



MSDS

**UNDERCOAT WATER
BASE**

UNW050/199

Fast drying, water base,
Wall covering undercoat for
interior & exterior use.

BMA PAINTS for commercial and industry – NAHR EL MOTT – LEBANON

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STABILITY AND CHEMICAL REACTIVITY:

- This product is relatively stable and has a very low flammability .
- This product do not thermal – decomposit if it's used and stored according to the specifications .
- Hazardous polymerization is not expected .
- Hazardous decomposition of this product may release CO₂ , CO , NO , NO₂ , and small amount of hydrocarbons .
- This product do not self-ignite .
- This product is incompatible with strong Oxidizing agents , acids and alkalis .

DETAILED COMPONENTS:

Component	% by weight	C.A.S. #
Water	20 -24%	7732-18-5
Charges	40 - 50%	N.R.
Additives	3 – 6%	N.R.
Styrene acrylic	28 – 35%	9003-18-3

N.R. : not regulated – depending on the used products , which are usually not hazardous .

PRINCIPLE CHARACTERISTICS:

- High weathering, cracking & abrasion resistance.
- Good sandability.
- Good filling properties.
- Long lasting .
- Fast air-drying.
- Fast handling.
- Antibacterial properties .
- No added lead , chromium and zinc .
- HS code : **3209 10 90**

APPLICATION TIPS:

- Air-spray : dilute with 15 - 20 % of tap water .
- Brush / roller : dilute with 10 – 15 % of tap water.
- Before applying , the surface must be dry and clean from any contamination .
- Let dry for at least 6 hours before applying the next coat .
- Cleaning - up : clean hands and tools with soapy warm water .

PHYSICAL CHARACTERISTICS @25°C:

- Specific gravity : 1.58 g/cm³ (water : 1g/cm³)
- Flash point : > 65 °C
- Boiling point : 70°C <B.P.<120°C
- Viscosity : 22 poises
- Solid content : 30 – 35 %
- V.O.C. content : 0.05 – 0.7 % (by weight)
- Evaporation rate : extremely slow
- Vapor pressure : 2.7 – 10.3 mm Hg
- Vapor density : heavier than air
- Solubility : soluble in Water
- Miscibility with water : miscible
- Explosion limits : Lower : 1.2 Vol %
Upper : 7.5 Vol%
- (it doesn't present any explosion hazard)
- Color : upon catalogue
- Appearance : deep & almost thick liquid
- Odor : flower perfume odor
- Touch dry after : 60 - 90 minutes
- Hard dry : 4 hours
- Spreading rate : 10 – 12 m²/L

FIRE FIGHTING MEASURES:

- Extinguishing media :- Carbon dioxide
-Waterfog
-Alcohol resistant foam
-Dry chemicals.
- Special procedure :- evacuate fire area
-Do not enter without fire resistant suit and special breathing media.
- Fight fire from a distance to avoid any flame attack .

TOXICOLOGICAL AND ECOLOGICAL INFORMATION:

- This product is not established as carcinogen If it's used according to the specifications .
- This product should not reach the ground or the water course - it might accumulate in the water systems (water hazard classification WGK 1) .
- In case of moderate exposure , this product is considered having low toxicological effect , except by the ingestion media .

ENVIRONMENT PROTECTION:

- Contain and collect this product leaks with non – flammable and absorbant materials such as sand , soil dust ,.....
- The containers are not refillable , dump them by soil .
- The empty cans could contain some product residue , which is relatively medium flammable ; get rid of them according to your country regulations .

FIRST AIDS MEASURES:

This product has usually a low toxicity ; there is no need for severe safety precaution unless large amounts are absorbed . Although it might have some neurological effect , so it's essential to apply it away from pregnant women and children .

Route of entry	Risk	First aid
Eye contact	Eye irritation after a prolonged exposure	Rinse eyes with large amount of clean water
Skin contact	Skin moderate irritation after a prolonged exposure	Wash the affected zone with soapy water and remove contaminated clothes
Inhalation	Headache , nausea , dizziness , vomiting , narcosis, nose, throat & lungs irritation , only after a prolonged exposure	The affected person should be moved to a very well ventilated area ; if the symptoms persist or the breathing stops , an immediate medical care is required
Ingestion	Nausea, vomiting, diarrhea, dizziness and gastrointestinal irritation.	Let the affected person drink a large amount of water , without inducing vomiting ; seek a medical care immediately

HEALTH AND SAFETY:

- The Product is medium flammable ; It burns with a medium heat . Avoid unnecessary exposure to heat , vapors and travel to source of ignition and flash back .
- Do not smoke while using this product .
- This product is considered having relatively low toxicity , during a short exposure period and a relatively low dose , except by ingestion media .
- Do not eat or drink during the application of this product .
- Keep away from the reach of children .
- Apply away from pregnat women , children and people with respiration problems .

HANDLING AND STORAGE:

- Store in tightly closed containers & keep away from humidity , freezing , direct sunlight , heat , sparks and open flame.
- Apply this product in a well ventilated area , because the released vapors may provoqe respiratory irritations .
- Do not hang this product pack on a hook.

TRANSPORT INFORMATION:

- This product is considered as medium flammable .
- Keep the container well closed and in uptight position during transportation .
- IMO class : 3
- UN number : 1263
- Hazard class : medium flammable liquid 2
- Label : Paint
- Packaging group : II
- Transportation : overland , by air & by sea.

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