



Material SAFETY DATA SHEET

Quickmast SBA - Hardener

1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: **Quickmast SBA - Hardener**

Description: Hardener component of two part solvent free, epoxy adhesive for segmental concrete bridges

Manufacturer: **Don Construction Chemicals India LTD**
Tel. +914426185340/41/42
www.dcp-int.com

Date Prepared: 11.11.2013

MSDS Number: DCP-IND/09/03-H

2: COMPOSITION / INFORMATION ON INGREDIENTS

Composition: Epoxy curing agent, non-reactive diluents and filler.

Hazardous Ingredient(s)	Symbol	Risk Phrases	CAS No.	%
Polyamide resin	Xi	R36/38, 43, 52/53	-	10 – 30
Free amines, Triethylene tetramine	Xn, C	R21, 34, 43, 52/53	112-24-3	10 - 30
3-aminomethyl-3,5,5-trimethylcyclohexylamineXn,	Xn, C	R21/22, 34, 43, 52/53	2855-13-2	10 - 30

Refer to Section 8 for Occupational Exposure Limits.

3: HAZARDS IDENTIFICATION

Hazard Information: Harmful in contact with skin.
Causes burns.
Irritating to eyes and respiratory system.
May cause sensitization by skin contact.
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Classification: Xn, C. R21, 34, 36/38, 43, 52/53.

4: FIRST AID MEASURES

Eyes:	Irrigate immediately with copious quantities of water for 15 minutes, Eyelids should be held away from the eyeball to ensure thorough rinsing. Obtain medical attention if irritation persists.
Skin:	Wash thoroughly with soap and water or suitable skin cleanser as soon as possible. Remove contaminated clothing. Obtain medical advice if skin disorder develop.
Inhalation:	Move to fresh air. Obtain medical attention if needed.
Ingestion:	Immediately give plenty of water (if possible charcoal slurry). If a person vomits when lying on his back, place him in a recovery position. Administer oxygen or artificial respiration if needed. Do not induce vomiting. Obtain medical advice.

5: FIRE FIGHTING MEASURES

Flash Point:	> 200°C.
Special Exposure Hazards:	In case of fire toxic fumes will be formed (amines), carbon oxides and nitrogen oxides.
Extinguishing Media:	Powder, carbon dioxide, foam, water mist (only large amounts).
Personal Protective Equipment:	Wear protective clothing and use self-contained breathing apparatus.

6: ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Put on adequate protective equipment.
Environmental Precautions:	Keep away from drains, surface-water, ground-water and soil.
Decontamination Procedures:	Collect as much as possible in a container for disposal. Cover the remainder with inert absorbent. Disposal according to local regulations.

7: HANDLING AND STORAGE

Handling:	Do not breathe vapour. Avoid contact with skin and eyes.
Storage:	Keep in a dry cool ventilated place. Direct sunshine should be avoided. Keep away from ignition sources – No smoking. Keep container tightly closed. Keep away from food, drinks and animal food. Keep at temperatures between 2°C and 40°C

8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Ingestion:	Prevent eating, drinking or smoking in the area of product use.
Eye Contact:	Safety glasses or chemical goggles.
Skin Contact:	Impervious gloves (e.g. PVC).
Inhalation:	When mist occurs during spraying operations, wear suitable respiratory protective equipment.
Respiratory Protection:	In case of insufficient ventilation, wear suitable equipment.
Engineering Controls:	Use only in well ventilated areas. Local exhaust ventilation is recommended.

9: PHYSICAL AND CHEMICAL PROPERTIES

Form:	Viscous liquid
Colour:	Black
Odour:	Mild amines
Flash Point (closed cup) (°C):	> 200
Boiling Point (°C):	Not applicable
Explosive Properties (%):	Not applicable
Freezing Point (°C):	Not applicable
Relative Density (@25°C):	0.95 – 1.05
Water Solubility:	Insoluble

10: STABILITY AND REACTIVITY

Stability:	Stable.
Conditions to Avoid:	Excessive heating. Direct sunshine should be avoided.
Chemical Incompatibility:	Acids, Reacts violently with oxidizing agents.
Hazardous Decomposition Products:	Noxious fumes, carbon oxides, nitrogen oxides.

11: TOXICOLOGICAL INFORMATION

The following toxicological assessment is based on knowledge of the toxicity of the product's components.
Expected oral LD50, rat > 1030 mg/kg

Health Effects

On Eyes:	Irritant.
On Skin:	Irritant.
By Inhalation:	Irritant.
By Ingestion:	Irritant.
Chronic:	Not applicable.

12: ECOLOGICAL INFORMATION

Environmental Assessment:	When used and disposed off as intended, no adverse environmental effects are foreseen.
Mobility:	Not applicable.
Degradability:	Not applicable.
Bioaccumulation:	Bioaccumulative potential.
Acute Fish Toxicity:	May cause long-term adverse effects in the aquatic environment.

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:	May be steam cleaned and recycled.

14: TRANSPORT INFORMATION



UN/SI Number: 2289

Transport Name: Corrosive substances, Isophoronediamine

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

15: REGULATORY INFORMATION

Hazard Label Data:

Xn



Harmful

C



Corrosive

Contains: 3-aminomethyl-3,5,5-trimethylcyclohexylamine

UN number: 2289

Risk Phrases:

R21	Harmful in contact with skin.
R34	Causes burns.
R36/38	Irritating to eyes and respiratory system.
R43	May cause sensitization by skin contact.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects 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.
S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.



16: OTHER INFORMATION

Issue Date: 11/11/2013

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.