

# Material SAFETY DATA SHEET Griptop TF - Hardener

#### 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: Griptop TF - Hardener

Description: Hardener part of three component heavy duty modified epoxy

polyurethane system topping for floor surfaces

Manufacturer: Ayla for Building Materials Industry & Trade

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#### 2: COMPOSITION / INFORMATION ON INGREDIENTS

Composition: Curing agents.

Hazardous Ingredient(s)	Symbol	Risk Phrases	CAS No.	%
Polyoxypropylendiamin	Xn, C	R22, 34	9046-10-0	10 - 40
Nonylphenol	Xn, C, N	R22, 34, 62, 50/53, 63	112-24-3	5 - 30
2-piperazin-1-ylethylamine	Xn, C	R21/22, 34, 43, 52/53	140-31-8	5 - 25
2,2'-iminodiethylamine	Xn, C	R21/22, 34, 43	111-40-0	5 - 20
Polyamide resin	Xi	R36/38, 43, 52/53	-	5 – 20
Benzyl alcohol	Xn	R20/22	100-51-6	5 – 18

Refer to Section 8 for Occupational Exposure Limits.

## 3: HAZARDS IDENTIFICATION

Hazard Information: Harmful by inhalation, in contact with skin and if swallowed.

Causes burns.

Irritating to eyes and skin.

May cause sensitization by skin contact.

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

the aquatic environment.

Classification: Xn, C, N. R20/21/22, 34, 36/38, 43, 50/53.

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#### 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: Not applicable.

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 containers securely closed and dry, store at 15 - 20°C. Store only in

unopened original containers. Provide floor trough without outlet.

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## 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: Yellow

Odour: Mild amines

Flash Point (closed cup) (°C): Not applicable

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.

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#### 11: TOXICOLOGICAL INFORMATION

The following toxicological assessment is based on knowledge of the toxicity of the product's components. Expected oral LD50, rat >15 g/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.

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## 14: TRANSPORT INFORMATION



UN Number: 1760

Transport Name: Corrosive liquid, n.o.s. (Polyoxypropylendiamin, nonylphenol ).

Transport Type:		Class:	Pack Group:	Marine Pollutant
At Sea	IMO	8	II	Yes
Air Transport	IATA/ICAO	8	II	
At land	RID/ADR	8	II	



#### 15: REGULATORY INFORMATION

**Hazard Label Data:** C Xn Ν





Harmful

Corrosive

Dangerous for the environment

Contains: Polyoxypropylendiamin

**UN Number:** 1760

Risk Phrases:

R20/21/22 Harmful by inhalation, in contact with skin and if

swallowed.

R34 Causes burns.

R36/38 Irritating to eyes and skin.

R43 May cause sensitization by skin contact.

R50/53 Very toxic 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.

S28 After contact with skin, wash immediately with plenty of

soap and water.

S36/37/39 Wear suitable protective clothing, gloves and eye/face

protection.

In case of accident or if you feel unwell, seek medical **S45** 

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: Revised Date: 23/04/2013

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.

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