

**00417-1109****MATERIAL SAFETY DATA SHEET**

Required under OSHA's Hazard Communication Standard 29CFR 1910.1200

**PRODUCT IDENTIFICATION**

PRODUCT NUMBER : 01000.0000  
 PRODUCT NAME : Rembrandt Oil Colours

**SECTION I**

MANUFACTURER : ROYAL TALENS  
 P.O.Box 4  
 7300 AA Apeldoorn, The Netherlands  
 EMERGENCY TELEPHONE NO. : 800-258-3331  
 INFORMATION TELEPHONE NO : (31) 55 5274700  
 DATE OF PREPARATION : 3 may 2006

**SECTION II - HAZARDOUS INGREDIENTS****REPORTABLE COMPONENTS**

For Color#	Ingredient	CAS#	Max % by Wt	PEL/TLV	NTP	IARC
515.539,610,682	Soluble Cobalt	7440-48-4	1	0.05	Y	Y

**SECTION III - PHYSICAL/CHEMICAL DATA**

BOILING POINT: Not relevant  
 VAPOR PRESSURE: Not relevant  
 VAPOR DENSITY: Not relevant  
 SOLUBILITY IN WATER: N.A.  
 APPEARANCE AND ODOR: Paste; smell of vegetable oil  
 SPECIFIC GRAVITY (H<sub>2</sub>O=1): Not relevant  
 MELTING POINT : N.A.  
 EVAPORATION RATE: N.A.

**SECTION IV - FIRE AND EXPLOSION HAZARD DATA**

FLASH POINT: N.A.                      FLAMMABLE LIMITS: LEL= N.A      UEL= N.A.  
 EXTINGUISHING MEDIA : N.A.  
 SPECIAL FIRE FIGHTING PROCEDURES : N.A.  
 UNUSUAL FIRE AND EXPLOSION HAZARDS : N A

**SECTION V - REACTIVITY DATA**

STABILITY : Unstable [ ] Stable [X]      Conditions to avoid : N.A.  
 INCOMPATIBILITY (Materials to avoid) : N.A.  
 HAZARDOUS DECOMPOSITION PRODUCT : N.A.  
 HAZARDOUS POLYMERIZATION : May occur [ ] Will not occur [X]      Conditions to avoid: N A

N A. = Not Applicable

<b>SECTION VI - HEALTH HAZARD DATA</b>
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**COLOR# 515, 539, 610 AND 682 :**

**PERMISSIBLE EXPOSURE LEVEL :** SEE SECTION II FOR COMPONENT PEL/TLV

**PRIMARY ROUTES OF ENTRY:** INHALATION, INGESTION, EYE, SKIN

**EFFECTS AND SYMPTOMS OF ACUTE EXPOSURE:** MAY BE HARMFUL IF SWALLOWED

**EFFECTS AND SYMPTOMS OF CHRONIC EXPOSURE:** INHALATION EXPOSURE MAY CAUSE

RESPIRATORY ALLERGIES. SKIN CONTACT MAY CAUSE ALLERGIC SKIN RASHES. CANCER

AGENT BY INHALATION BASED ON EXPERIMENTAL DATA. EXPOSURE MAY CAUSE DAMAGE TO

THE HEART OR LUNGS

EXPOSURE MAY RESULT IN ITCHINESS OF THE SKIN WITH HIVES OR ECZEMA. CHRONIC

EXPOSURE MAY RESULT IN SHORTNESS OF BREATH, EASY FATIGABILITY AND CHEST PAIN.

**CARCINOGEN LISTING:** NTP: YES IARC: YES

**MEDICAL CONDITIONS USUALLY AGGRAVATED BY EXPOSURE TO THIS PRODUCT:** CHRONIC

DERMATITIS. HEART DISEASE

**FIRST AID MEASURES:** If swallowed, get prompt medical attention.

<b>SECTION VII – PRECAUTIONS FOR SAFE HANDLING AND USE</b>
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**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED :** No special spill procedures

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

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:** N A

**OTHER PRECAUTIONS:** N A.

<b>SECTION VIII – CONTROL MEASURES</b>
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**RESPIRATORY PROTECTION:** None required.

**VENTILATION:** None required.

**PROTECTIVE GLOVES:** None required.

**EYE PROTECTION:** None required

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** None required.

**WORK/HYGIENE PRACTICES:** Avoid prolonged contact with skin Do not spray apply. Wash hands immediately after use When using do not eat, drink or smoke

**ADDITIONAL INFORMATION AND WARNINGS**

- **LHAMA labeling:** For color# 515, 539, 610 and 682: **WARNING:** MAY BE HARMFUL IF SWALLOWED, EXPOSURE MAY CAUSE ALLERGIC REACTIONS. EXPOSURE MAY CAUSE DAMAGE TO THE HEART **CONTAINS:** SOLUBLE COBALT. **PRECAUTIONS:** Avoid prolonged contact with skin. Do not spray apply Wash hands immediately after use When using do not eat, drink or smoke. **KEEP OUT OF REACH OF CHILDREN. FIRST AID:** If swallowed, get prompt medical attention
- In conformance with the Californian Safe Drinking Water and Toxic Enforcement Act (Proposition 65) the following labeling is applicable:  
 For color# 242, 513, 515, 517,534, 539, 586, 610 and 682:  
**WARNING:** This product contains a chemical known to the state of California to cause cancer  
 For color# 207, 208, 210, 211, 271, 303, 306, 309 and 314:  
**WARNING:DO NOT SPRAY APPLY—**This product contains cadmium, a chemical known to the state of California to cause cancer by means of inhalation

**All other colors in this product range bear the AP (approved product) or HL (health label)–Non Toxic Seal of the Art & Creative Materials Institute, Inc. This means that these colors are certified in a program of toxicological evaluation by a medical expert to contain no materials in sufficient quantities to be toxic or injurious to humans or to cause acute or chronic health problems.**

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**MATERIAL SAFETY DATA SHEET**

Required under OSHA's Hazard Communication Standard 29CFR 1910.1200

**PRODUCT IDENTIFICATION**

PRODUCT NUMBER : 2400.0002  
 PRODUCT NAME : Picture Varnish Glossy

**SECTION I**

MANUFACTURER : ROYAL TALENS  
 P.O.Box 4  
 7300 AA Apeldoorn, The Netherlands  
 EMERGENCY TELEPHONE NO. : 800-258-3331  
 INFORMATION TELEPHONE NO : (31) 55 5274700  
 DATE OF PREPARATION : 23 september 2003

**SECTION II - HAZARDOUS INGREDIENTS**

Ingredient	CAS#	% By Wt	PEL(OSHA)	TLV(ACGIH)	NTP	IARC
Oil of turpentine	8006-64-2	30-45	560 mg/m3	556 mg/m3	N	N
Petroleum hydrocarbons	64742-82-1	20-35	525 mg/m3	525 mg/m3	N	N

**SECTION III - PHYSICAL/CHEMICAL DATA**

BOILING POINT: >150°C  
 VAPOR PRESSURE: approx. 5 mbar  
 VAPOR DENSITY: Heavier than air  
 SOLUBILITY IN WATER: Insoluble  
 APPEARANCE AND ODOR: Liquid. Smell of turpentine.  
 SPECIFIC GRAVITY (H2O=1): 0.91  
 MELTING POINT : N.A.  
 EVAPORATION RATE: Slower than ether

**SECTION IV - FIRE AND EXPLOSION HAZARD DATA**

FLASH POINT: 37°C  
 FLAMMABLE LIMITS: LEL= 0.7% UEL= 6.0%  
 EXTINGUISHING MEDIA : Foam, CO2, Dry chemical  
 SPECIAL FIRE FIGHTING PROCEDURES : Water may be ineffective. Water should be used to cool containers exposed to fire.  
 UNUSUAL FIRE AND EXPLOSION HAZARDS : N.A.

**SECTION V - REACTIVITY DATA**

STABILITY : Unstable [ ] Stable [X] Conditions to avoid : N.A.  
 INCOMPATABILITY (Materials to avoid) : Acids, acidic materials and strong oxidizers.  
 HAZARDOUS DECOMPOSITION PRODUCT : Burning may produce carbon oxides.  
 HAZARDOUS POLYMERIZATION : May occur [X] Will not occur [ ] Conditions to avoid: Acids may cause hazardous polymerization.

N.A. = Not Applicable

**SECTION VI - HEALTH HAZARD DATA**

ROUTE OF ENTRY: Inhalation [X] Skin [X] Ingestion [X]

HEALTH HAZARDS : Exposure may result in nausea, headache, confusion or instability. Exposure may result in irritation of the eyes or chest. Prolonged contact with the skin may lead to extraction of natural oils with resultant mild irritation.

CARCINOGENICITY : NTP [ ] IARC monographs [ ] OSHA regulated [ ]

SIGNS AND SYMPTOMS OF EXPOSURE: See HEALTH HAZARDS.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Some skin conditions may be aggravated.

EMERGENCY AND FIRST AID PROCEDURES: Inhalation: Remove to fresh air. Skin contact: Wash skin with soap and water for 15 minutes. If irritation persists, consult a physician. Eye contact: Remove contact lenses. Flush with water for 15 minutes. If irritation persists repeat flushing. Consult a physician immediately. Ingestion: Do not induce vomiting. Drink 1 or 2 glasses of water. Consult a physician.

**SECTION VII – PRECAUTIONS FOR SAFE HANDLING AND USE**

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED : Provide sufficient ventilation. Remove all sources of ignition. Absorb on a suitable substrate.

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

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Use only in well ventilated areas. Avoid skin contact. Keep in closed containers. Store containers out of sun and away from heat, sparks and flame.

OTHER PRECAUTIONS: None known.

**SECTION VIII – CONTROL MEASURES**

VENTILATION: Provide sufficient ventilation to keep vapor concentrations below PEL/TLV and LEL value.  
RESPIRATORY PROTECTION: Wear NIOSH approved respirator if exposure cannot be controlled by ventilation.

PROTECTIVE GLOVES: In case of prolonged or repeated contact.

EYE PROTECTION: Use safety eyewear if splashing can occur.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Prevent prolonged skin contact with contaminated clothing.

WORK/HYGIENE PRACTICES: Wash hands after use. When using do not eat, drink or smoke.

**ADDITIONAL INFORMATION AND WARNINGS**

DANGER: COMBUSTIBLE. HARMFUL OR FATAL IF SWALLOWED. VAPOR HARMFUL.

CONTAINS: OIL OF TURPENTINE, PETROLEUM DISTILLATES

PRECAUTIONS: Avoid ingestion. Do not store or use near heat or flame. Use only with adequate ventilation. KEEP OUT OF REACH OF CHILDREN

FIRST AID: If swallowed, do not induce vomiting. Call a physician or poison control center immediately. Get prompt medical attention. For further health information contact a poison control center or call 800-258-3331

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**MATERIAL SAFETY DATA SHEET**

Required under OSHA's Hazard Communication Standard 29CFR 1910.1200

**PRODUCT IDENTIFICATION**

PRODUCT NUMBER : 2400.0083  
 PRODUCT NAME : Painting Medium

**SECTION I**

MANUFACTURER : ROYAL TALENS  
 P.O.Box 4  
 7300 AA Apeldoorn, The Netherlands  
 EMERGENCY TELEPHONE NO. : 800-258-3331  
 INFORMATION TELEPHONE NO : (31) 55 5274700  
 DATE OF PREPARATION : 23 september 2003

**SECTION II - HAZARDOUS INGREDIENTS**

Ingredient	CAS#	% By Wt	PEL(OSHA)	TLV(ACGIH)	NTP	IARC
Petroleum hydrocarbons	64742-82-1	20-35	525 mg/m3	525 mg/m3	N	N
Aliphatic hydrocarbon	64742-47-8	30-45	--	1200mg/m3	N	N

**SECTION III - PHYSICAL/CHEMICAL DATA**

BOILING POINT: >150°C  
 VAPOR PRESSURE: approx. 3 mbar  
 VAPOR DENSITY: Heavier than air  
 SOLUBILITY IN WATER: Insoluble  
 APPEARANCE AND ODOR: Liquid. Smell of White spirit  
 SPECIFIC GRAVITY (H2O=1): 0.85  
 MELTING POINT : N.A.  
 EVAPORATION RATE: Slower than ether

**SECTION IV - FIRE AND EXPLOSION HAZARD DATA**

FLASH POINT: 43°C  
 EXTINGUISHING MEDIA : Foam, CO2, Dry chemical  
 SPECIAL FIRE FIGHTING PROCEDURES : Water may be ineffective. Water should be used to cool containers exposed to fire.  
 UNUSUAL FIRE AND EXPLOSION HAZARDS : N.A.  
 FLAMMABLE LIMITS: LEL= 0.6% UEL= 6.5% .

**SECTION V - REACTIVITY DATA**

STABILITY : Unstable [ ] Stable [X] Conditions to avoid : N.A.  
 INCOMPATIBILITY (Materials to avoid) : N.A.  
 HAZARDOUS DECOMPOSITION PRODUCT : Burning may produce carbon oxides.  
 HAZARDOUS POLYMERIZATION : May occur [ ] Will not occur [X] Conditions to avoid: N.A.

N.A. = Not Applicable

**SECTION VI - HEALTH HAZARD DATA**

ROUTE OF ENTRY: Inhalation [X] Skin [X] Ingestion [X]

HEALTH HAZARDS : Exposure may result in nausea, headache, confusion or instability. Exposure may result in irritation of the eyes or chest. Prolonged contact with the skin may lead to extraction of natural oils with resultant mild irritation.

CARCINOGENICITY : NTP [ ] IARC monographs [ ] OSHA regulated [ ]

SIGNS AND SYMPTOMS OF EXPOSURE: See HEALTH HAZARDS.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Some skin conditions may be aggravated.

EMERGENCY AND FIRST AID PROCEDURES: Inhalation: Remove to fresh air. Skin contact: Wash skin with soap and water for 15 minutes. If irritation persists, consult a physician. Eye contact: Remove contact lenses. Flush with water for 15 minutes. If irritation persists repeat flushing. Consult a physician immediately. Ingestion: Do not induce vomiting. Drink 1 or 2 glasses of water. Consult a physician.

**SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE**

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED : Provide sufficient ventilation. Remove all sources of ignition. Absorb on a suitable substrate.

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

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Use only in well ventilated areas. Avoid skin contact. Keep in closed containers. Store containers out of sun and away from heat, sparks and flame.

OTHER PRECAUTIONS: None known.

**SECTION VIII - CONTROL MEASURES**

VENTILATION: Provide sufficient ventilation to keep vapor concentrations below PEL/TLV and LEL value.

RESPIRATORY PROTECTION: Wear NIOSH approved respirator if exposure cannot be controlled by ventilation.

PROTECTIVE GLOVES: In case of prolonged or repeated contact.

EYE PROTECTION: Use safety eyewear if splashing can occur.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Prevent prolonged skin contact with contaminated clothing.

WORK/HYGIENE PRACTICES: Wash hands after use. When using do not eat, drink or smoke

**ADDITIONAL INFORMATION AND WARNINGS**

DANGER: COMBUSTIBLE. VAPOR HARMFUL.

CONTAINS: PETROLEUM DISTILLATES

PRECAUTIONS: Do not store or use near heat or flame. Use only with adequate ventilation. KEEP OUT OF REACH OF CHILDREN

For further health information contact a poison control center or call 800-258-3331

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ROYAL  TALENS

## SAFETY DATA SHEET

conforms to 91/155/EC (ISO 11014)

### 1 IDENTIFICATION OF THE PRODUCT AND THE COMPANY

- 1.1. **Product:** Odourless White Spirit 089  
**Art. no.:** 2400.0089
- 1.2. **Company:** Royal Talens  
 Sophialaan 46, 7311 PD, Apeldoorn, the Netherlands  
 P.O. Box 4, 7300 AA, Apeldoorn, the Netherlands  
 Telephone +31 (0)55 - 5274700  
 Telefax +31 (0)55 - 5215286  
 www.talens.com

### 2 COMPOSITION AND INFORMATION ON INGREDIENTS

**Dangerous components:** Petroleumdestillates  
**% by weight:** 100  
**CAS-no.:** 64741-65-7  
**EINECS-no.:** 265-067-2  
**Symbols:** Xn  
**R-phases:** 65,66

### 3 HAZARDS IDENTIFICATION

Harmful.  
 For more information see 15.

### 4 FIRST-AID MEASURES

**Inhalation:** Move to fresh air.  
**Skin contact:** Wash affected areas with soap and water.  
 Remove contaminated clothing  
**Eye contact:** Flush immediately with large amounts of water for 15 minutes. Consult a physician.  
**Ingestion:** Drink water to dilute. Do not induce vomiting. Consult a physician.

### 5 FIRE-FIGHTING MEASURES

Suitable: foam, CO<sub>2</sub>, dry chemical.

### 6 ACCIDENTAL RELEASE MEASURES

Provide sufficient ventilation. Remove all sources of ignition. Absorb on a suitable substrate.

**Product:** Odourless White Spirit  
**Art.no.:** 2400.0089

**Rev. date:** August 1, 2002  
**Page:** 1/3

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## ROYAL TALENS

### 7 HANDLING AND STORAGE

Use only in well-ventilated areas. Store containers out of sun and away from heat, sparks and flames.

### 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

Provide sufficient ventilation to keep vapour-concentration low. Use protective gloves in case of prolonged or repeated contact. Wash hands before eating, drinking or smoking.

### 9 PHYSICAL AND CHEMICAL PROPERTIES

Characterization:	Aliphatic hydrocarbons		
Form:	Liquid		
Odour:	Slight		
pH:		(20°C)	
Viscosity:		mPa.s (20°C)	
Boilingpoint/-range*:	approx. 185-215	°C	
Meltingpoint/-range*:			°C
Flashpoint*:	approx. 60	°C	
Ignitiontemperature*:	approx. 405	°C	
Explosionlimits*:	lower: 1.1 vol %; upper: 6.5 vol %		
Vapourpressure*:	approx. 1	mbar (20°C)	
Density*:	0.76	g/cm <sup>3</sup> (20°C)	
Solubility in water*:	insoluble	g/l	
Solubility in white spirit*:	completely	g/l	

\* items tested in accordance with 67/548/EC

Other information:

### 10 STABILITY AND REACTIVITY

N.a.

### 11 TOXICOLOGICAL INFORMATION

Excessive inhalation of vapours may cause dizziness and headache. Prolonged skin contact may lead to extraction of natural oils with resultant mild irritation. Eyecontact may cause irritation.

### 12 ECOLOGICAL INFORMATION

Avoid contamination of sewerage.

### 13 DISPOSAL CONSIDERATIONS

Comply with local regulations.

Product: Odourless White Spirit  
Art.no.: 2400.0089

Rev. date: August 1, 2002  
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**ROYAL TALENS**



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**14 TRANSPORT INFORMATION**

UN-no.:	1300
Land ADR/RID:	3
Water ADNR:	
Sea IMDG:	3
Air ICAO/IATA-DGR:	3
Packing group:	III
Other information:	

**15 REGULATORY INFORMATION**

Labelling in accordance with directive 1999/45/EC.

<b>Classification</b>	Harmful
<b>Symbol</b>	
<b>Risk phrase</b>	<p>Contains petroleumdestillates</p> <p>R53 – May cause long-term adverse effects in the aquatic environment</p> <p>R65 – Harmful : may cause lung damage if swallowed</p> <p>R66 – Repeated exposure may cause skin dryness or cracking</p>
<b>Safety phrase</b>	<p>S2 – Keep out of reach of children</p> <p>S24 – Avoid contact with skin</p> <p>S46 – If swallowed, seek medical advice immediately and show this container or label</p> <p>S51 – Use only in well-ventilated areas</p>

**16 OTHER INFORMATION**

Product: Odourless White Spirit  
 Art.no.: 2400.0089

Rev. date: August 1, 2002  
 Page: 3/3

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## 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. : 800-258-3331  
 INFORMATION TELEPHONE NO. : (31) 55 - 5274700  
 DATE OF PREPARATION : October 10, 2000  
 NAME OF PREPARER : Jan Slief

### SECTION I - PRODUCT IDENTIFICATION

PRODUCT NUMBER : 24000086 *75 ML 250 ML*  
 PRODUCT NAME : Glazing Medium *550-3085 + 3086*  
 PRODUCT CLASS : Medium for artist oil paint

### SECTION II - HAZARDOUS INGREDIENTS

Ingredient	CAS#	% BY Wt	PEL/TLV	NTP	IARC
Petroleumdistillates	64742-82-1	30-50	525	N	N
Leadcarboxylate	68603-83-8	<0.5	0.15	Y	Y

### SECTION III - PHYSICAL/CHEMICAL DATA

BOILING RANGE : >150°C VOLATILE BY VOLUME : 45-50  
 VAPOR DENSITY : Heavier than air  
 EVAPORATION RATE : Slower than ether  
 DENSITY : 0.94 kg/l

### SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION : OSHA:II DOT: Combustible liquid  
 FLASHPOINT: 40°C LEL: 0.6  
 EXTINGUISHING MEDIA : Foam, CO2, Dry Chemical  
 UNUSUAL FIRE AND EXPLOSION HAZARDS : None known  
 SPECIAL FIRE FIGHTING PROCEDURES : Water may be ineffective. Water should be used to cool containers exposed to fire.

### SECTION V - REACTIVITY DATA

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



#### SECTION VI - HEALTH HAZARD DATA

**PERMISSIBLE EXPOSURE LEVEL :** See section II for component PEL/TLV

**PRIMARY ROUTES OF ENTRY:** Inhalation, ingestion, eye, skin

**EFFECTS AND SYMPTOMS OF ACUTE EXPOSURE:** Excessive inhalation of vapors may result in nausea, headache, confusion or instability. Exposure may result in irritation of the eyes or chest.

Prolonged contact with the skin may lead to extraction of natural oils with resultant mild irritation.

**EFFECTS AND SYMPTOMS OF CHRONIC EXPOSURE:** Cancer agent based on tests with laboratory animals. May cause damage to the testes. May result in difficulty with reproduction (child bearing). May cause harm to the developing fetus. May cause nervous system, kidney or bone marrow damage.

**CARCINOGEN LISTING:** NTP: Yes IARC: Yes

**MEDICAL CONDITIONS USUALLY AGGRAVATED BY EXPOSURE TO THIS PRODUCT:**

**FIRST AID MEASURES:**

- Inhalation: Move to fresh air.
- Skin contact: Wash affected areas with soap.
- Eye contact: Flush immediately with large amounts of water for 15 minutes. Consult a physician.
- Ingestion: Drink 1 or 2 glasses of water to dilute. Do not induce vomiting. Consult a physician.

#### SECTION VII - SPILL OR LEAK PROCEDURES

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED :** Remove all sources of ignition. Avoid breathing vapors. Refer to protective measures listed in sections IV, V, VI, VIII and IX. Ventilate area. Absorb on a suitable medium.

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

#### SECTION VIII - SAFE HANDLING AND USE INFORMATION

**RESPIRATORY PROTECTION AND SPECIAL VENTILATION REQUIREMENTS:** Provide sufficient ventilation to keep vapor concentrations below the given TLV and LEL value.

**OTHER PROTECTIVE EQUIPMENT (GLOVES, GOGGLES, ETC.):** Use gloves in case of prolonged or repeated contact.

**WORK/HYGIENE PRACTICES:** Prevent prolonged skin contact with contaminated clothing. Wash hands immediately after use. When using do not eat, drink or smoke.

#### SECTION IX – ADDITIONAL INFORMATION AND WARNINGS

- LHAMA labeling: WARNING: MAY BE HARMFUL IF SWALLOWED, CANCER AGENT BASED ON EXPERIMENTAL DATA. EXPOSURE MAY CAUSE HARM TO THE DEVELOPING FETUS, DAMAGE TO THE TESTES OR DIFFICULTY WITH REPRODUCTION (CHILD BEARING). EXPOSURE MAY CAUSE NERVOUS SYSTEM, KIDNEY OR BONE MARROW DAMAGE. CONTAINS: LEAD. PRECAUTIONS: Wash hands immediately after use. When using do not eat, drink or smoke. Wear a work apron. Keep in original container. AVOID USING IF PREGNANT OR CONTEMPLATING PREGNANCY. NOT FOR USE IN HEALTH CARE FACILITIES. KEEP OUT OF REACH OF CHILDREN. FIRST AID: If swallowed, get prompt medical attention.
- In conformance with the Californian Safe Drinking Water and Toxic Enforcement Act (Proposition 65) the following labeling is applicable: WARNING: This product contains lead, a chemical known to the state of California to cause cancer and birth defects or other reproductive harm.

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**MATERIAL SAFETY DATA SHEET**

Required under OSHA's Hazard Communication Standard 29CFR 1910.1200

**PRODUCT IDENTIFICATION**

PRODUCT NUMBER : 2400.0004  
 PRODUCT NAME : Retouching Varnish

**SECTION I**

MANUFACTURER : ROYAL TALENS  
 P.O.Box 4  
 7300 AA Apeldoorn, The Netherlands  
 EMERGENCY TELEPHONE NO. : 800-258-3331  
 INFORMATION TELEPHONE NO : (31) 55 5274700  
 DATE OF PREPARATION : 23 september 2003

**SECTION II - HAZARDOUS INGREDIENTS**

Ingredient	CAS#	% By Wt	PEL(OSHA)	TLV(ACGIH)	NTP	IARC
Petroleum hydrocarbons	64742-82-1	55-70	525 mg/m3	525 mg/m3	N	N
Oil of turpentine	8006-64-2	5-20	560 mg/m3	556 mg/m3	N	N
2-propanol	67-63-0	<5	980 mg/m3	980 mg/m3	N	N

**SECTION III - PHYSICAL/CHEMICAL DATA**

BOILING POINT: >150°C  
 VAPOR PRESSURE: approx. 5 mbar  
 VAPOR DENSITY: Heavier than air  
 SOLUBILITY IN WATER: Insoluble  
 APPEARANCE AND ODOR: Liquid. Smell of turpentine.  
 SPECIFIC GRAVITY (H2O=1): 0.91  
 MELTING POINT : N.A.  
 EVAPORATION RATE: Slower than ether

**SECTION IV - FIRE AND EXPLOSION HAZARD DATA**

FLASH POINT: 20°C  
 FLAMMABLE LIMITS: LEL= 0.6% UEL= 12%  
 EXTINGUISHING MEDIA : Foam, CO2, Dry chemical  
 SPECIAL FIRE FIGHTING PROCEDURES : Water may be ineffective. Water should be used to cool containers exposed to fire.  
 UNUSUAL FIRE AND EXPLOSION HAZARDS : N.A.

**SECTION V - REACTIVITY DATA**

STABILITY : Unstable [ ] Stable [X] Conditions to avoid : N.A.  
 INCOMPATIBILITY (Materials to avoid) : Acids, acidic materials and strong oxidizers  
 HAZARDOUS DECOMPOSITION PRODUCT : Burning may produce carbon oxides  
 HAZARDOUS POLYMERIZATION : May occur [X] Will not occur [ ] Conditions to avoid: Acids may cause hazardous polymerization.

N.A. = Not Applicable

**SECTION VI - HEALTH HAZARD DATA**

ROUTE OF ENTRY: Inhalation [X] Skin [X] Ingestion [X]

HEALTH HAZARDS : Exposure may result in nausea, headache, confusion or instability. Exposure may result in irritation of the eyes or chest. Prolonged contact with the skin may lead to extraction of natural oils with resultant mild irritation.

CARCINOGENICITY : NTP [ ] IARC monographs [ ] OSHA regulated [ ]

SIGNS AND SYMPTOMS OF EXPOSURE: See HEALTH HAZARDS.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Some skin conditions may be aggravated.

EMERGENCY AND FIRST AID PROCEDURES: Inhalation: Remove to fresh air. Skin contact: Wash skin with soap and water for 15 minutes. If irritation persists, consult a physician. Eye contact: Remove contact lenses. Flush with water for 15 minutes. If irritation persists repeat flushing. Consult a physician immediately. Ingestion: Do not induce vomiting. Drink 1 or 2 glasses of water. Consult a physician.

**SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE**

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED : Provide sufficient ventilation. Remove all sources of ignition. Absorb on a suitable substrate.

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

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Use only in well ventilated areas. Avoid skin contact. Keep in closed containers. Store containers out of sun and away from heat, sparks and flame.

OTHER PRECAUTIONS: None known.

**SECTION VIII - CONTROL MEASURES**

VENTILATION: Provide sufficient ventilation to keep vapor concentrations below PEL/TLV and LEL value.

RESPIRATORY PROTECTION: Wear NIOSH approved respirator if exposure cannot be controlled by ventilation.

PROTECTIVE GLOVES: In case of prolonged or repeated contact.

EYE PROTECTION: Use safety eyewear if splashing can occur.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Prevent prolonged skin contact with contaminated clothing.

WORK/HYGIENE PRACTICES: Wash hands after use. When using do not eat, drink or smoke.

**ADDITIONAL INFORMATION AND WARNINGS**

DANGER: COMBUSTIBLE. HARMFUL OR FATAL IF SWALLOWED. VAPOR HARMFUL.

CONTAINS: OIL OF TURPENTINE, PETROLEUM DISTILLATES

PRECAUTIONS: Do not store or use near heat or flame. Use only with adequate ventilation. KEEP OUT OF REACH OF CHILDREN

FIRST AID: If swallowed, do not induce vomiting. Call a physician or poison control center immediately. Get prompt medical attention. For further health information contact a poison control center or call 800-258-3331

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