

## SAFETY DATA SHEET

### WINSOR & NEWTON DISTILLED TURPENTINE

#### 1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

PRODUCT NAME	WINSOR & NEWTON DISTILLED TURPENTINE		
PRODUCT NO.	3000965		
APPLICATION	Thinner for Oil Painting		
SUPPLIER	Colart Fine Art & Graphics Limited Whitefriars Avenue Harrow Middlesex HA3 5RH +44 (0) 208 4274343 44 (0) 208 42433217	MANUFACTURER	Colart Fine Art & Graphics Limited Whitefriars Avenue Harrow Middlesex HA3 5RH +44 (0) 208 4274343 44 (0) 208 42433217

#### 2 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
TURPENTINE, OIL	232-350-7	8006-64-2	60-100%	Xn;R20/21/22,R65. Xi;R36/38. N;R51/53. R10,R43.

The Full Text for all R-Phrases are Displayed in Section 16

EU INDEX NO.	650-002-00-6
EC (EINECS) NO.	232-350-7

#### 3 HAZARDS IDENTIFICATION

Harmful by inhalation, in contact with skin and if swallowed. Harmful: may cause lung damage if swallowed. Irritating to eyes and skin. May cause sensitisation by skin contact. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

CLASSIFICATION Xn;R20/21/22, R65. Xi;R36/38. R43. N;R51/53.

#### 4 FIRST-AID MEASURES

##### GENERAL INFORMATION

Consult a physician for specific advice.

##### INHALATION

Move the exposed person to fresh air at once. Perform artificial respiration if breathing has stopped. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Keep the affected person warm and at rest. Get prompt medical attention.

##### INGESTION

NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS!

##### SKIN CONTACT

Remove affected person from source of contamination. Promptly wash contaminated skin with soap or mild detergent and water. Promptly remove clothing if soaked through and wash as above.

##### EYE CONTACT

Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.

#### 5 FIRE-FIGHTING MEASURES

##### EXTINGUISHING MEDIA

Water spray, fog or mist. Foam. Carbon dioxide (CO<sub>2</sub>). Dry chemicals, sand, dolomite etc.

##### SPECIAL FIRE FIGHTING PROCEDURES

Keep run-off water out of sewers and water sources. Dike for water control. Move container from fire area if it can be done without risk. If risk of water pollution occurs, notify appropriate authorities.

##### UNUSUAL FIRE & EXPLOSION HAZARDS

Oxidizes readily in air to unstable peroxides that may explode spontaneously. May explode in a fire. May form explosive or toxic mixtures with air. May explode when heated or when exposed to flames or sparks. May travel considerable distance to source of ignition and flash back. Vapour explosion and poison hazard indoors, outdoors and in sewers. May ignite other combustible materials.

#### 6 ACCIDENTAL RELEASE MEASURES

## WINSOR & NEWTON DISTILLED TURPENTINE

### SPILL CLEAN UP METHODS

Ventilate well, stop flow of gas or liquid if possible. Remove ignition sources. Do not allow chemical to enter confined spaces such as sewers due to explosion risk. Sewers designed to preclude formation of explosive concentrations of vapour may be permitted. Absorb small quantities with paper towels and evaporate in safe place (fume hood). Allow sufficient time for vapours to completely clear the hood ducts, then burn the paper in a location away from combustible materials. Collect with non-combustible absorbent material. Flush with water. Dike for large spills. Let evaporate. Keep out of confined spaces because of explosion risk. Provide ventilation and confine spill. Do not allow runoff to sewer.

## 7 HANDLING AND STORAGE

### USAGE PRECAUTIONS

Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level. Avoid acids, moisture, and combustible materials. Read and follow manufacturer's recommendations.

### STORAGE PRECAUTIONS

Flammable/combustible - Keep away from oxidisers, heat and flames. Store in tightly closed original container in a dry, cool and well-ventilated place. Ground container and transfer equipment to eliminate static electric sparks.

### STORAGE CLASS

Chemical storage.

## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

### ENGINEERING MEASURES

Provide adequate general and local exhaust ventilation.

### HAND PROTECTION

For exposure of 4 to 8 hours use gloves made of: Polyvinyl alcohol (PVA). P.T.F.E (Teflon).

### EYE PROTECTION

Wear approved chemical safety goggles where eye exposure is reasonably probable.

### OTHER PROTECTION

Use engineering controls to reduce air contamination to permissible exposure level. Provide eyewash, quick drench. Wear appropriate clothing to prevent any possibility of skin contact.

### HYGIENE MEASURES

Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet. Promptly remove any clothing that becomes wet or contaminated. Isolate contaminated clothing and wash before reuse.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Liquid		
COLOUR	Yellowish		
ODOUR	Turpentine.		
SOLUBILITY	Insoluble in water Soluble in Alcohol Benzene. Chloroform Acetic acid.		
BOILING POINT (°C)	154 - 170	RELATIVE DENSITY	0.86 - 0.88
VAPOUR DENSITY (air=1)	4.84	VAPOUR PRESSURE	5 mmHg
FLASH POINT (°C)	> 35 CC (Closed cup).	AUTO IGNITION	253
		TEMPERATURE (°C)	
FLAMMABILITY LIMIT - LOWER(%)	0.80	FLAMMABILITY LIMIT - UPPER(%)	6.0

## 10 STABILITY AND REACTIVITY

### STABILITY

Stable under normal temperature conditions. Avoid: Air and oxidisers. Light.

### CONDITIONS TO AVOID

Avoid heat.

### HAZARDOUS POLYMERISATION

May polymerise.

### HAZARDOUS DECOMPOSITION PRODUCTS

Oxides of: Carbon.

## 11 TOXICOLOGICAL INFORMATION

TOXIC DOSE 1 - LD 50                      5760 mg/kg (oral rat)

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**HEALTH WARNINGS**

Gas or vapour is harmful on prolonged exposure or in high concentration. This chemical may cause skin/eye irritation and burns (corrosive). Irritant of eyes and mucous membranes. CNS depressant. Bone marrow depressant. Knowledge about health hazard is incomplete. Repeated exposure may cause chronic eye irritation. May cause chemical eye burns. Acute eczematous dermatitis, contact type erythema, oedema, papules, vesicles, bullae, crusts, desquamation. Swallowing concentrated chemical may cause severe internal injury. Unconsciousness, death.

**ROUTE OF ENTRY**

Inhalation. Skin absorption.

**TARGET ORGANS**

Central nervous system. Eyes. Gastro-intestinal tract. Kidneys. Liver. Respiratory system, lungs. Skin. Bladder.

**MEDICAL SYMPTOMS**

Extreme irritation of eyes and mucous membranes, including burning and tearing. Dilated pupils. Rhinitis (inflammation of the nasal mucous membranes). Upper respiratory irritation. General respiratory distress, unproductive cough. May cause suffocation. Severe skin irritation. Allergic rash. Nausea, vomiting. Unconsciousness, possibly death. Central nervous system depression. Drowsiness, dizziness, disorientation, vertigo. Headache. Behavioural changes. Hypotension (low blood pressure). Dizziness.

**MEDICAL CONSIDERATIONS**

Skin disorders and allergies. Convulsive disorders, CNS problems.

### 12 ECOLOGICAL INFORMATION

**ECOTOXICITY**

Dangerous for the environment: May cause long-term adverse effects in the aquatic environment.

### 13 DISPOSAL CONSIDERATIONS

**DISPOSAL METHODS**

Incinerate in suitable combustion chamber. Absorb in vermiculite or dry sand, dispose in licensed hazardous waste. Collect on absorbent material, place in cardboard kegs and incinerate. Confirm disposal procedures with environmental engineer and local regulations.

### 14 TRANSPORT INFORMATION



UK ROAD CLASS	3	UK ROAD PACK GR.	III
PROPER SHIPPING NAME	Paint related material	ADR CLASS	Class 3: Flammable liquids.
UN NO. ROAD	1299	HAZARD NO. (ADR)	30 Flammable liquid (flash-poin between 23°C and 61°C, inclusive) or flammable liquid or solid in the molten state with a flash-point above 61°C, heated to a temperature equal to or above its flash-point, or self heating liquid.
ADR CLASS NO.	3		
ADR PACK GROUP	III		
ADR LABEL NO.	3	HAZCHEM CODE	3y
CEFIC TEC(R) NO.	21	RID CLASS NO.	3
RID PACK GROUP	III	UN NO. SEA	1299
IMDG CLASS	3	IMDG PAGE NO.	3391
IMDG PACK GR.	III	EMS	3-05
MFAG	313	MARINE POLLUTANT	



**WINSOR & NEWTON DISTILLED TURPENTINE**

UN NO. AIR 1299 AIR CLASS 3  
 AIR PACK GR. III

**15 REGULATORY INFORMATION**

LABELLING



Harmful



Dangerous for the environment

CONTAINS

TURPENTINE, OIL

RISK PHRASES

- R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
- R36/38 Irritating to eyes and skin.
- R43 May cause sensitisation by skin contact.
- R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R65 Harmful: may cause lung damage if swallowed.

SAFETY PHRASES

- S25 Avoid contact with eyes.
- S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- S36/37 Wear suitable protective clothing and gloves.
- S51 Use only in well-ventilated areas.
- S57 Use appropriate containment to avoid environmental contamination.
- S60 This material and its container must be disposed of as hazardous waste.
- S61 Avoid release to the environment. Refer to special instructions/safety data sheets.
- S62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

EU DIRECTIVES

Dangerous Substance Directive 67/548/EEC. Dangerous Preparations Directive 1999/45/EC. System of specific information relating to Dangerous Preparations. 2001/58/EC.

**16 OTHER INFORMATION**

INFORMATION SOURCES

OSHA Air Contaminants - Permissible Exposure Limits (Title 29). Hazardous Materials, Emergency Response Guidebook, DOT-P 5800.3, 1984. Threshold Limit Values and Biological Exposure Indices for 1985-86.

REVISION DATE 19/06/2003

REV. NO./REPL. SDS GENERATED 10/12/2001

SAFETY DATA SHEET STATUS

Approved.

RISK PHRASES IN FULL

- R10 Flammable.
- R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
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- R43 May cause sensitisation by skin contact.
- R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R65 Harmful: may cause lung damage if swallowed.