

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

FAX NO. 7325620941

00319 - see attached codes

4-12-05

### HANDLING INFORMATION SHEET

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

00319-1119

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	CAS NO.	TLV	MAX. %
4-chloro-3,5-xylene	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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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

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**CONTROL MEASURES**

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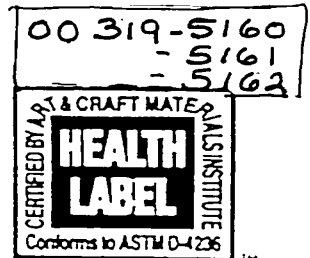


Winsor Ndwton Artist' Professional Water Colors				
(THE PRECEDING PAGES REFER TO COLORS MARKED "X" BELOW)				
(FOR ALL COLORS NOT MARKED 'X' REFER TO SPECIFIC MSDS)				
00319-				
025 Bismuth Yellow	x	4610	4611	4612
056 Brown Madder	x	8210	8211	8212
125 Caput Mortum Violet	x	6650	6651	6652
180 Cobalt 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 Permenant 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	

# MATERIAL SAFETY DATA SHEET

This sheet is a substitute for the OSHA non-mandatory Form 174 and is intended to comply with the OSHA Hazard Communication Standard 29CFR 1910.1200.

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## MATERIAL SAFETY DATA

Sheet 1 of 2

PRODUCT:ARTISTS WATER COLOUR CERULEAN BLUE

Issue:15-07-86

HAZARDOUS COMPONENTS	CAS No.	%w/w	TLV	HAZARD
Cobalt/tin oxide PB 35	n/a	56.00	0.1 mg/m3 as Co	Soluble Co
4-chlor-3,5-xyleneol	88-04-0	max.0.5	n/a	Harmful
Gluteraldehyde	111-30-8	max.0.2	n/a	Harmful

## PHYSICAL DATA (temperatures in degrees Celsius)

BOILING PT:> 100      VAPOUR PRESSURE:ca.17mm Hg      VAPOUR DENSITY:water  
 % VOLATILE:n/a      EVAPORATION RATE (BuAc=1):0.36      pH:6-8  
 SP.GRAVITY:2.1      SOLUBILITY IN WATER      :Miscible  
 APPEARANCE/ODOUR :Soft blue paste or moist solid

## FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Closed cup):n/a      FLAMMABLE LIMITS    UPPER:n/a %    LOWER:n/a %  
 AUTOIGNITION TEMPERATURE:n/a  
 FIRE PRECAUTIONS      :Non flammable but will burn when water evaporates  
 EXTINGUISHING MEDIA :n/a  
 SPECIAL FIRE HAZARDS:n/a

## REACTIVITY DATA

STABLE      :Yes      INCOMPATIBILITY      :None known  
 UNSTABLE :No      HAZARDOUS DECOMPOSITION :CO may be evolved in a fire  
 HAZARDOUS POLYMERISATION :No

## TRANSPORT DATA

IMO Page No.:n/a      CLASS:n/a      UN No.:n/a      HAZARD CONCENTRATION:n/a %  
 SHIPPING NAME:Non hazardous

## CARCINOGENICITY DATA

NTP ? :n/a      IARC MONOGRAPHS ? :n/a      OSHA REGULATED ? :n/a

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## MATERIAL SAFETY DATA

Sheet 2 of 2

PRODUCT:ARTISTS WATER COLOUR CERULEAN BLUE

Issue:16-07-86

## HANDLING PROCEDURES

STORAGE :Keep in closed containers.Avoid extremes of temperature  
 HANDLING:Normal hygiene  
 SPILLAGE:Absorb on inert substrate  
 DISPOSAL:According to local regulations  
 VENTILATION:Ensure adequate ventilation,particularly if spraying.  
 PERSONAL :Avoid skin contact/Ingestion.Wear mask if spraying

## HEALTH HAZARD DATA

Soluble cobalt may cause allergic reaction by skin contact  
 Prolonged contact with skin may cause irritation

## FIRST AID:

EYES :Wash with water for 10 minutes  
 SKIN :Wash off with water  
 INHALATION:Remove from exposure.  
 INGESTION :Give water to drink.Get medical help if large quantity ingested

PRECAUTIONARY STATEMENTS.....Ref:ASTM D4236

WARNING:CONTAINS COBALT

WINSOR & NEWTON 11 CONSTITUTION AVENUE, PISCATAWAY, NJ 08855-1396 (908) 562-0770