



# Material SAFETY DATA SHEET

## Strongcoat UN201 - Hardener

### 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: **Strongcoat UN201 - Hardener**

Description: Hardener component of two part High build, Solvent free, epoxy floor coating

Manufacturer: **Ayla for Building Materials Industry & Trade**  
Al-Karadeh, Arsat Al-Hindia, Baghdad  
Tel.: +964 790 1488 730  
[www.dcp-int.com](http://www.dcp-int.com)

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### 2: COMPOSITION / INFORMATION ON INGREDIENTS

Composition:	Epoxy resin hardening agent.			
Hazardous Ingredient(s)	Symbol	Risk Phrases	CAS No.	%
3-aminomethyl-3,5,5-tri-methylcyclohexylamine	C, Xn	R21/22, 34, 43, 52/53	2855-13-2	10 - 25
Benzyl alcohol	Xn	R20/22	100-51-6	25 - 50
m-phenylenebis(methylamine)	C, Xn	R34,20/22,34,52/53	1477-55-0	10 - 25
4,4'-Isopropylidenediphenol	Xn, N	R22 , 43 , 51/53	113930-69-1	2.5 - 10
Salicylic acid	Xn	R22, 41	69-72-7	2.5 - 10

Refer to Section 8 for Occupational Exposure Limits.

### 3: HAZARDS IDENTIFICATION

Hazard Information: Corrosive.  
Harmful by inhalation and if swallowed.  
Causes burns.  
May cause sensitisation by skin contact.  
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Classification: C, Xn. R20/22, 34, 43, 52/53.

#### **4: FIRST AID MEASURES**

Eyes:	Rinse opened eye for several minutes under running water. Then consult doctor.
Skin:	Instantly wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor.
Inhalation:	Take affected persons into the open air and position comfortably. Seek medical treatment in case of complaints.
Ingestion:	Drink copious amounts of water and provide fresh air. Instantly call for doctor.

#### **5: FIRE FIGHTING MEASURES**

Flash Point (Closed Cup):	> 100°C.
Extinguishing Media:	CO <sub>2</sub> , extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam. For safety reasons do not use Water with a full water jet.
Personal Protective Equipment:	Put on breathing apparatus.
Special Exposure Hazards:	Toxic gases.

#### **6: ACCIDENTAL RELEASE MEASURES**

Personal Precautions:	Ensure adequate ventilation. Wear protective clothing.
Environmental Precautions:	Prevent entry into ground/soil, sewage system and water bodies.
Decontamination Procedures:	Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose of as applicable regulations.

#### **7: HANDLING AND STORAGE**

Handling:	The usual precautionary measures for handling chemicals must be observed. Ensure good ventilation/exhaustion at the workplace.
Storage:	Store only in the original container. Provide floor trough without outlet. Store away from foodstuffs and Keep container tightly sealed.

## 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:	Combination filter A-P2.
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:	Liquid
Colour:	Yellowish
Odour:	Amine-like
Boiling Point (°C):	> 200
Flash Point (closed cup) (°C):	> 100
Autoflammability (°C):	Product is not self-igniting
Relative Density (@25°C):	1.0 – 1.1
Water Solubility:	Not miscible or difficult to mix

## 10: STABILITY AND REACTIVITY

Stability:	Stable under normal conditions.
Conditions to Avoid:	No further relevant information available.
Chemical Incompatibility:	Acids, alkalis, strong oxidizing agents.
Hazardous Decomposition Products:	Poisonous gases/vapours, Corrosive gases/vapours.

## 11: TOXICOLOGICAL INFORMATION

The following toxicological assessment is based on knowledge of the toxicity of the product's components.  
Expected oral LD50, rat > 890 mg/kg.  
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.
By Ingestion:	Harmful if swallowed. Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

## 12: ECOLOGICAL INFORMATION

Environmental Assessment:	Harmful to aquatic organisms.
Mobility:	Mobile liquid. Insoluble in water.
Degradability:	Not readily biodegradable.
Bioaccumulation:	Not Known.
Acute Fish Toxicity:	Harmful to fish.

## 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:	2735
Transport Name:	Amines, liquid, corrosive, n.o.s.

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

## 15: REGULATORY INFORMATION

### Hazard Label Data:

**C**



**Corrosive**

**Xn**



**Harmful**

### Named Ingredients:

3-aminomethyl-3,5,5-trimethylcyclohexylamine, benzyl alcohol.

### Risk Phrases:

R20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
R34	Causes burns.
R43	May cause sensitisation by skin contact.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### Safety Phrases:

S1	Keep locked up.
S23	Do not breathe dust/fume/gas/mist/vapours/spray.
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S27/28	After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water and soap.
S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.
S45	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
S60	This material and its container must be disposed of as hazardous waste.

## 16: OTHER INFORMATION

### Issue Date:

19/01/2017

### 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.