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REVISION DATE: 01/07/08

SAFETY DATA SHEET
WINSOR & NEWTON DAMMAR VARNISH

1 IDENTIFICATION OF THE SUBSTANCE/ PREPARATION AND COMPANY UNDERTAKING

PRODUCT NAME WINSOR & NEWTON DAMAR VARNISH

APPLICATION Varnish for art and creative use

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

Hazardous Components	CAS Number	OSHA PEL	TLV
Turpentine	8006-64-2	No data	100 ppm
Butanol	71-36-3	No data	50 ppm (skin)

3. HAZARD IDENTIFICATION

CLASSIFICATION

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

DANGER: COMBUSTIBLE. HARMFUL OR FATAL IF SWALLOWED. MAY BE HARMFUL BY BREATHING VAPORS. OVEREXPOSURE MAY RESULT IN NAUSEA, HEADACHE, CONFUSION OR INSTABILITY. CONTAINS TURPENTINE. Avoid ingestion. Avoid breathing vapors.

Do not use or store near heat or flame. Use exhaust fan to ensure adequate cross ventilation. **KEEP OUT OF REACH OF CHILDREN.** If swallowed do not induce vomiting. Call a physician or poison control center immediately. Get prompt medical attention.

4. FIRST AID MEASURES

INHALATION

Move the exposed person to fresh air at once. Keep the affected person warm and at rest. Get medical attention if any discomfort continues.

INGESTION

NEVER MAKE AN UNCONCIOUS PERSON VOMIT OR DRINK FLUIDS! Rinse mouth thoroughly. Drink plenty of water. Get medical attention if any discomfort

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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 irritation persists after washing.

EYE CONTACT

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lid. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

5. FIRE FIGHTING MEASURES**EXTINGUISHING MEDIA**

Carbon Dioxide, dry chemical, foam.

SPECIAL FIRE FIGHTING PROCEDURES

Keep run-off 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

FLAMMABLE. Vapors may ignite.

6. ACCIDENTAL RELEASE MEASURES**SPILL CLEAN UP METHODS**

Ventilate well. Stop flow of liquid if possible. Remove ignition source. Do not allow chemical to enter confined spaces such as sewers. Collect with non combustible absorbent material. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.

7. HANDLING AND STORAGE**USAGE PRECAUTIONS**

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

STORAGE PRECAUTIONS

Flammable/ combustible - keep away from oxidizers, heat and flames. Keep in original container. Store at moderate temperatures in dry, well ventilated area. Avoid extremes of temperature. Ground container and transfer equipment to eliminate static electric sparks.

STORAGE CLASS

Chemical storage.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION**ENGINEERING MEASURES**

If exposed to large quantities then use NIOSH mask. Ensure good extraction / ventilation.

HAND PROTECTION

For exposure of 4 – 8 hours use gloves made of polyvinyl alcohol or PTFE (Teflon).

EYE PROTECTION

If risk of splashing, wear safety goggles or face shield.

OTHER PROTECTION

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

HYGEINE MEASURES

Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Liquid
COLOR	Colorless to yellow
ODOR	Turpentine.
SOLUBILITY	Insoluble in water. Soluble in turpentine
BOILING POINT (°C)	>156 °C 760 mm Hg
FLASH POINT (°C)	>38 °C (Closed cup)
RELATIVE DENSITY	0.9
VAPOR DENSITY (air=1)	>1
pH-VALUE CONC. SOL .	Not applicable
AUTO INGNITION TEMP	>250 °C
VAPOUR PRESSURE	5 mmHg

10. STABILITY AND REACTIVITY**STABILITY**

Stable under normal temperature conditions. Avoid air and oxidizers.

CONDITIONS TO AVOID

Avoid heat.

HAZARDOUS DECOMPOSITION PRODUCTS

Oxides of carbon

11. TOXICOLOGICAL INFORMATION

TOXIC DOSE LD₅₀ 5760 MG/Kg (oral rat)

INHALATION

Inhalation of large quantities of vapor may cause dizziness, headaches.

INGESTION

Swallowing concentrated chemical may cause severe internal injury. CNS depressant. Bone marrow depressant.

SKIN CONTACT

Repeated exposure is known to cause irritation and burns. Acute eczematous dermatitis, contact type erythema, oedema, papules, vesicles, bullae, crusts, desquamation.

EYE CONTACT

Prolonged contact is known to cause irritation to eyes.

ROUTE OF ENTRY

Ingestion, inhalation and skin contact.

MEDICAL SYMPTOMS

Extreme irritation to eyes and mucous membranes, including burning and tearing. Dilated pupils. Rhinitis (inflammation of the nasal mucous membranes). Upper respiratory irritation. General respiratory distress, unproductive coughing. Severe skin irritation. Allergic reaction. Dizziness, headaches, sickness and redness of skin.

12. ECOLOGICAL INFORMATION

Dangerous to 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 regulators.

14. TRANSPORT INFORMATION

UK ROAD CLASS	3		
PROPER SHIPPING NAME.	Paint Related Material		
UN NO. ROAD	1263	UK ROAD PACK GP.	III
ADR CLASS	3		
ADR CLASS	Class 3: Flammable liquids		
ADR PACK GROUP	III		
HAZARD NUMBER (ADR)	30 Flammable liquid (flash point between 23°C and 61°C inclusive) or flammable liquid or solid at 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.		
RID CLASS NO.	3	RID PACK GROUP	III
UN NUMBER SEA	1263	IMDG CLASS	III
IMDG PACK GROUP	3	MARINE POLLUTANT	

15. REGULATORY INFORMATION

This product has been evaluated by a toxicologist and is labeled for acute and chronic health hazards in accordance with the Labeling of Hazardous Art Materials Act and Federal regulation 16 CFR 1500.14 of the Federal Hazardous Substances Act.

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16. OTHER INFORMATION**INFORMATION SOURCE**

Material Safety ~Data Sheet, Misc. manufacturers.

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