranes.
By Inhalation:	Harmful by inhalation. May cause respiratory irritation.
By Ingestion:	Harmful if swallowed.
Chronic:	Repeated and prolonged skin contact will result in severe irritation leading to burns.

12: ECOLOGICAL INFORMATION

Environmental Assessment:	When used and disposed as intended, no adverse environmental effects are foreseen.
Mobility:	Thixotropic liquid. Insoluble in water.
Degradability:	Not readily biodegradable.
Bioaccumulation:	Not Known.
Acute Fish Toxicity:	Ecotoxic to fish/daphnia/algae.

13: DISPOSAL CONSIDERATION

Disposal must be in accordance with local and national legislation.

Unused Product:	Classified as a special waste. May be reacted with base component to give an inert polymeric material.
Used/ Contaminated Product:	As for unused product.
Packaging:	Must be disposed off through an authorized waste contractor.

14: TRANSPORT INFORMATION

UN Number:	1760
Transport Name:	Liquid, corrosive, n.o.s.

Transport Type:		Class:	Pack Group:	Marine Pollutant
At Sea	IMO	8	II	No
Air Transport	IATA/ICAO	8	II	
At land	RID/ADR	8	II	

15: REGULATORY INFORMATION

Hazard Label Data: **C** **N**

Corrosive

Dangerous for the environment

Named Ingredients: 2-piperazin-1-ylethylamine

Nonylphenol

UN Number: 1760

Risk Phrases:

R20/21/22	Harmful in contact with skin and if swallowed.
R34	Causes burns
R43	May cause sensitization by skin contact.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse in the aquatic environment.

Safety Phrases:

S24/25	Avoid contact with skin and eyes.
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S37/39	Wear suitable gloves and eye/face protection.
S45	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

16: OTHER INFORMATION

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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.