

Introductory Set

00319-1009

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

FAX NO. 7325620941

4-12-05

HANDLING INFORMATION SHEET

00319 - see attached codes

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

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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

Table with 4 columns: Ingredient Name, 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

V-4565

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

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HANDLING INFORMATION SHEET

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

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No Health Labeling Required

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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
=====

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
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
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
479 Permanent Carmine	x	3700	3702 , 3711
503 Permanent Sap Green	x	7390	7391 , 7392
507 Perylene Maroon	x	8910	8911 , 8912
543 Purple Madder		6410	6411 , 6412
547 Quinacridone Gold	x	9090	9091 , 9092
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 Yellow	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
709 Winsor Blue Red Shade	x	5630	5631 , 5632
719 Winsor Green Blue Shade	x	7890	7891 , 7892
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
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	,
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
460 Perylene Green	x	7851	7852 ,
470 PeryleneViolet	x	6701	6702 ,
491 Permanent Mauve	x	3871	3872 ,

CADMIUM SCARLET

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31/05/00

Material Safety Data Sheet

0102100

WINSOR & NEWTON ARTISTS WATER COLOUR tube

CADMIUM SCARLET

Section I

ColArt Americas, Inc
11 Constitution Avenue
Piscataway
New Jersey 08855-1396

Emergency Telephone Number 1-800-628-3385
Telephone Number for Information 732- 562- 0770

Date prepared 31/05/00

Section II Hazard Ingredients/Identity Information

Hazardous Components	CAS No.	OSHA PEL	ACGIH TLV
4-chloro-3,5-xylene	00088-04-0	no data	no data
Cadmium sulphoselenide	12626-36-7	0.2 mg/m3	0.01 as Cd mg/m3

Section III Physical/Chemical Characteristics

Boiling Point:	> 100 ° C	Specific Gravity	1.6 -
Vapour pressure:	ca. 17 mm Hg	Melting Point:	n/a ° C
Vapour density:	as water	Evaporation rate	BuAc = 1 0.36
Solubility in water :	Miscible		
Appearance and odour	Soft red paste		

Section IV Fire and Explosion Hazard Data

Flash Point	n/a ° C	Flammable limits	LEL: n/a UEL: n/a
Extinguishing Media	n/a		
Special Fire Fighting Procedures	Will burn when water evaporates		
Unusual Fire and Explosion Hazards	n/a		

Section V Reactivity Data

Stability :	Unstable	no	Conditions to avoid :	none known
	Stable :	yes		
Incompatibility:	none known			
Hazardous Decomposition	Hydrogen sulphide liberated by acids			
Hazardous Polymerisation	no			

CADMIUM SCARLET

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Section VI Health Hazard Data

Route of Entry	Inhalation?	<input type="checkbox"/>	Skin?	<input checked="" type="checkbox"/>	Ingestion?	<input checked="" type="checkbox"/>
Health Hazards:						
Prolonged contact with skin could cause irritation.						
Soluble cadmium content in pigment is less than 0.5 ppm and should not constitute a health hazard unless large quantities are absorbed into the body.						
Carcinogenicity :	NTP:	n/a	IARC Monographs:	n/a		
	OSHA Regulated	n/a				
WARNING: DO NOT SPRAY APPLY. This product contains cadmium, a chemical known to the State of California to cause cancer by means of inhalation.						
Signs and Symptoms of Exposure			None known			
Medical Conditions aggravated by exposure			Pre-existing skin disorders			
First Aid Procedures						
Eyes:	Wash with water for 10 minutes If irritation persists get medical attention					
Skin:	Wash off with water					
Inhalation:	Remove from exposure					
Ingestion:	Give water to drink Get medical attention					

Section VII Precautions for Safe Handling and Use

Steps to be taken if material is spilled	Absorb on inert substrate
Mop up with plenty of water	
Waste Disposal Method	According to local regulations
Precautions to be taken in Handling and Storage	
Normal hygiene	
Keep dry	
Avoid extremes of temperature	
Other precautions	none

CADMIUM SCARLET

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Section VIII Control Measures

Respiratory protection	Not required
Ventilation	Not normally required
Local exhaust	Not required
Mechanical	Not required
Protective gloves	Not required
Eye protection	Not required
Other protective equipment	Protective clothing
Work/Hygenic Practices	Avoid prolonged contact

This product has been evaluated by a toxicologist and is labeled for acute and chronic health hazards in conformity with the Labeling of Hazardous Art Materials Act and Federal regulation 16 CFR 1500.14 of the Federal Hazardous Substances Act.

This product conforms to ASTM D4236 Standard Practice for Labeling Art Materials for Chronic Adverse Health Hazards

NEW GAMBOGE

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31/05/00

Material Safety Data Sheet

WINSOR & NEWTON ARTISTS WATER COLOUR tube

NEW GAMBOGE

Section I

ColArt Americas, Inc
11 Constitution Avenue
Piscataway
New Jersey 08855-1396

Emergency Telephone Number 1-800-628-3385
Telephone Number for information 732- 562- 0770

Date prepared 31/05/00

Section II Hazard Ingredients/Identity Information

Hazardous Components	CAS No.	OSHA PEL	ACGIH TLV
4-chloro-3,5-xyleneol	00088-04-0	no data	no data
Nickel dioxine PY 153		no data	0.05 as Ni mg/m3

Section III Physical/Chemical Characteristics

Boiling Point:	> 100 ° C	Specific Gravity	1.6 -
Vapour pressure:	ca.17mm Hg	Melting Point:	n/a ° C
Vapour density:	as water	Evaporation rate	BuAc = 1 0.36
Solubility in water :	Miscible		
Appearance and odour	Soft yellow paste		

Section IV Fire and Explosion Hazard Data

Flash Point	n/a ° C	Flammable limits	LEL: n/a UEL: n/a
Extinguishing Media	n/a		
Special Fire Fighting Procedures	Will burn when water evaporates		
Unusual Fire and Explosion Hazards	n/a		

Section V Reactivity Data

Stability :	Unstable	no	Conditions to avoid :	none known
	Stable :	yes		
Incompatibility:	none known			
Hazardous Decomposition	Carbon monoxide may be evolved in a fire			
Hazardous Polymerisation	no			

NEW GAMBOGE

Page 2 of 3

31/05/00

Section VI Health Hazard Data

Route of Entry	Inhalation?	<input type="checkbox"/>	Skin?	<input checked="" type="checkbox"/>	Ingestion?	<input checked="" type="checkbox"/>
Health Hazards:						
Soluble nickel in the product is below 0.03 %.						
Prolonged contact with skin may cause irritation.						
Carcinogenicity :	NTP:	n/a	IARC Monographs:	n/a		
	OSHA Regulated	n/a				
WARNING: This product contains a chemical known to the State of California to cause cancer.						
Signs and Symptoms of Exposure	No data					
Medical Conditions aggravated by exposure	Pre-existing skin disorders					
First Aid Procedures						
Eyes:	Wash with water for 10 minutes					
	If irritation persists get medical attention					
Skin:	Wash off with water					
Inhalation:	Remove from exposure					
Ingestion:	Give water to drink					
	Get medical attention					

Section VII Precautions for Safe Handling and Use

Steps to be taken if material is spilled	Absorb on inert substrate
Mop up with plenty of water	
Waste Disposal Method	According to local regulations
Precautions to be taken in Handling and Storage	
Normal hygiene	
Keep dry	
Avoid extremes of temperature	
Other precautions	none

NEW GAMBOGE

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31/05/00

Section VIII Control Measures

Respiratory protection	Not required		
Ventilation	No special conditions		
Local exhaust	Not required		
Mechanical	Not required		
Protective gloves	Not required	Eye protection	Not normally required
Other protective equipment	Protective clothing		
Work/Hygenic Practices	Avoid prolonged contact		

This product has been evaluated by a toxicologist and is labeled for acute and chronic health hazards in conformity with the Labeling of Hazardous Art Materials Act and Federal regulation 16 CFR 1500.14 of the Federal Hazardous Substances Act.

This product conforms to ASTM D4236 Standard Practice for Labeling Art Materials for Chronic Adverse Health Hazards

Order No.	Buyer	Customer No.
Sold To:		

WINSOR WATSON
 P.O. Box 1519
 555 Winsor Drive
 Secaucus, N.J. 07094-0519
 (201) 864-9100

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

Artists' Professional Water Colours : ALL SIZES

THE PRECEDING PAGES REFER TO COLOURS MARKED 'X' BELOW

COLOUR NAME	SERIES	AWC 02 No. 2 Tubes Only	AWC 03 No. 5 Tubes Only	COLOUR NAME	SERIES	AWC 02 No. 2 Tubes Only	AWC 03 No. 5 Tubes Only	COLOUR NAME	SERIES	AWC 02 No. 2 Tubes Only	AWC 03 No. 5 Tubes Only
3060, 61-004 Alizarin Crimson - 62	1	X		160 Davy's Gray	1	X		502 Rose Madder Gen.	4	X	3710-3730-31
10, 12-008 Antwerp Blue 5911	1	X		194 French Ultramarine	3	X	5290				
012 Aureolin	4			198 Gamboge Genuine	4	X		512 Scarlet Lake	1	X	3410, 11, 12
2090, 91, 92-034 Blue Black 2090-	1	X		248 Indian Red 3250-51-52	1	X		522 Sepia	1	X	8080-81-82
3071, 72, 73-040 Bright Red 3070-	1	X		250 Indian Yellow	1			542 Terre Verte	1	X	7130-31-32
8040, 41, 42-056 Burnt Sienna 8040-	1	X		252 Indigo 5200-01-02	1	X		568 Vandyke Brown	1	X	8310-11-12
8051-52-50-058 Burnt Umber 8050-	1	X		258 Ivory Black 2250-51-52	1	X		570 Venetian Red	1	X	-3130-31-32
064 Cadmium Lemon	4			264 Lamp Black 2020-21-22	1	X		580 Viridian	3	X	7100-01-02
066 Cadmium Orange	4			274 Lemon Yellow	3			592 Warm Sepia	1	X	
070 Cadmium Red	4			290 Light Red 3010-11-12	1	X		602 Winsor Emerald	1	X	7880-81-82
074 Cadmium Red Deep	4			336 Naples Yellow	1			610 Winsor Red	1	X	3740-41-42
082 Cadmium Scarlet	4			340 Neutral Tint 2550-51-52	1	X		616 Winsor Yellow	1	X	-4000 01-02
084 Cadmium Yellow	4			342 New Gamboge	1			634 Yellow Ochre	1	X	4040-41-42
086 Cadmium Yellow Deep	4			348 Olive Green 7070-71-72	1	X		Perm. Mauve			
090 Cadmium Yellow Pale	4			390 Oxide of Chromium 7370-71-72	3	X					
100 Cerulean Blue	3			396 Payne's Gray 2560-61-62	1	X					
2610, 11, 12-102 Charcoal Grey 2610-	1	X		420 Permanent Magenta 3490-91-92	3	X					
108 Chinese White	1			426 Permanent Rose 3280-81-82	3	X					
				456 Prussian Blue 5220-21-22	1	X		ARTISTS' WATER COLOUR SUMMARY			
								#2 TUBES UNITS \$		#5 TUBES UNITS \$	
								SERIES 1			
								2			
								3			
								4			
								5			
								Total		Total	
								TOTAL #2 & #5			
4610-11-12-025 Bismuth Yellow 4610-	3	X		547 Quinacridone Gold	3	X		9090-91-92			
8210-11-12-056 Brown Madder 8210-	1	X		545 Quinacridone Magenta	3	X		2620-21-22			
6650-51-52-125 Caput Morum Violet 6650-	2	X		548 Quinacridone Red	3	X		3270-71-72			
180 Cobalt Blue Deep	4			640 Thionido Violet	3	X		6550-51-52			
187 Cobalt Green Yellow Shade	4			644 Titanium White	1	X		1010-11-12			
5920-21-22-181 Cobalt Turquoise Light 4	4	X	5920	653 Transparent Yellow	2	X		4550-51-52			
9030-31-32-285 Gold Ochre 9030-	2	X		667 Ultramarine Green Shade	2	X		5230-31-32			
9060-61-62-294 Green Gold 9060-	2	X		672 Ultramarine Violet	2	X		6730-31-32			
7120-21-22-311 Hooker's Green 7120-	1	X		683 Vermilion Hue	3			5480-81-82			
5340-41-42-321 Indanthrene Blue 5340-	3	X		707 Winsor Blue Green Shade	1	X		5630-21-22			
6330-31-32-378 Manganese Blue Hue 2	2	X	5330	709 Winsor Blue Red Shade	1	X		7890-91-92			
4520-21-22-425 Naples Yellow Deep 4220	1	X		719 Winsor Green Blue Shade	1	X		7590-91-92			
3390-91-92-431 Nickel Titanium Yellow 3	3	X		721 Winsor Green Yellow Shade	1	X		4900-01-02			
3700-01-11-466 Permanent Alizarin Crimson 3	3	X	3390	722 Winsor Lemon	1	X		4820-21-22			
7890-91-92-478 Permanent Carmine 3700-	3	X		724 Winsor Orange	1	X		6740-41-42			
8910-11-12-503 Permanent Sap Green 1	1	X	7390	733 Winsor Violet Dioxazine	1	X		4840-91-92			
6410-11-12-507 Perylene Maroon 8910-	3	X		731 Winsor Yellow Deep	1	X					

All prices subject to acceptance and approval at head office.

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