

SAFETY DATA SHEET

DALER ♦ ROWNEY

PAPER VARNISH

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

Product Name PAPER VARNISH
Supplier DALER-ROWNEY LTD, PEACOCK LANE , BRACKNELL, RG12 8SS, ENGLAND.
 Emergency tel : +44 (0) 1344 461000/ fax : +44 (0) 1344 486511
 E-mail contact : tom.stagles@daler-rowney.com

Product No. 114 000 008
Application VARNISH for prints maps and paper crafts

2 . HAZARDS IDENTIFICATION

Classification (67/548). 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.

3 . COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No	Cas. No	Content	Classification (67/548)
TURPENTINE OIL	232-350-7	8006-64-2	65 - 68%	Xn;R20/21/22,R65. Xi;R36/38. N;R51/53.

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

4. FIRST-AID MEASURES

Inhalation

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

Skin contact

Wash off with soap and plenty of water. Consult a physician.

Eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Ingestion

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

5 . FIRE-FIGHTING MEASURES

Extinguishing Media

For small (incipient) fires, use media such as "alcohol" foam, dry chemical, or carbon dioxide. For large fires, apply water from as far as possible. Use very large quantities (flooding) of water applied as a mist or spray; solid streams of water may be ineffective. Cool all affected containers with flooding quantities of water

Special Fire Fighting Procedures

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No data available

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

Environmental Precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Spill Cleanup Methods

Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations

7. HANDLING AND STORAGE

Usage Precautions Usage

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.
 Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.

Storage Precautions

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components	CAS-No.	EC No	Value	Control parameters	Basis
Turpentine	8006-64-2	232-350-7	TWA (8 hours)	100 ppm 566 mg/m ³	UK. EH40 WEL - Workplace Exposure Limits
			STEL (15 min)	150 ppm 850 mg/m ³	UK. EH40 WEL - Workplace Exposure Limits

Protective Equipment**Eye / face protection**

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Complete suit protecting against chemicals, Flame retardant antistatic protective clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace

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Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical form	Liquid
Colour	Brown
Odour	Pungent
pH	No data available
Melting point	-55 °C
Boiling point	153 - 175 °C
Flash point	26 °C - closed cup
Ignition temperature	233 °C
Lower explosion limit	0.8 %(V)
Upper explosion limit	6 %(V)
Vapour pressure	5 hPa at 20 °C
Density	1.08 kg/l at 23 °C
Water solubility	Insoluble
VOC	0.685 kg/l

10. STABILITY AND REACTIVITY

Reactivity

May soften oil or acrylic coatings

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

Strong oxidizing agents

Conditions to Avoid

Heat, flames and sparks

Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Nature of decomposition products not known.

11. TOXICOLOGICAL INFORMATION

Skin corrosion/irritation

Skin - rabbit - Severe skin irritation - Draize Test

Serious eye damage/irritation

Causes serious eye irritation

Respiratory or skin sensitisation

May cause allergic skin reaction

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CMR effects

no data available

Other information

Harmful if inhaled. Causes respiratory tract irritation. Harmful if swallowed. Aspiration hazard if swallowed - can enter lungs and cause damage. Harmful if absorbed through skin. Causes skin irritation. Causes serious eye irritation.

12 . ECOLOGICAL INFORMATION**Mobility**

no data available

13. DISPOSAL CONSIDERATIONS**Disposal Methods**

Dispose of as Special Waste, via a licensed contractor ensuring that all national and local authority requirements are complied with

Disposal of Packaging

Contaminated packing should be disposed of as Special Waste, as above, according to local authority guidelines. Washed and decontaminated packing may be disposed of as Controlled Waste. Washings should be disposed of as Special Waste, as above, according to local authority guidelines.

14 . TRANSPORT INFORMATION**ADR/RID**

UN-Number: 1299 Class: 3 Packing group: III

Proper shipping name: TURPENTINE

IMDG

UN-Number: 1299 Class: 3 Packing group: III EMS-No: F-E, S-E

Proper shipping name: TURPENTINE

Marine pollutant: No

IATA

UN-Number: 1299 Class: 3 Packing group: III

Proper shipping name: TURPENTINE

15. REGULATORY INFORMATION**Labelling**

Harmful



Dangerous for the Environment

Risk Phrases

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R10	Flammable
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
R65	Harmful: may cause lung damage if swallowed
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Safety Phrases

S2	Keep out of the reach of children
S36/37	Wear suitable protective clothing and gloves
S61	Avoid release to the environment. Refer to special instructions/safety data sheet
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

Date

Risk Phrases in Full

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DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.