

Material Safety Data Sheet for R&F Encaustics

OSHA Hazard Communication Standard (29 CFR 1910.1200)

Similar to OSHA Forms 20 and 174 US Department of Labor

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CC97-231DNNEW97 FCLINE COL

Manufacturer's Name and Location

R&F Handmade Paints, Inc.

506 Broadway

Kingston, NY 12401

Contact - Richard Frumess, President

For Information - 1.800.206.8088

Emergency Telephone # - 1.800.206.8088 or phone your local Poison Control Center

Preparation Date - 1/14/98 Rev. #00

CONFIRM ALL INFORMATION PRIOR TO USE

Label Statements for R&F Encaustics

Acute Toxicity - no label required

Chronic Toxicity - no label required

California Prop 65 Warning Statement

Warning! This product contains an ingredient known to the state of California to cause cancer

Certification Assurance

Conforms to ASTM D-4236

Children's Hazard Warning

Keep Out of Reach of Children

Abbreviations:

Not Applicable: n/a

Not Flammable: n/f

Not Known: n/k

Repirable Fraction: r

Permissible Exposure Limit: pel

Ceiling Value: c

Not Determined: n/d

Not Listed: n/l

ACGIH Threshold Limit Value: tlv

The data shown is taken from sources judged to be reliable. The user should judge both the accuracy and the suitability of this information for any intention or purpose. No other warranty is given.

TLV Reg. TM, ACGIH

Data for Cobalt Colors:

Hazardous Ingredients/Identity/Standards/Content Information

Ingredient Listing - wax/oil base medium
CAS No. - mixture
OSHA PEL - n/l
ACGIH TLV - n/l
STEL - n/l
% COMP - <95.00

Ingredient Listing - cobalt pigment
CAS No. - mixture
OSHA PEL - 0.1 mg/m3
ACGIH TLV - .02 mg/m3
STEL - n/l
% COMP - <50.00

The other ingredients in the wax base medium are judged to be non-hazardous, in this form, and are regarded as trade secrets

Physical/Chemical Characteristics

Boiling Point - >260 degrees C.
Melting Point - <110 degrees F.
Vapor Pressure - n/a
Evaporation Rate - n/a
Odor - odor of wax
Specific Gravity - 0.927 - 0.970
Vapor Density - n/a
Water Solubility - insoluble
Appearance - colored wax

Fire and Explosion Hazard Data

Flash Point - >240 degrees C.
Flash Point Method - open cup
Lower Flammability Limit - n/l
Upper Flammability Limit - n/l
Extinguishing Medium - foam, dry chemical and CO2
Specialized Fire/Fighting Procedure - n/k
Unusual Fire and Explosion Hazard - n/k

Reactivity Data

Stable - yes
Incompatibility - n/k
Conditions to Avoid - n/k
Hazardous Decomposition - yes
Hazardous Polym. - no

Health Hazard Data:

Contains cobalt compound which may cause cancer if eaten (risk of cancer depends on duration and level of exposure) . **DO NOT EAT.** Wash hands and face after use and before eating or smoking. Fumes from molten wax may cause mild upper respiratory irritation and cause burns when in contact with skin. Wax will release toxic fumes when heated above its decomposition temperature. Addition of solvents to this product will release fumes which may be harmful when heated above 200 degrees F. (93 degrees C.). Not intended for use by children. Keep out of reach of children.

Routes of Entry

Inhalation - yes
Skin - no
Ingestion - yes

Carcinogen

NTP - n/l
IARC - n/l
OSHA - n/l

Signs/Symptoms of Exposure - none

Medical Conditions to Avoid - none

First Aid: If eaten seek medical attention immediately. If skin is irritated wash with soap & water. If irritation persists see a physician.

Precautions for Safe Handling and Use:

Spill -if heated, allow to cool
Waste Disposal - dispose in an appropriate manner which complies with local regulations
Precautions - do not store near heat, keep cool
Other Precautions - none

Control Measures

Respiratory Protection - normally not needed
Local Exhaust - use local exhaust if pigment sticks are heated
Specific Local Exhaust - normally not needed
Mechanical Exhaust - provide more ventilation if necessary
Other Mechanical Exhaust - normally not needed
Protective Gloves - wear gloves or barrier cream to protect against contact
Eye Protection - normally not needed
Protective Clothing - normally not needed, suggest freshly laundered artist's smock
Work Practices - wash hands and face after use

Data For Cadmium Colors:

Hazardous Ingredients/Identity/Standards/Content Information

Ingredient Listing - wax/oil base medium
CAS No. - mixture
OSHA PEL - n/a
ACGIH TLV - n/a
STEL - n/a
% COMP - <95

Ingredient Listing - cadmium pigments
CAS No. - mixture
OSHA PEL - .005 mg/m³
ACGIH TLV - .002 mg/m³
STEL - n/a
% COMP - <50

The other ingredients in the wax base medium are judged to be non-hazardous, in this form, and are regarded as trade secrets

Physical/Chemical Characteristics

Boiling Point - >260 degrees C.
Melting Point - <110 degrees F.
Vapor Pressure - n/a
Evaporation Rate - n/a
Odor - odor of wax
Specific Gravity - 0.927-0.970
Vapor Density - n/a
Water Solubility - insoluble
Appearance - colored wax

Fire and Explosion Hazard Data

Flash Point - >240 degrees C.
Flash Point Method - open cup
Lower Flammability Limit - n/l
Upper Flammability Limit - n/l
Extinguishing Medium - foam, dry chemical and CO₂
Specialized Fire/Fighting Procedure - none
Unusual Fire and Explosion Hazard - none

Reactivity Data

Stable - yes
Incompatibility - none
Conditions to Avoid - none
Hazardous Polym. - no
Hazardous Decomposition - yes

Health Hazard Data

Contains cadmium compounds which may cause cancer if eaten (risk of cancer depends on duration and level of exposure). Effects of ingestion are cumulative due to slow elimination of absorbed cadmium. May cause harm to kidneys, testes and developing fetus. Prolonged or repeated skin contact may cause irritation and dermatitis. **DO NOT EAT.** Wash hands and face after use and before eating or smoking. Not intended for use by children. Keep out of reach of children.

Routes of Entry

Inhalation - yes
Skin - no
Ingestion - yes

Carcinogen

NTP - listed
IARC - listed
OSHA - listed

Signs/Symptoms of Exposure - not listed

Medical Conditions to Avoid - none

First Aid: If eaten seek medical attention immediately. If skin is irritated wash with soap & water. If irritation persists see a physician.

Precautions for Safe Handling and Use:

Spill -if heated, allow to cool
Waste Disposal - dispose in an appropriate manner which complies with local regulations
Precautions - do not store near heat, keep cool
Other Precautions - none

Control Measures

Respiratory Protection - normally not needed
Local Exhaust - use local exhaust if pigment sticks are heated
Specific Local Exhaust - normally not needed
Mechanical Exhaust - provide more ventilation if necessary
Other Mechanical Exhaust - normally not needed
Protective Gloves - wear gloves or barrier cream to protect against contact
Eye Protection - normally not needed
Protective Clothing - normally not needed, suggest freshly laundered artist's smock
Work Practices - wash hands and face after use

Data For All Colors Except Cadmium & Cobalt:

Hazardous Ingredients/Identity/Standards/Content Information

Ingredient Listing - wax/oil base medium
CAS No. - mixture
OSHA PEL - n/a
ACGIH TLV - n/a
STEL - n/a
% COMP - <95

Ingredient Listing - pigments/colorants
CAS No. - mixture
OSHA PEL - n/a
ACGIH TLV - n/a
STEL - n/a
% COMP - <50

The ingredients in the wax base medium are judged to be non-hazardous, in this form, and are regarded as trade secrets

Physical/Chemical Characteristics

Boiling Point - >260 degrees C.
Melting Point - <110 degrees F.
Vapor Pressure - n/a
Evaporation Rate - n/a
Odor - odor of wax
Specific Gravity - 0.927-0.970
Vapor Density - n/a
Water Solubility - insoluble
Appearance - colored wax

Fire and Explosion Hazard Data

Flash Point - >240 degrees F.
Flash Point Method - open cup
Lower Flammability Limit - n/l
Upper Flammability Limit - n/l
Extinguishing Medium - foam, dry chemical and CO2
Specialized Fire/Fighting Procedure - none
Unusual Fire and Explosion Hazard - none

Reactivity Data

Stable - yes
Incompatibility - none
Conditions to Avoid - none
Hazardous Polym. - no
Hazardous Decomposition - yes

Health Hazard Data

Not intended for use by children. Keep out of reach of children.

Routes of Entry

Inhalation - yes
Skin - no
Ingestion - n/k

Carcinogen

NTP - n/l
IARC - n/l
OSHA - n/l

Signs/Symptoms of Exposure - n/l

Medical Conditions to Avoid - none

First Aid - normally not needed

Precautions for Safe Handling and Use:

Spill -if heated, allow to cool

Waste Disposal - dispose in an appropriate manner which complies with local regulations

Precautions - do not store near heat, keep cool

Other Precautions - none

Control Measures

Respiratory Protection - normally not needed

Local Exhaust - use local exhaust if pigment sticks are heated

Specific Local Exhaust - normally not needed

Mechanical Exhaust - provide more ventilation if necessary

Other Mechanical Exhaust - normally not needed

Protective Gloves - wear gloves or barrier cream to protect against contact

Eye Protection - normally not needed

Protective Clothing - normally not needed, suggest freshly laundered artist's smock

Work Practices - wash hands and face after use