



MSDS

MARINE ANTIRUST ZINC PHOSPHATE PRIMER

AZC 060-199

Fast drying , solvent base ,
Marine primer .

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

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STABILITY AND CHEMICAL REACTIVITY :

- This product is relatively stable .
- This product do not thermal–decompose 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 .

COMPONENTS:

Component	% by weight	C.A.S. #
White Spirit	7 – 15 %	8030-30-6
Piombo	0.3 – 0.4 %	78-00-2
Xylene	4 – 10 %	1330-20-7
Acetone	0 – 2 %	67-64-1
Calcium	0 – 0.4%	7440-70-2
Zirconium	0 – 0.25 %	22464-99-9
Cobalt Octoate	0.1 – 0.3 %	136-52-7
Resins	21 – 28 %	N.R.
Additives	6 – 8 %	N.R.
charges	40 – 49 %	N.R.

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

PRINCIPLE CHARACTERISTICS :

- Economic general purpose maintenance and new building primer.
- Suitable for use on superstructures and on steel .
- Ideal for surfaces normally exposed to water immersion.
- The adhesion of over - coated paints is not affected by weathering Period of the primer.
- A thickness of 75 microns can be obtained by spray application in one operation.
- HS code : 3208 10 90

APPLICATION TIPS :

- Air-spray : dilute with 10 –15 % of turpentine (white spirit).
- Brush / roller : dilute with 10-15 % of turpentine (white spirit).
- Before applying , the surface must be dry and clean from any contamination .
- Sand the surface 20 – 25 minutes after each coat .
- Cleaning - up : clean hands and tools with turpentine (white spirit)..

PHYSICAL CHARACTERISTICS @25°C :

- Specific gravity : 1.25 g/cm³ (water : 1g/cm³)
- Flash point : 38°C
- Boiling point : 70°C <B.P.<120°C
- Viscosity : 40 poises
- Solid content : 51 - 56 %
- V.O.C. content : 15 - 17% (by weight)
- Evaporation rate : slower than butyl acetate
- Vapor pressure : 2.7 – 10.3 mm Hg
- Vapor density : heavier than air
- Solubility : soluble in organic solvents
- Solubility in water : < 10 %
- Miscibility with water : not miscible
- Explosion limits : Lower : 1.2 Vol %
Upper : 7.5 Vol%
(it doesn't present any explosion hazard)
- Color : depending on the color
- Appearance : heavy liquid
- Odor : turpentine odor
- Touch dry after : 2 hours
- Hard dry : 5 hours
- Spreading rate : 16 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 due to the threat of pressures in containers which can cause an explosion.

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 absorbent materials such as sand , soil dust ,.....
- The empty cans could contain some product residue , which is relatively flammable ; get rid of them according to your country regulations .

FIRST AID 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 flammable ; It burns with intense 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 provoke respiratory irritations .
- Do not hang this product pack on a hook.

TRANSPORT INFORMATION :

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

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