

MAR-31-2005 THU 12:10 PM colart americas

FAX NO. 7325620941

4-12-05

HANDLING INFORMATION SHEET

00319-3009

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The product covered by this Handling Information Sheet has been certified in a program of toxicological examination by a medical expert to contain no materials in sufficient quantities to offer any acute or chronic health hazard to humans. In addition, there is no physical hazard as defined within 29CFR part 1910.1200(c) consequently, no MSDS is applicable. This sheet does not constitute a MSDS as defined by 29CFR 1910.1200 but provides a source of

non-mandatory information as a service to users of Winsor & Newton products.

Winsor & Newton is a member of the Art & Craft Materials Institute, 715 Boylston St., Boston, Ma. 02116. Our art materials are certified by the Institute to be labelled in accordance with the voluntary chronic hazard labelling standard ASTM D-4236 of the American Society for Testing and Materials.



No Health Labeling Required

3/31/05

Page 1 of 3

MATERIAL SAFETY DATA:

01 000 ARTISTS WATER COLOUR not otherwise specified

WINSOR & NEWTON
COLART AMERICAS INC
11 CONSTITUTION AVE P.O. BOX 1396
PISCATAWAY N.J. 08855-1396

Telephone for Health Information only
1-800-628-3385

HAZARDOUS INGREDIENTS	CAS NO.	TLV	MAX. %
4-chloro-3,5-xyleneol	00088-04-0		0.50
Glutaraldehyde	00111-30-8	0.2 ppm	0.16

PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling point	: > 100 °C	Specific gravity	: 1.20 -2.50
Vapor pressure	: ca.17mm Hg	Evaporation rate (BuAc=1)	: 0.36
Vapor density	: as water	Solubility in water	: Miscible
Appearance and odor	: Soft paste. Colour as named.		

FIRE AND EXPLOSION HAZARD DATA

Flash point (): n/a °C Flammability limits : upper :n/a %
 Autoignition temperature: n/a °C lower :n/a %
 Fire precautions : Will burn when water evaporates
 Extinguishing media: n/a
 Special hazards : n/a

REACTIVITY DATA

Stable :yes Incompatibility: none known
 Hazardous decomposition : Carbon monoxide may be evolved in a fire
 Hazardous polymerisation : no

HEALTH HAZARD DATA

Prolonged contact with skin could cause irritation.

Carcinogenicity : NTP : n/a IARC monographs : n/a OSHA regulated : n/a

FIRST AID

Eye contact : Wash with water for 10 minutes
 If irritation persists get medical attention
 Skin contact: Wash off with water

Inhalation : Remove from exposure
 Ingestion : Wash out mouth with water
 Get medical attention

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P. 03

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non-mandatory information as a service to users of Winsor & Newton products.

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Page 2 of 3

PRECAUTIONS FOR SAFE HANDLING AND USE

In case of spillage : Absorb on inert substrate
Mop up with plenty of water
Waste disposal : According to local regulations

Handling : Normal hygiene **NO HEALTH LABELING REQUIRED**

Storage : Keep in closed containers
Avoid extremes of temperature

CONTROL MEASURES

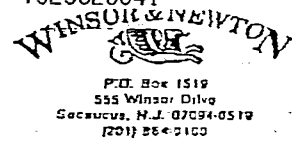
Personal : Avoid prolonged contact Wear mask if spraying
Ventilation: Ensure adequate ventilation
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P. 04

Date	Customer	Ship to where	Use
Draw No.	Buyer	Customer No.	
Sold To:			



3 of 3

SPECIAL INSTRUCTIONS: HANDLING INFORMATION SHEET ARTISTS PROFESSIONAL WATERCOLOURS (NOT OTHERWISE SPECIFIED)

Artists' Professional Water Colours : ALL SIZES

THE PRECEDING PAGES REFER TO COLOURS MARKED "X" BELOW

COLOUR NAME	SERIES	AWC 27 No. 2 Tubes Only	AWC 28 No. 3 Tubes Only	COLOUR NAME	SERIES	AWC 27 No. 2 Tubes Only	AWC 28 No. 3 Tubes Only	COLOUR NAME	SERIES	AWC 27 No. 2 Tubes Only	AWC 28 No. 3 Tubes Only
001 Alizarin Crimson - 62-9		X		160 Dovy's Gray 3630-21-22				502 Rose Madder Gen.	4	X	371
008 Antwerp Blue	1	X		194 French Ultramarine 5240		X	11-12-13	512 Scarlet Lake	1	X	3410-11-12
012 Auracolin	4			198 Gamboge Genuine	4	X		522 Sepia	1	X	8080-81-82-83
034 Blue Black	1	X		248 Indian Red 3250-51-52	1	X		542 Terre Verte	1	X	7130-31-32
040 Bright Red	1	X		250 Indian Yellow	1	X		568 Vandyke Brown	1	X	8310-11-12
056 Burnt Sienna	1	X		252 Indigo 5260-01-02	1	X		578 Venetian Red	1	X	3130-31-32
058 Burnt Umber	1	X		250 Ivory Black 2350-51-52	1	X		580 Viridian	3	X	7100-01-02-03
064 Cadmium Lemon	4			204 Lamp Black 2020-21-22	1	X		602 Warm Sepia	1	X	
065 Cadmium Orange	4			274 Lemon Yellow	3			602 Winsor Emerald	1	X	7880-81-82
070 Cadmium Red	4			290 Light Red 3010-11-12	1	X		610 Winsor Red	1	X	3740-41-42-43
074 Cadmium Red Deep	4			336 Naples Yellow Deep	1	X		616 Winsor Yellow	1	X	4000-01-02-03
082 Cadmium Scarlet	4			340 Neutral Tint 2550-51-52	1	X		634 Yellow Ochre	1	X	4040-41-42-43
084 Cadmium Yellow	4			342 New Gamboge 22	1	X		Perm. Mauve			
096 Cadmium Yellow Deep	4			348 Olive Green 7070-71-72	1	X					
090 Cadmium Yellow Pale	4			390 Oxide of Chromium 1320-71-72	1	X					
100 Cerulean Blue	3			396 Payne's Gray 2500-61-62-63	1	X					
102 Charcoal Grey	1	X		420 Permanent Magenta 92	3	X					
108 Chinese White	1			425 Permanent Rose 60-61-62-63	3	X					
				450 Prussian Blue 220-21-22-23	1	X					
130 Cobalt Blue	4							ARTISTS' WATER COLOUR SUMMARY			
136 Cobalt Green	4			470 Raw Sienna 8060-61-62-63	1	X		SERIES 1			
141 Cobalt Turquoise	1			472 Raw Umber 8070-71-72-73	1	X		UNITS S			
142 Cobalt Violet	5			496 Rose Quin 3720-21-22	1	X		UNITS S			
								TOTAL #2 & #5			

3060,61
5910-11-12
-13

2090-91-92
3070-71-72

8040,41,42,43
8051-53-50
-55

2610,11,12-

025	Bismuth Yellow	3	X
056	Brown Madder	1	X
125	Caput Medusae Violet	2	X
150	Cobalt Blue Deep	4	
187	Cobalt Green Yellow Shade	4	
191	Cobalt Turquoise Light	4	X
285	Gold Ochre	2	X
294	Green Gold	2	X
311	Hooker's Green	1	X
321	Indanthrene Blue	3	X
370	Manganese Blue Hue	2	X
325	Naples Yellow Deep	1	X
431	Neckar Titanium Yellow	3	
465	Permanent Alizarin Crimson	3	X
479	Permanent Carmine	3	X
503	Permanent Sap Green	1	X
507	Perylene Maroon	3	X
543	Purple Madder	1	X

547	Quinacridone Gold	3	X
545	Quinacridone Magenta	3	X
548	Quinacridone Red	3	X
540	Thiopyrazine Violet	3	X
544	Titanium White	1	X
553	Transparent Yellow	2	X
552	Ultramarine Green Shade	2	X
672	Ultramarine Violet	2	X
683	Vermilion Hue	3	
702	Winsor Blue Green Shade	1	X
709	Winsor Blue Red Shade	1	X
719	Winsor Green Blue Shade	1	X
721	Winsor Green Yellow Shade	1	X
722	Winsor Lemon	1	X
724	Winsor Orange	1	X
733	Winsor Violet Glassine	1	X
731	Winsor Yellow Deep	1	X

0102	Description	
526	Phthalocyanine Turquoise	X
537	Posters Pink	X
638	Terre Verte (Yellow Shade)	X
649	Turners Yellow	X
723	Winsor Orange Red Shade	X
725	Winsor Red Deep	X
745	Yellow Ochre Light	X
348	Lemon Yellow Deep	X
059	Brown Ochre	X
140	Cerulean Blue (Red Shade)	X
381	Magnesium Brown	X
386	Mars Black	X
448	Opera Rose	X
460	Perylene Green	X
470	Perylene Violet	X
491	Permanent Mauve	X

FOR ALL COLOURS NOT MARKED "X" REFER TO SPECIFIC MSDS

Winsor Ndwton Artist' Professional Water Colors					
(THE PRECEDING PAGES REFER TO COLORS MARKED "X" BELOW)					
(FOR ALL COLORS NOT MARKED 'X' REFER TO SPECIFIC MSDS)					
00319-					
025 Bismuth Yellow	x	4610	4611	4612	
056 Brown Madder	x	8210	8211	8212	8213
125 Caput Mortum Violet	x	6650	6651	6652	
180 Cobalt Blue Deep					
187 Cobalt Green Yellow Shade					
191 Cobalt Turquoise Light	x				
285 Gold Ochre	x	9030	9031	9032	
294 Green Gold	x	9060	9061	9062	
311 Hooker's Green	x	7120	7121	7122	7123
321 Indanthrene Blue	x	5340	5341	5342	
379 Manganese Blue Hue	x	5330	5331	5332	
425 Naples Yellow Deep		4520	4521	4522	
431 Nickel Titanium Yellow					
466 Permanent Alizarin Crimson	x	3390	3391	3392	3393
479 Permanent Carmine	x	3700	3702	3711	
503 Permanent Sap Green	x	7390	7391	7392	7393
507 Perylene Maroon	x	8910	8911	8912	
543 Purple Madder		6410	6411	6412	
547 Quinacridone Gold	x	9090	9091	9092	9093
545 Quinacridone Maggena	x	3620	3621	3622	
548 Quinacridone Red	x	3270	3271	3272	
640 Thioindigo Violet	x	6550	6551	6552	
644 Titianium White	x	1010	1011	1012	
653 Transparent Yelllow	x	4550	4551	4552	
667 Ultramarine Green Shade	x	5230	5231	5232	
672 Ultramarine Violet	x	6730	6731	6732	
683 Vermillion Hue					
707 Winsor Blue Green Shade	x	5480	5481	5482	5483
709 Winsor Blue Red Shade	x	5630	5631	5632	5633
719 Winsor Green Blue Shade	x	7890	7891	7892	7893
721 Winsor Green Yellow Shade	x	7590	7591	7592	
722 Winsor Lemon	x	4900	4901	4902	
724 Winsor Orange	x	4820	4821	4822	
733 Winsor Violet Dioxazine	x	6740	6741	6742	6743
731 Winsor Yellow Deep	x	4890	4891	4892	
526 Phyhalo Turquoise	x	5421	5422		
637 Potters Pink	x	3771	3772		
638 Terre Verte(Yellow Shade)	x	7111	7112		
649 Turners Yellow	x	4411	4412		
723 Winsor Orange Red Shade	x	4801	4802		
725 Winsor Red Deep	x	4881			3752
745 Yellow Ochre Light	x	4841	4842		
348 Lemon Yellow Deep	x	4101	4102		
059 Brown Ochre	x	8201	8202		
140 Cerulean Blue (Red Shade)	x	5171	5172		
381 Magnesium Brown	x	8441	8442		
386 Mars Black	x	2041	2042		
448 Opera Rose	x	3759	3761	3762	3750 3763
460 Perylene Green	x	7851	7852		
470 PeryleneViolet	x	6701	6702		
491 Permanent Mauve	x	3871	3872		3290