

REVISION DATE: 20/05/09

**SAFTETY DATA SHEET**  
**WINSOR & NEWTON GRIFFIN ALKYD COLOURS**  
**(CADMIUM COLOURS)**

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

PRODUCT NAME WINSOR & NEWTON GRIFFIN ALKYD COLOURS  
(Cadmium Lemon, Cadmium Orange, Cadmium Red Deep, Cadmium Red Medium, Cadmium Red Light, Cadmium Yellow Deep, Cadmium Yellow Light, Cadmium Yellow Medium)

APPLICATION Colors 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: Colours are made using either Cadmium Zinc Sulphide and / or Cadmium Sulphoselenide pigment.

Hazardous Components	CAS Number	OSHA PEL	TLV
Cadmium Zinc Sulphide	12442-27-2	0.2 mg/m <sup>3</sup>	0.01 as Cd mg/m <sup>3</sup>
Cadmium Sulphoselenide	12626-36-7	0.2 mg/m <sup>3</sup>	0.01 as Cd mg/m <sup>3</sup>
Low aromatic petroleum hydrocarbons	64742-47-8	No data	No data

**3. HAZARD IDENTIFICATION**

CLASSIFICATION

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

WARNING: VAPOR HARMFUL. CONTAINS PETROLEUM DISTILLATES.

PRECAUTIONS: Use only with adequate ventilation.

KEEP OUT OF REACH OF CHILDREN.

If inhalation symptoms occur, move to fresh air. If symptoms persist, see a physician.

In accordance with California Proposition 65, these colours are labeled as "WARNING. - DO NOT SPRAY APPLY. This product contains cadmium, a chemical known to the State of California to cause cancer by means of inhalation".

**4. FIRST AID MEASURES**

## INHALATION

Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

## INGESTION

NEVER MAKE AN UNCONCIOUS PERSON VOMIT OR DRINK FLUIDS! If vomiting occurs, keep head low, so that stomach content does not get in to the lungs. Get medical attention immediately! Drink plenty of water. Provide rest, warmth and fresh air.

## SKIN CONTACT

Remove affected person from source of contamination. Promptly wash contaminated skin with soap or mild detergent and water. 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

Avoid breathing fire vapors. Cool containers exposed to flames with water until well after the fire is out. Keep run-off water out of sewers and water courses. Dike for water control.

## **6. ACCIDENTAL RELEASE MEASURES**

### SPILL CLEAN UP METHODS

Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place in to containers. Do not contaminate water courses or sewer. Inform authorities if large amounts are spilled.

## **7. HANDLING AND STORAGE**

### USAGE PRECAUTIONS

Avoid spilling, skin and eye contact. Wear full protective clothing for prolonged exposure and / or high concentrations.

### STORAGE PRECAUTIONS

Keep in original container. Store at moderate temperatures in dry, well ventilated area. Avoid extremes of temperature.

## **8. EXPOSURE CONTROLS/ PERSONAL PROTECTION**

### ENGINEERING MEASURES

Provide adequate general and local exhaust ventilation.

## HAND PROTECTION

Use suitable protective gloves if risk of skin contact. Use protective gloves made of rubber or plastic.

## EYE PROTECTION

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

## OTHER PROTECTION

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	Paste
COLOR	Miscellaneous colours
ODOR	Low hydrocarbon odor.
SOLUBILITY	Insoluble in water
FLASH POINT (°C)	70 (closed cup)
RELATIVE DENSITY	1.4
VOLATILE BY VOL	20%
BOILING POINT (°C)	150 – 200 760 mm Hg
AUTO IGNITION	>250 °C

## **10. STABILITY AND REACTIVITY**

### STABILITY

Stable under normal temperature conditions.

### CONDITIONS TO AVOID

None.

### HAZARDOUS DECOMPOSITION PRODUCTS

Fire creates fumes of carbon monoxide and carbon dioxide.

## **11. TOXICOLOGICAL INFORMATION**

## GENERAL INFORMATION

The soluble cadmium content in the pigment is less than 5 ppm. Only large volumes may have adverse impact on human health.

### INHALATION

Inhalation of large quantities of vapor may damage respiratory system.

### INGESTION

Liquid irritates mucous membranes and may cause abdominal pain if swallowed.

### SKIN CONTACT

May cause sensitization by skin contact.

### EYE CONTACT

Prolonged contact may cause irritation to eyes.

### ROUTE OF ENTRY

Ingestion, inhalation and skin contact.

## **12. ECOLOGICAL INFORMATION**

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

## **13. DISPOSAL CONSIDERATIONS**

### DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements. Absorb in vermiculite or dry sand. Dispose of as licensed hazardous waste.

## **14. TRANSPORT INFORMATION**

Not classified.

## **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.

This product conforms to ASTM D 4236 Standard Practice for Labeling Art Materials for Chronic Adverse Health Hazards. The hazard warning for this product is;

**WARNING: VAPOR HARMFUL. CONTAINS PETROLEUM DISTILLATES.**

**PRECAUTIONS:** Use only with adequate ventilation.

**KEEP OUT OF REACH OF CHILDREN.**

If inhalation symptoms occur, move to fresh air. If symptoms persist, see a physician.

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## **16. OTHER INFORMATION**

INFORMATON SOURCE

Material Safety ~Data Sheet, Misc. manufacturers.

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