

Material Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION**Masterflow 400 Hardener**

Produced / distributed by

BASF Construction Chemical India Pvt. Ltd.C-68, MIDC, Thane Belapur Road,
Turbhe, Navi Mumbai - 400 613
Tel : 27619992/3, 65164071**2. COMPOSITION / INFORMATION ON INGREDIENTS**

Chemical characterization

Polyamine resins

3. POTENTIAL HAZARDS

Hazards information

Toxic to aquatic organisms. May cause long term adverse effects in the aquatic environment. Causes burns, skin sensitization and irritating to eyes. Harmful by inhalation.

4. FIRST AID MEASURES

First aid

- Eye contact

Keep eyelids open, remove eye lenses. Flush immediately with plenty of water for at least 15 minutes. Get medical attention.

- Skin Contact

Remove contaminated clothes immediately. Wash affected area with soap and plenty of water. Do not use solvents and thinners.

- Inhalation

Remove affected person to fresh air. If symptoms persist obtain medical attention.

- Ingestion

Drink water/milk. If swallowed obtain medical attention. Induce vomiting only on advice of physician.

5. FIRE FIGHTING MEASURES

Extinguish media

Suitable

Carbon dioxide, foam, powder extinguisher and water fog. Water must be disposed in accordance with local regulations.

Unsuitable

Water jet.

Combustion products

Carbon monoxide, carbon dioxide, corrosive gases, ammonia, oxides of nitrogen and smoke

6. ACCIDENTAL RELEASE MEASURE

Personal precautions

Remove ignition sources. Provide sufficient ventilation. Do not inhale vapours.

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Environmental precautions

Do empty into drains. If the product contaminates lakes, rivers or sewages, inform appropriate authorities in accordance with local regulations immediately.

After spillage/leakage

Contain or collect spillage with non-combustible absorbent materials such as sand, earth, vermiculite and place in a container for disposal in accordance with local regulations. Clean with detergent and water. Avoid use of solvents and thinners.

7. HANDLING AND STORAGE

Precautions to be taken during storage

Store in shaded areas and away from direct sunlight. Protect from extremes of heat and cold. Use in ventilated areas only. Containers should be kept dry and sealed. Containers which are opened must be re-sealed and kept upright.

Information about incompatible products

Keep away from oxidizing agents, alcohols and amines, strong alkaline and strong acidic materials.

Information for safe handling

Take precautionary measures against static discharges. Avoid contact with skin, eyes. Do not eat, drink while handling.

Protection against fire and Explosion

No special measures necessary

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits.

MAK (DFG, 1997)

Personal Protective equipment

- Respiratory protection
- Eye protection
- Skin protection
- Other

Provision for good ventilation

Safety goggles.

Impervious gloves

Plastic apron, face shield, hat, boots, Observe the usual precautions when handling chemicals.

Industrial Hygiene

Wash hands before breaks and after finishing work. Do not eat, drink or smoke at workplace.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form

Liquid

Color

Pale yellow

Odor

Characteristics

Change in physical state

- Boiling point (°C)

> 200

- Melting point (°C)

N/A

Flash Point (°C)

> 100

Autoignition temperature

N/A

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Date – January 2007

Version – BCCI 01

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Explosion limits	N/A
- lower	
- upper	
Thermal decomposition	N/A
Specific gravity (25°C)	≈ 0.95
Vapor pressure, mbar	N/A
Viscosity (25°C)	≈ 50 cPs
pH value (25°C)	N/A
Solubility in water (25°C)	N/A

10. STABILITY AND REACTIVITY

Hazardous decomposition products	Carbon monoxide, carbon dioxide, corrosive gases, ammonia, oxides of nitrogen and smoke.
Hazardous reactions	Exothermic reaction with epoxy resins, isocyanates, acids.

11. INFORMATION ON TOXICITY

Product not tested for toxicological effects.
The product causes skin corrosion and serious damage to eyes. Prolonged inhalation of vapours in high concentration may cause giddiness, headache and nausea.

12. INFORMATION ON ECOLOGICAL EFFECTS

Do not discharge product into natural water.

13. DISPOSAL

If spills, prevent entering sewers or storm water drains or water ways because the product can be injurious to aquatic life. Absorb with dry sand, earth, vermiculite. Collect in plastic bags and bury in landfill OR mix separate product components in ratio as supplied and not exceeding single pack size quantities, in suitable metal containers, bury in landfill as per norms by local regulations.

14. TRANSPORT

Land Transport RID/ADR UN No	Not regulated for transportation
Maritime Transport IMDG Code GGVE/GGVS	Not regulated for transportation
Air Transport ICAO/IATA ADNR Other Information	Not regulated for transportation Environmentally hazardous substance,

15. REGULATIONS

Labelling	According to EEC directives concerning preparation.	
Symbol	C, Corrosive	
R Phrase(s)	R34	Causes burns, harmful by inhalation
	R43	May cause skin sensitization by skin contact

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S Phrase(s)	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.
	S28	After contact with skin, wash immediately with soap and plenty of water.
	S36/37/39	Wear suitable gloves, clothing and eye/face protection.
	S51	Use only in well ventilated areas. The material is not subject to special labeling.

16. OTHER INFORMATION

The above data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.