



Material SAFETY DATA SHEET

Strongcoat WD - Hardener

1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: **Strongcoat WD- Hardener**

Description: Hardener component of water dispersed epoxy coating

Manufacturer: **Ayla Lebanon**
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Beirut, Lebanon
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MSDS Number: DCP/05/04/21-H

2: COMPOSITION / INFORMATION ON INGREDIENTS

Composition: Epoxy curing agent, water and fillers.

| Hazardous Ingredient(s) | Symbol | Risk Phrases | CAS No. | % |
|-------------------------|--------|----------------|---------|------|
| Polyaminoamide | Xi, N | R38, 41, 51/53 | | < 20 |

Refer to Section 8 for Occupational Exposure Limits.

3: HAZARDS IDENTIFICATION

Hazard Information: Irritating to skin.
Risk of serious damage to the eyes.
Toxic to aquatic organisms, may cause long-term adverse in the aquatic environment.

Classification: Xi, N. R38, 41, 51/53



4: FIRST AID MEASURES

| | |
|-------------|--|
| Eyes: | Irrigate 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): | > 100°C. |
| Extinguishing Media: | Carbon dioxide, powder, foam or water. |
| Personal Protective Equipment: | Self-contained breathing apparatus. Standard aluminized suit. |
| Special Exposure Hazards: | Carbon oxides, nitrogen oxides, ammonia and organic acid vapors. |

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 (e.g. PVC). 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: | Yellowish to clear |
| Odour: | Ammoniacal |
| pH (concentrate): | Alkaline |
| Boiling Point (°C): | > 100 |
| Flash Point (closed cup) (°C): | > 100 |
| Autoflammability (°C): | Autoignition temperature > 150 |
| Relative Density (@25°C): | 1.19 |
| Water Solubility: | Dispersible |

10: STABILITY AND REACTIVITY

| | |
|-----------------------------------|---|
| Stability: | Stable if used as directed. |
| Conditions to Avoid: | Any source of ignition. Temperature below 0°C. |
| Chemical Incompatibility: | Strong acids. Strong alkalis. Strong oxidizing agents. |
| Hazardous Decomposition Products: | Thermal decomposition yield oxides of carbon, nitrogen compounds. |

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.
Classified as skin sensitizer.

Health Effects

| | |
|----------------|---|
| On Eyes: | Severe irritation. |
| On Skin: | Irritation. |
| By Inhalation: | No Data. |
| By Ingestion: | May cause irritation of mouth, throat and digestive tract. |
| Chronic: | Repeated and prolonged skin contact will result in severe irritation. |

12: ECOLOGICAL INFORMATION

| | |
|---------------------------|--|
| Environmental Assessment: | When used and disposed as intended, no adverse environmental effects are foreseen. |
| Mobility: | Mobile liquid. Insoluble in water. |
| Degradability: | Not readily biodegradable. |
| Bioaccumulation: | Not Known. |
| Acute Fish Toxicity: | Not Known. |

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: Classified as a special waste. Dispose off through an authorized waste contractor to a licensed site.

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

14: TRANSPORT INFORMATION



UN Number: 3082

Transport Name: Environmentally Hazardous substance, liquid n.o.s.

| Transport Type: | | Class: | Pack Group: | Marine Pollutant |
|-----------------|-----------|---------------|-------------|------------------|
| At Sea | IMO | Not dangerous | | No |
| Air Transport | IATA/ICAO | Not dangerous | | |
| At land | RID/ADR | 9 | III | |

15: REGULATORY INFORMATION

Hazard Label Data:

Xi



Irritant

N



Dangerous for the environment

| | | |
|-----------------|-----------|---|
| UN Number: | 3082 | |
| Risk Phrases: | R38 | Irritating to skin. |
| | R41 | Risk of serious damage to the eyes. |
| | R51/53 | 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. |
| | S37/38/39 | Wear suitable protective clothing, gloves and eye/face protection. |

16: OTHER INFORMATION

Issue Date: 31/08/2008 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.