

## 1. IDENTIFICATION

<b>Product Name</b>	:	UNDERCOAT WHITE BMA
<b>Material Uses</b>	:	Primer for Water Based Coatings
<b>Manufacturer</b>	:	BMA Commercial and Industrial s.a.r.l. Industrial Valley, Ain Saade Nahr El Mot 55091, North Metn Lebanon
<b>Telephone Number</b>	:	+961. 1. 885385 / 485
<b>Emergency Phone Number</b>	:	+961. 1. 885385 / 485
<b>Fax Number</b>	:	+961. 1. 885685
<b>E-mail</b>	:	info@bmapaints.com
<b>Website</b>	:	www.bmapaints.com

## 2. HAZARDS IDENTIFICATION

<b>Physical State</b>	:	White Liquid
<b>Odor</b>	:	Slight Lavender Scent
<b>Eyes</b>	:	May cause eye irritation
<b>Skin</b>	:	Prolonged or repeated contact can cause skin irritation
<b>Inhalation</b>	:	Inhalation of vapor can cause headache, nausea, irritation of nose, throat and lungs

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS Number</u>	<u>% by weight</u>
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Components not listed are not physical or health hazards as defined in 29 CFR 1910.1200 Hazard Communication Standard.

## 4. FIRST-AID MEASURES

<b>Eye Contact</b>	:	Direct contact can cause eye irritation. Flush eyes with large amount of water for at least 15 minutes, holding the eye lids apart. Consult a physician if irritation persists.
<b>Skin Contact</b>	:	Prolonged or repeated contact can cause skin irritation. Wash affected areas thoroughly with soap and water. Consult a physician if irritation persists.
<b>Inhalation</b>	:	Inhalation of vapor can cause headache, nausea, irritation of nose, throat and lungs. Move exposed person to fresh air.
<b>Ingestion</b>	:	If swallowed drink at least 2 glasses of water. Consult a physician.

## 5. FIRE-FIGHTING MEASURES

<b>Flammability of the Product</b>	:	Not Flammable
<b>Products of Combustion</b>	:	Decomposition products may include the following materials: Carbon dioxide Carbon monoxide Nitrogen oxide/oxides
<b>Suitable</b>	:	Dry Chemical, CO <sub>2</sub> or foam.
<b>Not Suitable</b>	:	Do not use water jet.
<b>Special Protective Equipment and precautions for fire-fighters</b>	:	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus.

## 6. ACCIDENTAL RELEASE MEASURES

<b>Protective Equipment</b>	:	Put on appropriate personal protective equipment. (see Section 8)
<b>Methods and materials for containment and cleaning up</b>	:	Contain spills with sand or earth. Remove to suitable container for disposal. Wash area and equipment with water.

## 7. HANDLING AND STORAGE

<b>Precautions for Safe Handling</b>	:	Put on appropriate personal protective equipment. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking.
<b>Conditions for Safe Storage</b>	:	Store in original container protected from direct sunlight in a dry and cool place. Keep container tightly closed and sealed until ready for use.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Components with Workplace Control Parameters

<u>Product name</u>	<u>Exposure Limit</u>
Ammonia	: OSHA Permissible Exposure Limit (PEL): 50 ppm ACGIH Threshold Limit Value (TLV): 25 ppm (TWA) 35 ppm (STEL)
Benzyl Benzoate	: UK WEL Long Term: 5.1 mg/m <sup>3</sup> UK WEL Short Term: 102 mg/m <sup>3</sup> Long-term Exposure Limit (8-hour TWA): 2.6 mg/m <sup>3</sup>
RCP Mineral Spirits 150-200	: EU HSPA TWA 8 hours: 350 mg/m <sup>3</sup>
Dust (Ethylhydroxyethyl Cellulose)	: TWA: 4 mg/m <sup>3</sup>
Petroleum Distillates, solvent dewaxed heavy paraffinic (DMSO extract <3%)	: OEL – Long term TWA: 5 mg/m <sup>3</sup> (Oil Mist)

### Exposure Controls

<b>Eyes</b>	:	Use a safe eyewear to avoid exposure to liquid splashes.
<b>Hands</b>	:	Wear gloves to minimize skin contact.
<b>Hygiene Measures</b>	:	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Ensure that eyewash stations and safety showers are close to the workstation location.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State</b>	:	Liquid
<b>Color</b>	:	White
<b>Odor</b>	:	Slight Lavender Scent
<b>pH</b>	:	≥ 8.5
<b>Relative Density (g.cm<sup>-3</sup>)</b>	:	1.62 ± 0.02
<b>Viscosity (Poise, 25°C)</b>	:	20 ± 2
<b>Flammability</b>	:	Not applicable
<b>Flash Point °C</b>	:	Not applicable
<b>Flammability Limit – Lower (%)</b>	:	Not applicable
<b>Flammability Limit – Upper (%)</b>	:	Not applicable
<b>Lower Explosion Limit, vol / vol air</b>	:	Not applicable
<b>Upper Explosion Limit, vol / vol air</b>	:	Not applicable
<b>Boiling Point (°C)</b>	:	No data available
<b>Melting Point (°C)</b>	:	Not applicable
<b>Solubility in water at 20 °C</b>	:	Miscible with water
<b>Partition coefficient n-Octanol/Water</b>	:	Not applicable
<b>Solid Content by weight</b>	:	64.0%

## 10. STABILITY AND REACTIVITY

<b>Stability and Reactivity</b>	:	<p><u>Chemical stability:</u> The product is stable under normal storage/handling conditions.</p> <p><u>Possibility of hazardous reactions:</u> No dangerous reactions known.</p> <p><u>Conditions to avoid:</u> No significant condition.</p> <p><u>Incompatible materials:</u> No significant material.</p>
<b>Hazardous Decomposition Products</b>	:	Fire creates: Toxic gases / vapours / fumes of: Carbon dioxide (CO <sub>2</sub> ) and Carbon monoxide (CO).
<b>Hazardous Polymerization</b>	:	It will not occur.

## 11. TOXICOLOGICAL INFORMATION

Specific information about the product itself are not available.

Component: Ethylhydroxyethylcellulose

**Acute Oral Toxicity** : | LD50 (Rat): > 5,000 mg/kg

Component: Titanium Dioxide

**Acute Oral Toxicity** : | LD50 (Rat): 10,000 mg/Kg

Component: Petroleum Distillates, solvent dewaxed heavy paraffinic (DMSO extract <3%)

**Acute Oral Toxicity** : | LD50: > 5,000 mg/Kg

**Acute Inhalation Toxicity** : | LC50: 5.53 mg/L

**Acute Dermal Toxicity** : | LD50 (Rabbit): > 5,000 mg/Kg

Component: Ammonia

**Skin Contact** : | Blistering may occur. Progressive ulceration will occur if treatment is not immediate.

**Eye Contact** : | Corneal burns may occur. May cause permanent damage.

**Ingestion** : | Corrosive burns may appear around the lips. Blood may be vomited. There may be bleeding from the mouth or nose.

**Inhalation** : | There may be shortness of breath with a burning sensation in the throat. Exposure may cause coughing or wheezing.

Component: White Spirit

**Acute Oral Toxicity** : | LD50 (Rat): >2000 mg/kg – Low Toxicity  
Aspiration into the lungs when swallowed or vomited may cause chemical pneumonitis which can be fatal.

**Acute Inhalation Toxicity** : | LC50 (Rat): Greater than the near-saturated vapour concentration / 4 hours – Low Toxicity  
High Concentrations may cause Central Nervous System Depression resulting in Headaches, dizziness and nausea; Continued Inhalation may result in Unconsciousness and/or Death.

**Acute Dermal Toxicity** : | LD50 Dermal (Rat): > 2000 mg/kg – Low Toxicity

**Mutagenic Data** : | Not expected to be Mutagenic

**Carcinogenicity** : | Limited Evidence of Carcinogenic Effect.  
(Ethylbenzene)

**Reproductive and Developmental Toxicity** : | Causes Foetotoxicity in animals at doses which are Maternally Toxic.  
| Not Expected to impair Fertility.

## 12. TRANSPORT INFORMATION

	ADR/RID	ADN	IMDG	ICAO/IATA
TRANSPORTATION	Road	River	Marine	Airways
PROPER SHIPPING NAME	The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.			
UN/ID No.	-	-	-	-
SYMBOL	-	-	-	-
CLASS	-	-	-	-
PACKAGING GROUP	-	-	-	-
LABELLING NO	-	-	-	-
CLASSIFICATION CODE	-			
HAZARD NO (HIN NO)	-			
EmS			-	
MARINE Polluant			No	
HS CODE	32099090			
<i>Note for International Transportation Regulations: this product is not regulated as a hazardous material.</i>				

## 13. OTHER INFORMATION

**Date of Issue or Change** : | 23-07-2018

*The information contained herein is based on the present state of our knowledge. It characterises the product with regard to the appropriate safety precautions. It does not represent a guarantee of any properties of the product.*