

FEB. -13' 04 (FRI) 14:11 SARGENT ART

TEL:5704591752

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02-13-04 ✓

\* Sargent WC Pencils \*

20589-0129  
-0249

ARUNA COMPANY LIMITED

November 11, 2002

Material Safety Data Sheet

Section 1 - General Information

Manufacturer's Name : Aruna Company Limited

Address : 9/4 Bangchan Industrial Estate Serithai Road  
Kannayao Bangkok 10230, Thailand

Telephone No. : 66 2 518 1383 . 66 2 517 0039

Fax No. : 66 2 517 1098

E-mail No. : [lor@ksc15.th.com](mailto:lor@ksc15.th.com)

Prepared by : Peerapong Devaphalin

Synonyms : Colored Wooden Pencils, Aquarell

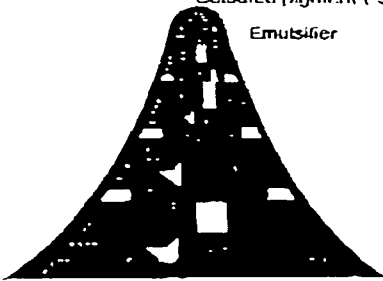
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Section 2 - Ingredients

Ingredients (Chemical or Common name)

- Incense Cedar wooden slats
- Jelutong wooden slats
- Vinyl Acetate Dispersion ( Latex Glue )
- Nitrocellulose Lacquer
- Coloured pigment ( See attached sheet )

Emulsifier



9/4 BANGCHAN INDUSTRIAL ESTATE, SERITHAI ROAD, KANNAYAO, BANGKOK 10230 THAILAND.  
P.O. BOX 32 BANGKOK 10240, TEL : 517-0039, 517 9423, 518-1383-5 FAX NO : 662-517-1098, 662-906-0802

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# ARUNA COMPANY LIMITED

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### Section 3 - Physical Data

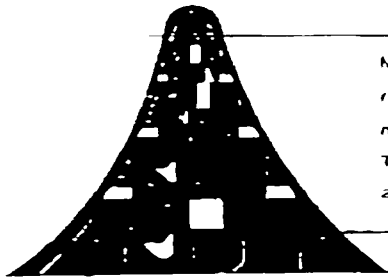
Appearance	: Solid	Freezing Point	: N/A
Odor	: Neutral	Percent Volatile	: N/A
Vapor Density	: N/A	Evaporation Rate	: N/A
Specific Gravity	: N/A	pH	: N/A
Solubility	: N/A	Melting Point	: N/A

### Section 4 - Fire Hazard Data

Flash Point	: None
Fire and Explosion Hazard	: This material will burn, but will not ignite readily.
Hazardous Decomposition Products	: Normal combustion forms typical pyrolysis products including Carbon Dioxide, Water vapor and minor amounts of Oxides of Sulfur and Nitrogen. Incomplete combustion can produce Carbon Monoxide.
Extinguishing Media	: Extinguish fires with dry chemical, and/or Co, and/or water.
Special Fire - fighting Procedures	: Fire - fighters should be equipped with self-contained Breathing apparatus

### Section 5 - Health Hazard Data

Machining wooden pencils generates wood dust which is an OSHA regulated product. For wood dust the Permissible Exposure Limit (PEL) is 5 mg/m<sup>3</sup>, as a time weighted average over an 8 - hour period, and the Short Term Exposure Limit (STEL) is 10 mg/m<sup>3</sup> as a maximum exposure limit over a 15 - minute period.



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ARUNA 36 COLOURED PENCILS

COLOUR	PIGMENT	C.I. NO.	PIGMENT	C.I. NO.	PIGMENT	C.I. NO.
1. WHITE	TITANIUM DIOXIDE	102				
2. YELLOW	100% YELLOW	C.I. NO. YELLOW 1				
3. ORANGE	100% ORANGE	C.I. NO. ORANGE 12				
4. RED	100% RED	C.I. NO. RED 3				
5. PINK	100% PINK	C.I. NO. RED 169				
6. BROWN	90% ORANGE	C.I. NO. ORANGE 13	10% BLACK	C.I. NO. CARBON BLACK		
7. LT. GREEN	100% LT. GREEN	C.I. NO. GREEN 7				
8. GREEN	100% GREEN	C.I. NO. GREEN 7				
9. LT. BLUE	14% BLUE	C.I. NO. BLUE B6	TITANIUM		88%	
10. BLUE	100% BLUE	C.I. NO. BLUE B6				
11. VIOLET	24% VIOLET	C.I. NO. FANAL VIOLET 27	TITANIUM		60%	
12. BLACK	100% BLACK	C.I. NO. CARBON BLACK				
13. LEMON/YELLOW	100% LEMON/YELLOW	C.I. NO. 19863 : 4				
14. ULTRA MARINE BLUE	100% ULTRA MARINE BLUE	C.I. NO. BLUE 29				
15. MAGENTA	80% TITANIUM		MAGENTA		20%	C.I. NO. 5160
16. CARBINE	60% RED P1	C.I. NO. 11710	BLACK		40%	
17. DARK BROWN	84% ORANGE		BLACK		16%	
18. DARK BLUE	95% BLUE		BLACK		5%	
19. GRAY	95% TITANIUM		BLACK		5%	
20. LT. VIOLET	65% TITANIUM		VIOLET		15%	
21. LT. ORANGE	65% TITANIUM		ORANGE		16%	
22. LT. BROWN	95% ORANGE		BLACK		5%	
23. DARK GREEN	95% GREEN		BLACK		5%	
24. VERMILION	100% RED P1	C.I. NO. 11710				
25. LT. YELLOW	90% TITANIUM		YELLOW		10%	
26. CHROME YELLOW	95% YELLOW		PINK		5%	
27. PALE RED	80% TITANIUM		RED		20%	
28. RED ORANGE	80% ORANGE		PINK		20%	
29. ROSE PINK	70% PINK		TITANIUM		30%	
30. LT. MAGENTA	90% TITANIUM		MAGENTA		10%	
31. OCEAN BLUE	5% LEMON/YELLOW		BLUE		15%	TITANIUM 80%
32. LEAF GREEN	90% TITANIUM		GREEN		20%	C.I. NO. GREEN 7
33. BARRACK GREEN	65% LEMON/YELLOW		GREEN		10%	
34. OLIVE GREEN	85% YELLOW		BLUE		10%	
35. GOLD	50% GOLD	C.I. NO. 62	TITANIUM		40%	
36. SILVER	55% SILVER	C.I. NO. 77000	TITANIUM		45%	