



Material SAFETY DATA SHEET

Marmofix - Hardener

1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: **Marmofix - Hardener**

Description: Hardener component of two part quick setting stone putty

Manufacturer: **Ayla Lebanon**
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Beirut, Lebanon
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2: COMPOSITION / INFORMATION ON INGREDIENTS

Composition: Dibenzoyl peroxide, additives.

Hazardous Ingredient(s)	Symbol	Risk Phrases	CAS No.	%
Dibenzoyl peroxide	Xi, O	R7, 36, 43	94-36-0	40 - 70

Refer to Section 8 for Occupational Exposure Limits.

3: HAZARDS IDENTIFICATION

Hazard Information: Oxidizing.
May cause fire.
Irritating to eyes.
May cause sensitisation by skin contact.

Classification: Xi, O. R7, 36, 43.

4: FIRST AID MEASURES

Eyes: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

Skin: Immediately wash with water and soap and rinse thoroughly.

Inhalation: Supply fresh air and to be sure call for a doctor. In case of unconsciousness place patient stably in side position for transportation.

Ingestion: Do not induce vomiting; call for medical help immediately.



5: FIRE FIGHTING MEASURES

Flash Point:	195 °C.
Special Exposure Hazards:	In case of fire, the following can be released: Carbonic anhydride, benzoic acid benzene, biphenyl, phenyl benzoate
Extinguishing Media:	Use fire extinguishing methods suitable to surrounding conditions.
Personal Protective Equipment:	Wear self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear

6: ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Use proper personal protective equipment.
Environmental Precautions:	Keep away from drains, surface-water, ground-water and soil.
Decontamination Procedures:	Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Clean up spills immediately, observing precautions in the Protective Equipment section. Use a spark-proof tool. Provide ventilation.

7: HANDLING AND STORAGE

Handling:	Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use only in a well-ventilated area.
Storage:	Keep away from sources of ignition. Store in a cool place in the original container and protect from sunlight. Keep cool. Keep containers tightly closed. Do not store together with reducing agents, heavy-metal compounds, acids and alkalis.

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:	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.
Exposure Guidelines:	

Component	CAS number	TLV	WEL
Dibenzoyl peroxide	94-36-0	5 mg/m ³	5 mg/m ³

9: PHYSICAL AND CHEMICAL PROPERTIES

Form:	Paste
Colour:	Various
Odour:	Characteristic
Flash Point (°C):	195
Boiling Point (°C):	Not applicable
Explosive Properties (%):	Not applicable
Freezing Point (°C):	Not applicable
Relative Density (@25°C):	1.25 – 1.35
Water Solubility:	Insoluble

10: STABILITY AND REACTIVITY

Stability:	Stable at room temperature in closed containers under normal storage and handling conditions.
Conditions to Avoid:	Visible decomposition with spontaneous ignition on heating.
Chemical Incompatibility:	Reducing agents like amines, acids, alkali, compounds based on heavy metals.
Hazardous Decomposition Products:	Carbon dioxide, benzoic acid, benzene, biphenyl, phenyl benzoate.

11: TOXICOLOGICAL INFORMATION

The following toxicological assessment is based on knowledge of the toxicity of the product's components.
Expected oral LD50, rat > 2000 mg/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:	Not applicable.
Acute Fish Toxicity:	Not applicable.

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.

14: TRANSPORT INFORMATION



UN/SI Number:	3108
Transport Name:	Organic peroxide type E, solid.

Transport Type:		Class:	Pack Group:	Marine Pollutant
At Sea	IMO	5.2	II	No
Air Transport	IATA/ICAO	5.2	II	
At land	RID/ADR	5.2	III	

15: REGULATORY INFORMATION

Hazard Label Data:

Xi



Irritant

O



Oxidising

Contains:

Dibenzoyl peroxide, additives.

Risk Phrases:

R7 May cause fire.
R36 Irritating to eyes.
R43 May cause sensitization by skin contact.

Safety Phrases:

S2 Keep out of the reach of children.
S3/7 Keep container tightly closed in a cool place.
S37/39 Wear suitable gloves and eye/face protection.
S46 If swallowed, seek medical advice immediately and show this container or label.

16: OTHER INFORMATION

Issue Date:

02/03/2014

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.