

REV. 29. 2000 4-18-01 CARSONI, INC.



00482-XXXX

* Revd 01-02-01

MATERIAL SAFETY DATA SHEET

Required under OSHA's Hazard Communication Standard 29CFR 1910.1200

MANUFACTURER'S NAME : ROYAL TALENS
P.O. Box 4
7300 AA Apeldoorn, The Netherlands
EMERGENCY TELEPHONE NO : 800-256-3331
INFORMATION TELEPHONE NO. : (31) 55 - 5274700
DATE OF PREPARATION : November 9, 2000
NAME OF PREPARER : Jan Slief

SECTION I - PRODUCT IDENTIFICATION

PRODUCT NUMBER : 2000
PRODUCT NAME : Amsterdam Oil Colours
PRODUCT CLASS : Artist Oil Paint

SECTION II - HAZARDOUS INGREDIENTS

NO REPORTABLE COMPONENTS

SECTION III - PHYSICAL/CHEMICAL DATA

BOILING RANGE : N/A VOLATILE BY VOLUME : N/A
VAPOR DENSITY : N/A
EVAPORATION RATE : N/A
DENSITY : Not relevant

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION : N/A
EXTINGUISHING MEDIA : No special media required
UNUSUAL FIRE AND EXPLOSION HAZARDS : Not combustible
SPECIAL FIRE FIGHTING PROCEDURES : Not required

SECTION V - REACTIVITY DATA

STABILITY: Unstable [] Stable [X]
HAZARDOUS DECOMPOSITION PRODUCT : None
HAZARDOUS POLYMERIZATION : None
INCOMPATIBILITY (Materials to avoid) : None
CONDITIONS TO AVOID : None

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**SECTION VI - HEALTH HAZARD DATA**

PERMISSIBLE EXPOSURE LEVEL : N/A
PRIMARY ROUTES OF ENTRY: N/A
EFFECTS AND SYMPTOMS OF ACUTE EXPOSURE:
EFFECTS AND SYMPTOMS OF CHRONIC EXPOSURE:

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED : No special spill procedures required.

WASTE DISPOSAL : Dispose in accordance with federal, state and local regulations.

SECTION VIII - SAFE HANDLING AND USE INFORMATION

RESPIRATORY PROTECTION AND SPECIAL VENTILATION REQUIREMENTS: None required
OTHER PROTECTIVE EQUIPMENT (GLOVES, GOGGLES, ETC.): None required.
WORK/HYGIENE PRACTICES: Avoid prolonged contact with skin. Wash hands immediately after use.
When using do not eat, drink or smoke.

SECTION IX - ADDITIONAL INFORMATION AND WARNINGS

This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of Royal Talens

COLORNUMBERS AND NAMES IN THE AMSTERDAM OIL COLOUR RANGE

104	Zinc white
105	Titanium white
212	Cadmium yellow lemon (azo)
213	Cadmium yellow light (azo)
215	Cadmium yellow deep (azo)
216	Cadmium orange (azo)
227	Yellow ochre
234	Raw sienna
304	Cadmium red light (azo)
307	Cadmium red deep (azo)
331	Alizarin crimson
339	Light oxide red
362	Deep rose
408	Raw umber
409	Burnt umber
411	Burnt sienna
506	Ultramarine deep
508	Prussian blue
512	Cobalt blue (ultram.)
535	Cerulean blue (phthalo)
536	Violet
615	Emerald green
616	Viridian
617	Yellowish green
618	Permanent green light
629	Terre-verte
701	Ivory black

SAFETY DATA SHEETconforms to 91/155/EC
(ISO 11014)

Date: Februar 15, 2000

1. Identification of the product and the company**1.1. Product:** Amsterdam Oil Colours

Art. no.: 2600.C000

1.2. Company:Royal Talens, Sophialaan 46, 7311 PD, Apeldoorn, Holland
P.O. Box 4, 7300 AA
Tel. (0)55 - 5274 700, Telefax (0)55 - 5215 286

2. Composition/information on ingredients**Dangerous components** : This product is not considered to
be a hazardous product under
directive 88/379/EC**% by weight** :
CAS-no :
EINECS-no. :

3. Hazards identification:

n.a.

4. First-Aid measures**Inhalation** : n.a.**Skincontact** : Wash with soap and water.**Eye contact** : Flush with water; consult a physician.**Ingestion** : Consult a physician.

5. Fire-fighting measures:

n.a.

Product: Amsterdam Oil Colours

Art. no.: 2600.0000

6. **Accidental release measures:**
Absorb on a suitable substrate.

7. **Handling and storage:**
Clothes etc. used for cleaning may, when soaked with this product, may catch fire by spontaneous inflammation. To prevent, waste containers should be locked off air tight and/or suffused with water.

8. **Exposure controls/Personal protection:**
Wash hands after use.

9. **Physical and chemical properties:**

Characterization	:	Pigments dispersed in vegetable oils.
Form	:	paste
Odour	:	
pH	:	(20°C)
Viscosity	:	approx. 90.000 mPa.s (20°C)
Boilingpoint/-range*	:	°C
Meltingpoint/-range*	:	°C
Flashpoint*	:	n.a. °C
Ignitiontemperature*	:	n.a. °C
Explosionlimits*	:	lower: n.a.; upper: n.a.
Vapourpressure*	:	n.a. mbar (20°C)
Density*	:	1.1 - 2.3 g/m ³ (20°C)
Solubility in water*	:	insoluble g/l
Sol.in White Spirit*	:	miscible g/l

* items tested in accordance with 67/548/EC

Other information : Pigmentspecification per colour:
See attached list.

10. **Stability and reactivity:**
n.a.

Product: Amsterdam Oil Colours

Art. no.: 2600.0000

11. **Toxicological information:**
n.a.

12. **Ecological information:**
Avoid contamination of sewerage.

13. **Disposal considerations:**
Comply with local regulations.

14. **Transport information:**

UN-no. :
Land ADR/RID :
Water ADNR :
Sea IMDG :
Air ICAO/IATA-DGR :
Other information : No transport classification.
No restrictions.

15. **Regulatory information:**
This product is not considered to be a hazardous preparation under directive 83/379/EC.

16. **Other information:**

This information is accurate to the best knowledge of Royal Talens, however it is furnished without warranty, expressed or implied.

Pigments specification per colour:

The pigments used in our paint are indicated according to the Colour Index. The Colour Index is a system applied internationally to pigments and colouring agents used in all types of paint, thus including artists' colours. The system is based on a number and name relating to the chemical structure. The Colour Index was originally developed in the USA, which is why the descriptions of the chemical classes are given in English. The meaning of the abbreviations is as follows:

PW = pigment white
 PO = pigment orange
 PB = pigment blue
 PBk = pigment black

PY = pigment yellow
 PR = pigment red
 PV = pigment violet
 PBr = pigment brown

Colour no.	Colour name	Pigment(s)	Colour index	C.I. no.
WHITE				
104	Zinc white	Zinc oxide	PW4	77947
105	Titanium white	Titanium dioxide Zinc oxide	PW6 FW4	77891 77947
YELLOW/ORANGE				
227	Yellow ochre	Synthetic iron oxide	PY42	77492
234	Raw sienna	Natural iron oxide	PY43	77492
267	Azo yellow lemon	Arylide Zinc oxide	PY3 PW4	11710 77947
268	Azo yellow light	Arylide Zinc oxide	PY74 PW4	11741 77947
270	Azo yellow deep	Arylide Perinone Zinc oxide	PY74 PO43 PW4	11741 71105 77947
276	Azo orange	Pyrazoloquinazolone Arylide	PO67 PY3	12915 11710
RED				
312	Azo red light	Diarylide	PO34	21115
313	Azo red deep	Diarylide	PO34	21115
331	Madder lake deep	BON-arylide	PR57:1	15850:1
339	Light oxide red	Anthraquinone	PR83	58000:1
362	Deep rose	Synthetic iron oxide	PR101	77491
393	Azo red medium	BON-arylide Naphthol	PR57:1 PR112	15850:1 12370
BROWN				
408	Raw umber	Natural iron oxide	PBr7	77492
409	Burnt umber	Calcined natural iron oxide	PBr7	77491
411	Burnt sienna	Calcined natural iron oxide	PBr7	77491

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Colour no.	Colour name	Pigment (s)	Colour index	C. I. no.
<u>BLUE/VIOLET</u>				
504	Ultramarine	Polysulfide of sodium aluminosilicate	PB29	77007
508	Prussian blue	Ferric-ferrocyanine	PB27	77510
512	Cobalt blue ultr.	Polysulfide of sodium aluminosilicate	PB29	77007
535	Cerulean blue phthalo	Copper phthalocyanine	PB15	74160
536	Violet	Zinc oxide	PW4	77947
		Dioxazine	PV23	51319
		Quinacridone	PR122	73915
<u>GREEN</u>				
614	Permanent green medium	Chlorinated copper phthalocyanine	PG7	74260
615	Emerald green	Arylide	PY3	11710
		Zinc oxide	PW4	77947
		Zinc oxide	PW4	77947
		Arylide	PY3	11710
617	Yellowish green	Copper phthalocyanine	PB15	74160
		Chlorinated copper phthalocyanine	PG7	74260
		Arylide	PY74	11741
629	Terre-verte	Zinc oxide	PW4	77947
		Natural iron oxide	PY43	77492
		Calcined natural iron oxide	PBr7	77491
675	Phthalo green	Copper phthalocyanine	PB15	74160
		Chlorinated copper phthalocyanine	PG7	74260
<u>BLACK</u>				
701	Ivory black	Bone black	PBk9	77267

This information is accurate to the best knowledge of Royal Talens, however it is furnished without warranty, expressed or implied.

DEC.29.2000 4:15PM CANSOL, INC.

Product: Amsterdam Oil Colours, Prussian Blue

Art. no.: 2600.5080

6. **Accidental release measures:**
Absorb on a suitable substrate.
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7. **Handling and storage:**
Clothes etc. used for cleaning may, when soaked with this product, may catch fire by spontaneous inflammation. To prevent, waste containers should be locked off air tight and/or suffused with water.
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8. **Exposure controls/Personal protection:**
Wash hands before eating, drinking or smoking.
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9. **Physical and chemical properties:**
- | | | |
|-----------------------|---|-------------------------------------|
| Characterization | : | Pigment dispersed in vegetable oils |
| Form | : | paste |
| Odour | : | specific |
| pH | : | (20°C) |
| Viscosity | : | approx. 90.000 mPa.s (20°C) |
| Boilingpoint/-range* | : | °C |
| Meltingpoint/-range* | : | °C |
| Flashpoint* | : | n.a. °C |
| Ignitiontemperature* | : | n.a. °C |
| Explosionlimits* | : | lower: n.a.; upper: n.a. |
| Vapourpressure* | : | n.a. mbar (20°C) |
| Density* | : | 1.60 g/m ³ (20°C) |
| Solubility in water* | : | insoluble g/l |
| Sol. in White Spirit* | : | miscible g/l |

* items tested in accordance with 67/548/EC

Other information :

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10. **Stability and reactivity:**
n.a.

EC-25.2000 4-1991 CASOBY INC.

Product: Amsterdam Oil Colours, Prussian Blue

Art. no.: 2600.5080

11. Toxicological information:
n.a.

12. Ecological information:
Avoid contamination of sewerage.

13. Disposal considerations:
Comply with local regulations.

14. Transport information:

UN-no. :
Land ADR/RID :
Water ADNR :
Sea IMDG :
Air ICAO/IATA-DGR :
Other information : No transport classification.
No restrictions.

15. Regulatory information:
This product is not considered to be a hazardous preparation under directive 88/379/EC.

16. Other information:

This information is accurate to the best knowledge of Royal Talens, however it is furnished without warranty, expressed or implied.