

## Material Safety Data Sheet

### MASTER COLOUR

### AE-1400 Acrylic Solid Binder

#### 1. Identification of the Substance/Preparation and Company

**Product name:** Euro Colour Master Colour AE-1400 Acrylic Solid Binder  
**Product Code:** 20411760400400  
**Product Barcode:** 8854611100992  
**Product type:** Binder for solid colour  
**Supplier:** **Thainakorn Paint & Chemical Co., Ltd**  
**Address:** 91 Ramkhamhaeng Rd. Minburi Minburi Bangkok Thailand, 10510  
**Contact numbers:** 66-2916-7714-9  
**Emergency telephone number:** 66-2916-7714-9

#### 2. Composition/Information on Ingredients

Chemical Name	CAS No	EC No	Symbol	%WT
1-methoxy-2-propanol	108-65-6	203-603-9	Xi	40.0
Toluene	108-88-3	203-625-9	F, Xi	20.0
Xylene	1330-20-7	215-535-7	Xn	25.0
n-butyl acetate	123-86-4	202-436-9	-	15.0

(Reference to EC directive 67/548/EEC)

#### 3. Hazards Identification

**Human health hazards:** Harmful by inhalation. Irritating to eyes and skins.

**Safety hazards:** Flammable. In use, may form flammable/explosive vapor-air mixture.

#### 4. First Aid Measures

**Inhalation:** Remove to fresh air. Keep patient warm and at rest. If does not rapidly recover, obtain medical attention immediately.

**Skin:** Wash skin with water using soap if available. If the irritation is persisting, obtain medical attention immediately.

**Eye:** Immediately flush eye with plenty of water by 15 minutes, holding the eyelids apart. Call for medical attention instantaneously.

**Ingestion:** Do not induce vomiting. Do not give anything by mouth to unconscious person. Rise mouth with water. Ingest activated charcoal. Obtain medical attention immediately.

## 5. Fire-Fighting Measures

**Suitable Extinguishing Media:** Foam (alcohol resistant, carbon dioxide, powders, water spray). Do not allow run-off from fire fighting to enter drains or water courses.

**Unsuitable Extinguishing Method:** Water jet

**Special Hazards due to the Substance, its Decomposition Products or Gases produced by Fire:** Fire will produce dense black smoke. Inhalation of dangerous decomposition products may cause serious damage to health.

**Special Protective Equipment:** Appropriate breathing apparatus may be required.

**Additional information:** Cool closed containers in the vicinity of the source of fire.

## 6. Accidental Release Measures

**Personal precautions:** Avoid contact with skin and eyes. Ventilate contaminated area thoroughly. Do not breathe vapor. Extinguish naked flames. Remove ignition sources. No smoking. Avoid sparks. Evacuate the area of all non-essential personnel. Shut off leaks, if possible without personnel risk

**Personal protection:** Wear neoprene or nitrile rubber gloves, PVC one-piece suit with integral hood. Safety boots-rubber, knee length. Wear full face-piece respirator with organic vapor canister NPF 400. In a confined space, wear self-contained breathing apparatus open circuit type NPF 2000.

**Environmental precautions:** Prevent contamination of soil and water. Prevent from spreading or entering into drains, ditches or rivers by using sand, earth, or other appropriate barriers.

**Clean-up methods-small spillage:** Absorb or contain liquid with absorbent materials. Shovel up and place in a labeled, sealable container for subsequent safe disposal. Put leaking containers in a labeled drum or overdrum. Flush contaminated area with plenty of water. Retain washings as contaminated waste.

**Clean-up method-large spillage:** Transfer to a labeled, sealable container for product recovery or safe disposal. Treat residues as for small spillage. Do not wash up with solvents.

## 7. Handling and Storage

**Handling:** Avoid prolonged or repeated contact with eyes and skins. Do not breathe vapor. Only use in well ventilated areas. Extinguish any naked flames. Remove ignition sources. Avoid sparks. Do not empty into drains.

**Handling temperatures:** Ambient

**Storage:** Keep away from direct sunlight and other sources of heat or ignition as well as children. Do not smoke in storage areas. Keep container tightly closed and in a well ventilated place.

**Storage temperatures:** 5-45 °C

**Product transfer:** Earth all equipment

**Recommended materials:** For containers or container linings, use mild steel or stainless steel. For container paints, use zinc silicate.

**Unsuitable materials:** None specified

## 8. Exposure Controls/Personal Protection

**Engineering control measures:** Use local exhaust ventilation.

## Occupational Exposure Limits

Substance Name	CAS No.		Limit values	
			ml/m3 (ppm)	mg/m3
n-butyl acetate	123-86-4	TWA	150	-
		STEL	200	-
toluene	108-88-3	TWA	100	-
		STEL	125	-
Xylene (mixture of isomers)	1330-20-7	TWA	100	-
		STEL	150	-

Note 1

**Respiratory protection:** Where local exhaust ventilation is not practicable, wear full face-piece respirator with organic vapor cartridge NPF 20.

**Hand protection:** Chemical-resistant gloves

**Eye protection:** Monogoggles.

**Body protection:** Standard issue work cloths. Safety shoes or boots-chemical resistant.

<sup>1</sup> Note:

H: Skin resorbitive

Y: There is no need to fear risk of fetal damage if complying with the MWC and the BWST values.

## 9. Physical and Chemical Properties

<b>Physical state:</b>	Vicious Liquid
<b>Color:</b>	Transparent
<b>Odor:</b>	Characteristic
<b>PH:</b>	Not applicable
<b>Solution in water at 20:</b>	Insoluble
<b>Viscosity:</b>	100-120s ISO 2434-1993
<b>Other solubilities:</b>	Most organic solvent
<b>Flash point:</b>	23° C DIN 53213/ISO 1523
<b>Density:</b>	1,000 g/ liter @ 25° C
<b>Autoignition:</b>	370° C DIN 51794

## 10. Stability/Reactivity

**Stability:** Stable in room temperature in closed container under normal storage and handling conditions.

**Conditions to avoid:** Heat, flames and sparks

**Material to avoid:** concentrated peroxide may emerge explosion and fire

**Hazardous decomposition product:** In case of fire carbon monoxide, carbon dioxide nitrogen oxide smoke may be formed.

## 11. Toxicological Information

<b>Basis for assessment:</b>	Information given is based on product data.
<b>Acute toxicity:</b>	No data is available on the product itself
<b>Eye irritation:</b>	Irritant and maybe reversible damage
<b>Skin irritation:</b>	Slight irritant

**Respiratory irritation:** May cause of drowsiness and dizziness.  
**(Sub) chronic toxicity:** Repeated exposure causes damages on kidney, liver and central nervous.  
**Reproductive toxicity:** No data available  
**Human effects:** Exposure to component solvent vapor may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system.

## 12. Ecological Information

### Ecotoxicity

Acute Toxicity

Chemical Name	Species	Exposure times	Value	Type	Method
n-butyl acetate	Daphnia	24 hours	72.8 mg/l	EC50	DIN 38412
	Gloden orfe	48 hours	71 mg/l	LC50	
	Scenedesmus quadricauda	192 hours	21 mg/l	EC50	
	Pseudomonas	18 hours	959 mg/l	EC50	

Mobility : Floats on water. Absorb to soil and has low mobility.

Persistence/ degradation : Readily biodegradable. Oxidises rapidly by photo-chemical reactions in air.

Bioaccumulation : Has the potential to bioaccumulation

## 13. Disposal Considerations

**Waste from residues:** Classified as hazardous waste. Dispose of as special waste in compliance with applicable regulations Prevent product from entering drains.

**Contaminated packaging:** Classified as hazardous waste. Dispose of as special waste in compliance with applicable regulations. Fully drained containers which are drop- and scrape-free can be treated as industrial waste, and can possibly be recycled.

## 14. Transport Information

**UN Number:** 1263

**UN Class/ Packing Group:** 3/III

**UN Proper shipping name:** Paint

**UN Number (sea transport, IMO):** N/A

## 15. Regulatory Information

**EC Label name:** Paint

**EC Symbol:** Xn – Harmful

**Contents:** xylene

2-hydroxyethyl acrylate

**EC Risk Phrases:** R10 Flammable; R20/21 Harmful by inhalation and in contact with skin R36/38 Irritating to eyes and skins; R43 May cause sensitization by skin contact

**EC Safety phrases:**

S23 Do not breathe vapor; S24 Avoid contact with skin; S36/37  
Wear suitable protective clothing and gloves; S46 If swallowed,  
seek medical advice immediately and show this container or label  
where possible; S51 Only use in well ventilated areas

**National Regulations:**

The Control of Substances Hazardous to Health Regulations 2002  
The Manual Handling Operations Regulations 1992  
Storage of Packaged Dangerous Substances, HS (G)71  
Environmental Protection Act

**16. Other Information**

**Use and restrictions:** Car paint for professional use only

**Technical contact point:** For further information, contact your sales representative or agent.

**SDS distribution:** The information provided in this document should be made available to all who may handle the product.

**Disclaimer:** This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. The product is not to be used for other purposes than those specified under section 1 without first obtaining written handling instruction. It is always the responsibility of the user to take all necessary steps in order to fulfill the demand laid down in the local rules and legislation. The information in this document is meant as a description of the safety requirements of our product. It should not therefore be construed as guaranteeing any specific property of the product.

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