

3-31-04 ✓

* Studio Set *

00441-1009

TITANIUM WHITE

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01/06/00

Material Safety Data Sheet

WINSOR & NEWTON WINTON OIL COLOUR

TITANIUM WHITE

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 01/06/00

Section II Hazard Ingredients/Identity Information

Hazardous Components	CAS No.	OSHA PEL	ACGIH TLV
Zinc oxide		5 mg/m3	10 mg/m3

Section III Physical/Chemical Characteristics

Boiling Point:	> 300 ° C	Specific Gravity	1.6
Vapour pressure:	n/a	Melting Point:	n/a ° C
Vapour density:	n/a	Evaporation rate	BuAc = 1 n/a
Solubility in water :	Insoluble		
Appearance and odour	White paste. Vegetable oil odour		

Section IV Fire and Explosion Hazard Data

Flash Point	> 230 ° C	closed cup	Flammable limits	LEL: n/a	UEL: n/a
Extinguishing Media	Carbon dioxide, dry chemical, foam.				
Special Fire Fighting Procedures	Keep cool				
Unusual Fire and Explosion Hazards	Black smoke may be evolved which effects eyes and lungs				

Section V Reactivity Data

Stability :	Unstable	no	Conditions to avoid :	none known
	Stable :	yes		
Incompatibility:	Combustible matter eg.cotton waste			
Hazardous Decomposition	Acrolein may be evolved in a fire			
Hazardous Polymerisation	no			

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TITANIUM WHITE

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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 dermatitis.						
Zinc oxide pigment contains less than 1 ppm soluble lead.						
Carcinogenicity : NTP: n/a IARC Monographs: n/a						
OSHA Regulated n/a						
:WARNING: This product contains lead, a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.						
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 soap and water					
Inhalation:	Not applicable					
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
Sweep up immediately	
Waste Disposal Method	According to local regulations
As toxic waste	
Precautions to be taken in Handling and Storage	
Normal hygiene	
Avoid contact with skin	
Keep in closed containers	
Avoid extremes of temperature	
Other precautions	none

TITANIUM WHITE

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Section VIII Control Measures

Respiratory protection	Not required		
Ventilation	n/a		
	Local exhaust	n/a	
	Mechanical	n/a	
Protective gloves	Not required	Eye protection	Not required
Other protective equipment	Protective clothing		
Work/Hygenic Practices	Avoid ingestion		
	Use barrier creams		

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

HANDLING INFORMATION SHEET

100430 - all codes except

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-man-

datory 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

1004	-3103	-4073
1010	-3104	-4074
1013		-4093
1014		-4094
1033		-4183
1034		-4184
1039		-4533



8012-
8013-
8033-xx1

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No Health Labeling Required

-1049	-3423	-4534
-1113	-3424	-5163
-1114	-3843	-5164
-3093	-3844	-5173
-3094		-5174

17/11/94

MATERIAL SAFETY DATA:

14 000 WINTON OIL 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
1-800-628-3325

HAZARDOUS INGREDIENTS	CAS NO.	TLV	MAX. %
None			

PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling point : > 300 °C Specific gravity : 1.00 -3.00
 Vapor pressure : n/a Evaporation rate (n/a) : n/a
 Vapor density : n/a Solubility in water : Insoluble
 Appearance and odor : Coloured paste. Vegetable oil odour

FIRE AND EXPLOSION HAZARD DATA

Flash point (closed cup): > 230 °C Flammability limits : upper : n/a %
 Autoignition temperature: > 300 °C lower : n/a %
 Fire precautions : Keep cool
 Extinguishing media: Carbon dioxide, dry chemical, foam.
 Special hazards : Black smoke evolved may effect eyes and lungs

REACTIVITY DATA

Stable : yes Incompatibility: Combustible matter e.g. cotton waste
 Hazardous decomposition : Acrolein may be evolved in a fire
 Hazardous polymerisation : n/a

HEALTH HAZARD DATA

Prolonged contact with skin may cause dermatitis. Nausea and sickness if large quantities ingested.

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

FIRST AID

Eye contact : Wash with water for 10 minutes

Skin contact: Wash off with soap and water

Inhalation : Not applicable
 Ingestion : Give water to drink

HANDLING INFORMATION SHEET

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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
Place in suitable container for disposal
 - Waste disposal : Controlled landfill
According to local regulations
 - Handling : Normal hygiene
Avoid contact with skin
 - Storage : Away from heat
- NO HEALTH LABELING REQUIRED**

CONTROL MEASURES

- Personal : Avoid prolonged contact Use barrier creams
 - Ventilation: n/a
- =====

Date	Salesman	Ship When	Via
Order No.	Buyer	Customer No.	
Ad To.			



ColArt Americas, Inc.
 11 Constellation Avenue
 P.O. Box 1396
 Piscataway, N.J. 08855-1396
 (908) 562-0770 • Fax (908) 562-0940

SPECIAL INSTRUCTIONS HANDLING INFORMATION SHEET WINTON OIL COLOURS
 (NOT OTHERWISE SPECIFIED)

THE PRECEDING PAGES REFER TO COLOURS MARKED 'X' BELOW

Winton Oil Colours

CODE	TUBE NO.	COLOUR NAME	SERIES	CODE PREFIX		CODE	TUBE NO.	COLOUR NAME	SERIES	CODE PREFIX	
				1414 37ml QTY	1437 200ml QTY					1414 37ml QTY	1437 200ml QTY
004	1	Alizarin Crimson	1	X	X	317	23	Indian Red	1	X	X
074	2	Burnt Sienna	1	X	X	331	24	Ivory Black	1	X	X
076	3	Burnt Umber	1	X	X	337	25	Lamp Black	1	X	X
086	60	Cadmium Lemon	2			346	26	Lemon Yellow Hue	1	X	X
089	61	Cadmium Orange	2			362	27	Light Red	1	X	X
090	4	Cadmium Orange Hue	1	X	X	380	28	Magenta	1	X	X
095	5	Cadmium Red Hue	1	X	X	422	29	Naples Yellow Hue	1	X	X
098	6	Cadmium Red Deep Hue	1	X	X	459	31	Oxide of Chromium	1	X	X
099	63	Cadmium Red Medium	2			465	32	Payne's Gray	1	X	X
100	62	Cadmium Red Light	2			483	48	Permanent Green Light	1	X	X
109	9	Cadmium Yellow Hue	1	X	X	502	49	Permanent Rose	1	X	X
113	64	Cadmium Yellow Light	2			516	30	Phthalo Blue	1	X	X
115	46	Cadmium Yellow Deep Hue	1	X	X	538	33	Prussian Blue	1	X	X
116	65	Cadmium Yellow Medium	2			552	34	Raw Sienna	1	X	X
119	8	Cadmium Yellow Pale Hue	1	X	X	554	35	Raw Umber	1	X	X
137	66	Cerulean Blue	2			599	37	Sap Green	1	X	X
138	10	Cerulean Blue Hue	1	X	X	637	39	Terre Verte	1	X	X
178	67	Cobalt Blue	2			644	40	Titanium White	1		
179	15	Cobalt Blue Hue	1			676	41	Vandyke Brown	1	X	X
194	16	Cobalt Violet Hue	1			682	42	Vermillion Hue	1		
229	47	Dioxazine Purple	1	X	X	692	68	Viridian	2	X	X
245	19	Flake White	1			696	43	Viridian Hue	1	X	X
257	20	Flesh Tint	1			744	44	Yellow Ochre	1	X	X
263	21	French Ultramarine	1	X	X	748	45	Zinc White	1		

Soft Mixing White ASSORTMENTS Perm. Alizarin Crimson X

CODE	DESCRIPTION	QUANTITY
1494914(R)	37ml Assortment 3 tubes each of 48 colours. Rack Dimensions: 22 1/4"W x 38" H x 12" D	
1494902(R)	200ml Assortment 3 tubes each of 48 colours. Rack Dimensions: 35 1/4"W x 38" H x 12" D	

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

(R) Suffix denotes Assortment plus Display. Circle (R) if Display is required.

12-12-03 ✓

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-1003
-1004
-1006

Material Safety Data Sheet

WINSOR & NEWTON LIQUIN ORIGINAL

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 02/10/2003

Section II Hazard ingredients/identity information

Hazardous Components	CAS No.	OSHA PEL	ACGIH TLV
Low aromatic petroleum hydrocarbons	64742-47-8	no data	no data
2-Butanone oxime	96-29-7	no data	no data

Section III Physical/Chemical Characteristics

Boiling Point:	150-200 °C	Specific Gravity	0.89
Vapour pressure:	no data	Melting Point:	n/a °C
Vapour density:	no data	Evaporation rate	BuAc=1 < 1
Solubility in water :	Insoluble		
Appearance and odour	Pale amber liquid.Low hydrocarbon odour		

Section IV Fire and Explosion Hazard Data

Flash Point	ca.70 °C	closed cup	Flammable limits	LEL: 0.9 UEL: 6.0
Extinguishing Media	Carbon dioxide,dry chemical,foam.			
Special Fire Fighting Procedures	Combustible			
Unusual Fire and Explosion Hazards	none			

Section V Reactivity Data

Stability:	Unstable : no	Conditions to avoid :	none
	Stable : yes		
Incompatibility:	none known		
Hazardous Decomposition	no		
Hazardous Polymerisation	no		

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Section VI Health Hazard Data

Route of Entry	Inhalation?	<input checked="" type="checkbox"/>	Skin?	<input checked="" type="checkbox"/>	Ingestion?	<input checked="" type="checkbox"/>
Health Hazards:						
Inhalation of large quantities of vapour may cause dizziness, headache.						
Prolonged contact with skin may cause irritation.						
Carcinogenicity:						
	NTP:	n/a	IARC Monographs:	n/a		
	OSHA Regulated	n/a				
Signs and Symptoms of Exposure						
	Nausea, headache.					
Medical Conditions aggravated by exposure						
	Pre-existing respiratory disorders					
First Aid Procedures						
Eyes:	Wash with water for 10 minutes					
Skin:	Wash off with soap and 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
	Sweep up immediately
Waste Disposal Method	Controlled landfill
	As toxic waste
Precautions to be taken in Handling and Storage	
	Normal hygiene
	Avoid contact with skin
	Keep in closed containers
	Avoid extremes of temperature
Other precautions	None

Section VIII Control Measures

Respiratory protection	If large quantities being used NIOSH mask		
Ventilation	Ensure good extraction/ventilation		
	Local exhaust	fan	
	Mechanical	Fume hood advisable for large quantities	
Protective gloves	Not required	Eye protection	If handling large quantities
Other protective equipment	Protective clothing		
Work/Hygenic Practices	Avoid contact with skin and eyes		
	Use barrier creams		

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
 DANGER, HARMFUL OR FATAL IF SWALLOWED, COMBUSTIBLE, IRRITATING TO SKIN AND EYES, VAPOR HARMFUL, CONTAINS PETROLEUM DISTILLATES. Use only with adequate ventilation. KEEP OUT OF REACH OF CHILDREN.

If swallowed, do not induce vomiting. Call a physician or poison control center immediately. Get prompt medical attention.