



# Material SAFETY DATA SHEET

## Quickmast EP200WD – Hardener

### 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: **Quickmast EP200WD - Hardener**

Description: Water dispersible epoxy based tile adhesive and grout

Manufacturer: **Ayla Construction Chemicals**  
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Date Prepared: 13.09.10

MSDS Number: DCP/10/01/10-H

### 2: COMPOSITION / INFORMATION ON INGREDIENTS

Composition: Curing agent, wetting and dispersing additive.

| Hazardous Ingredient(s)                    | Symbol | Risk Phrases | CAS No.   | %          |
|--|--------|--------------|-----------|------------|
| Polyaminoamide I                           | -      | -            | -         | 8 - 17     |
| 3,6,9,12-tetraazatetradecamethylenediamine | -      | -            | 4067-16-7 | 0.25 - 1.5 |
| Polyamine amide salt                       | -      | -            | -         | 0.5-1      |
| Xylene, mixture of isomers                 | -      | -            | 1330-20-7 | 0.3-0.5    |
| Ethylbenzene                               | -      | -            | 100-41-4  | <0.1       |

Refer to Section 8 for Occupational Exposure Limits.

### 3: HAZARDS IDENTIFICATION

Hazard Information: Harmful by inhalation and if swallowed.  
Irritating to respiratory system and skin.  
Risk of serious damage to eyes.  
May cause sensitization by skin contact.  
Very Toxic to aquatic organisms, may cause long-term effects in aquatic environment.

Classification: Xi, N. 20/21, 37/38, 41, 43, 50/53



#### 4: FIRST AID MEASURES

|                 |   |
|-----------------|---|
| Eyes:           | Rinse immediately with plenty of water, also under the eyelids for at least 20 minutes. Remove contact lenses. If eye irritation persists, consult a specialist.  |
| Skin:           | Wash off immediately with plenty of water for at least 20 minutes. Immediately remove contaminated clothing, and any extraneous chemical, if possible to do so without delay. Take off contaminated shoe immediately. NOTE TO PHYSICIANS: Application of corticosteroid cream has been effective in treating. |
| Inhalation:     | Move to fresh air. If breathing has stopped or is labored, give assisted respirations. Supplemental oxygen may be indicated. If the heart has stopped, trained personnel should begin cardiopulmonary resuscitation immediately. Move to fresh air.   |
| Ingestion:      | Rinse mouth. If a person vomits when lying on his back, place him in the recovery position. Prevent aspiration of vomit. Turn victim's head to the side. Do not give milk or alcoholic Beverages. Never give anything by mouth to an unconscious person. Obtain medical attention.                            |
| General Advice: | Move out of dangerous area. Seek medical advice. If breathing has stopped or is labored, give assisted respirations. Supplemental oxygen may be indicated. If the heart has stopped, trained personnel should begin cardiopulmonary resuscitation immediately.  |

#### 5: FIRE FIGHTING MEASURES

|                                |  |
|--------------------------------|--|
| Flash Point:                   | None.  |
| Special Exposure Hazards:      | <p>May generate ammonia gas. May generate toxic nitrogen oxide gases. Use of water may result in the formation of very toxic aqueous solutions. Do not allow run-off from fire fighting to enter drains or water courses. Incomplete combustion may form carbon monoxide. Ammonia gas may be liberated at high temperatures. In case of incomplete combustion an increased formation of oxides of nitrogen (NOx) is to be expected.</p> <p>Downwind personnel must be evacuated. Burning produces noxious and toxic fumes.</p> |
| Extinguishing Media:           | <p>Alcohol-resistant foam, carbon dioxide (CO<sub>2</sub>), dry chemical. Extinguishing media which shall not be used for safety reasons:</p> <p>High volume water jet.</p>  |
| Personal Protective Equipment: | Use personal protective equipment. Wear self contained breathing apparatus for firefighting if necessary.  |



## 6: ACCIDENTAL RELEASE MEASURES

|                             |  |
|-----------------------------|--|
| Personal Precautions:       | Use self-contained breathing apparatus and chemically protective clothing. Wear suitable protective clothing, gloves and eye/face protection. Evacuate personnel to safe areas. Ensure adequate ventilation. Remove all sources of ignition. |
| Environmental Precautions:  | Do not flush into surface water or sanitary sewer system. Construct a dike to prevent spreading.   |
| Decontamination Procedures: | Dam up with absorbing material, e.g. sand. Take up mechanically; fill into labeled, closable containers. Use the necessary protective equipment when handling.   |

## 7: HANDLING AND STORAGE

|           |  |
|-----------|--|
| Handling: | Emergency showers and eye wash stations should be readily accessible. Adhere to work practice rules established by government regulations. Avoid contact with eyes. Avoid breathing vapors and/or aerosols. Use personal protective equipment. When using, do not eat, drink or smoke. |
| Storage:  | Keep away from alkali. Do not store near acids. Keep containers tightly closed in a dry, cool and well-ventilated place.   |

## 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

|                         |  |
|-------------------------|--|
| Ingestion:              | Prevent eating, drinking or smoking in the area of product use.  |
| Eye Contact:            | Chemical resistant goggles must be worn.   |
| Skin Contact:           | Impervious clothing and gloves. The breakthrough time of the selected glove(s) must be greater than the intended use period. Wear long sleeve shirts and trousers without cuffs. |
| Respiratory Protection: | Wear appropriate respirator when ventilation is inadequate.  |
| Engineering Controls:   | Provide readily accessible eye wash stations and safety showers. Provide natural or explosion-proof ventilation adequate to ensure concentration are kept below exposure limits. |
| Exposure Guidelines:    | Construct a dike to prevent spreading.   |



## 9: PHYSICAL AND CHEMICAL PROPERTIES

|                                |                |
|--------------------------------|----------------|
| Form:                          | Cloudy         |
| Colour:                        | Yellowish      |
| Odour:                         | Characteristic |
| pH (concentrate):              | Not applicable |
| Boiling Point (°C):            | Not applicable |
| Flash Point (closed cup) (°C): | None           |
| Autoflammability (°C):         | Not applicable |
| Explosive Properties (%):      | Not known      |
| Relative Density (@25°C):      | 0.99 - 1.05    |
| Water Solubility:              | Not applicable |

## 10: STABILITY AND REACTIVITY

|                                   |  |
|-----------------------------------|--|
| Stability:                        | Stable under normal conditions.  |
| Conditions to Avoid:              | Heat, flames and sparks.   |
| Chemical Incompatibility:         | Sodium hypochlorite, Organic acids, Mineral acids, Incompatible with bases, Reaction with peroxide may result in violent decomposition of peroxide possibly creating an explosion, Amines, Reducing agents and Oxidizing agents. |
| Hazardous Decomposition Products: | Carbon monoxide, Carbon dioxide, Nitrogen oxides, Nitrogen oxide can react with water vapor to form corrosive nitric acid, Ammonia, Organic acid vapor.  |

## 11: TOXICOLOGICAL INFORMATION

The following toxicological assessment is based on knowledge of the toxicity of the product's components.  
Expected oral LD50, rat > 5000 mg/kg.

### Health Effects

|                |   |
|----------------|---|
| On Eyes:       | Severe eye irritation.                      |
| On Skin:       | Severe skin irritation.                     |
| By Inhalation: | No data is available on the product itself. |
| By Ingestion:  | No data is available on the product itself. |



## 12: ECOLOGICAL INFORMATION

Environmental Assessment: No data available.  
Mobility: No data available.  
Degradability: No data available.  
Bioaccumulation: No data available.  
Acute Fish Toxicity: No data available.

## 13: DISPOSAL CONSIDERATION

Disposal must be in accordance with local and national legislation.

Unused Product: Do not dispose of waste into sewer. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose off in an approved manner. Do not empty into drains, sewers or water courses.

Used/ Contaminated Product: As for unused product.

Packaging: Dispose of container and unused contents in accordance with federal, state, and local requirements.

## 14: TRANSPORT INFORMATION



UN Number: 3082

Proper shipping name: Environmentally hazardous substance, liquid, n.o.s.

| Transport Type: |           | Class: | Pack Group: | Marine Pollutant |
|-----------------|-----------|--------|-------------|------------------|
| At Sea          | IMO       | 9      | III         | No               |
| Air Transport   | IATA/ICAO | 9      | III         |                  |
| At land         | RID/ADR   | 9      | III         |                  |

## 15: REGULATORY INFORMATION

### Hazard Label Data:

**Xi**



**Irritant**

**N**



**Dangerous for the environment**

Symbol (s):

Xi, N

Risk Phrases:

R20/21

Harmful by inhalation, and in contact with skin.

R37/38

Irritating to respiratory system and skin.

R41

Risk of serious damage to eyes.

R43

May cause sensitization by skin contact.

R50/53

Very toxic to aquatic organisms, may cause long-term effects in aquatic environment.

Safety Phrases:

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.

S61

Avoid release to the environment. Refer to special instructions/ safety data sheets.

## 16: OTHER INFORMATION

Issue Date:

13/09/2010

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.