

REVISION DATE: 31/08/2010

**SAFTETY DATA SHEET**  
**WINSOR & NEWTON DISTILLED TURPENTINE**

**1 IDENTIFICATON OF THE SUBSTANCE/ PREPARATION AND COMPANY UNDERTAKING**

PRODUCT NAME            WINSOR & NEWTON DISTILLED TURPENTINE

APPLICATION                Thinner for Oil Painting

SUPPLIER                    ColArt America Inc.  
11 Constitution Avenue  
Piscataway  
New Jersey  
08855-1396

Emergency telephone number    1-800-628-3385  
Tel. number for information      732-562-0770

**2. COMPOSITION INFORMATION ON INGREDIENTS**

COMPOSITION COMMENTS

<b>Hazardous Components</b>	<b>CAS Number</b>	<b>OSHA PEL</b>	<b>TLV</b>
Turpentine, Oil	8006-64-2	No data	No data

**3. HAZARD IDENTIFICATION**

CLASSIFICATION

In accordance with ASTM D-4236 the hazard warning on the product is

**DANGER: FLAMMABLE., HARMFUL OR FATAL IF SWALLOWED. VAPOR HARMFUL. EYE IRRITANT. Contains: TURPENTINE.**

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

**FIRST AID TREATMENT:** If eye contact occurs rinse with tap water for 5 – 10 minutes. If irritation persists, seek medical care. If swallowed do not induce vomiting. Call a physician or poison control center immediately. If inhalation symptoms occur, move to fresh air. Get prompt medical attention.

**4. FIRST AID MEASURES**

GENERAL INFORMATION

Move exposed person to fresh air at once. Keep affected person warm and at rest. Consult a physician for specific advice.

INHALATION

Move the exposed person to fresh air at once. Keep the affected person warm and at rest. Get prompt medical attention.

## INGESTION

NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Rinse mouth thoroughly. Drink plenty of water. If any discomfort, seek medical attention.

## 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. Get medical attention if any discomfort occurs.

## 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. Get medical attention if any discomfort occurs.

## **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**

### 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
COLOR	Yellowish
ODOR	Turpentine
SOLUBILITY	Insoluble in water Soluble in Alcohol Benzene. Chloroform Acetic acid.
BOILING POINT (°C)	154 – 170
FLASH POINT (°C)	>35 °C
RELATIVE DENSITY	0.87
VAPOR DENSITY (air=1)	N/A
pH-VALUE CONC. SOL .	Not applicable

### **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)

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.

## 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. Severe skin irritation. Allergic rash. Nausea, vomiting. 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		
PROPER SHIPPING NAME:	TURPENTINE		
UN NO. ROAD:	1299	UK ROAD PACK GR:	III
ADR CLASS NO.	3	ADR CLASS:	Class 3: Flammable liquids.
ADR PACK GROUP:	III	HAZARD NO. (ADR):	30 Flammable liquid (flash-point 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 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 I	MDG PAGE NO.	3391
IMDG PACK GR.	III	EMS	3-05
MFAG	313	MARINE POLLUTANT	



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

#### 15. REGULATORY INFORMATION

##### CLASSIFICATION

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## **16. OTHER INFORMATION**

INFORMATON SOURCE

Material Safety ~Data Sheet, Misc. manufacturers.

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