

(7827-00)

00416-1009

* Rev'd 03-26-01
Material Safety Data Sheet
May be used to comply with
OSHA's Hazard Communication Standard,
29 CFR 1910.1200. Standard must be
consulted for specific requirements.

U.S. Department of Labor
Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved (Basic Set)
OMB No. 1218-0072



IDENTITY (As Used on Label and List)
Shiva Signature Oil Colors

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

Section I

Manufacturer's Name Jack Richeson & Co.	Emergency Telephone Number (800) 233-2404
Address (Number, Street, City, State, and ZIP Code) P.O. Box 160 Kimberly, WI 54136-0160	Telephone Number for Information (800) 233-2404
	Date Prepared February 13, 2001
	Signature of Preparer (optional) Kelly M. Richeson

Section II — Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
This product line carries the AP (approved product) seal of the Art & Craft Materials Institute. All formulas have been reviewed by a toxicologist and are considered non-toxic.				

Section III — Physical/Chemical Characteristics

Boiling Point	177° F	Specific Gravity (H ₂ O = 1)	1.07-2.43
Vapor Pressure (mm Hg.)	N/A	Melting Point	N/A
Vapor Density (AIR = 1)	Heavier than air	Evaporation Rate (Butyl Acetate = 1)	Slower than butyl acetate
Solubility in Water	Insoluble		
Appearance and Odor	Heavy, viscous liquid with characteristic oil paint odor.		

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used) 211° F Seta-Closed cup	Flammable Limits N/A	LEL N/A	UEL N/A
Extinguishing Media CO ₂ , Dry chemical, Foam	Special Fire Fighting Procedures Water may be ineffective and may casue fire to spread. Use NIOSH/MSHA approved gas mask for fire fighting personnel.		
Unusual Fire and Explosion Hazards Keep containers tightly closed. Vapors may migrate to ignition source.	Isolate from heat. Flame sparks and other ignition sources.		

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Section V — Reactivity Data

Stability	Unstable		Conditions to Avoid
	Stable	X	

Incompatibility (Materials to Avoid)
Strong oxidizing agents

Hazardous Decomposition or Byproducts
CO₂ & CO

Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	

Section VI — Health Hazard Data

Route(s) of Entry: Inhalation? **Yes** Skin? **No** Ingestion? **No**

Health Hazards (Acute and Chronic)
This paint does not pose a health hazard.

Carcinogenicity: NTP? **Not listed** IARC Monographs? **None** OSHA Regulated? **NO**

Signs and Symptoms of Exposure
Possible dizziness if inhaled in an enclosed area.

Medical Conditions
 Generally Aggravated by Exposure **None Known**

Emergency and First Aid Procedures
Remove to fresh air, wash the skin, and irrigate the eyes. Call a doctor if ingested.

Section VII — Precautions for Safe Handling and Use

Steps to Be Taken in Case Material Is Released or Spilled
Dike the spill; then soak it up with inert absorbent. Keep contaminated materials and rags in approved containers rated for fire containment.

Waste Disposal Method
Dispose in accordance with local, state, and federal laws where permitted.

Precautions to Be Taken in Handling and Storing
Store away from heat in a cool, dry area and use with adequate ventilation.

Other Precautions
Rags and paper products soiled with oils can spontaneously combust. Dispose of properly in safety fire cans. Do not spray, apply or inhale vapors or dust of cadmium colors.

Section VIII — Control Measures

Respiratory Protection (Specify Type)
Dust mask or NIOSH approve respirator for higher concentrations

Ventilation	Local Exhaust	Yes	Special	No
	Mechanical (General)	No	Other	No

Protective Gloves **Yes** Eye Protection **No**

Other Protective Clothing or Equipment
None

Work/Hygienic Practices
Handle with care - use good hygenic practices.

Rev'd 03-26-01 (7900-01)
Material Safety Data Sheet
U.S. Department of Labor

00416-4073

Occupational Safety and Health Administration
 (Non-Mandatory Form)

IDENTITY (As Used on Label and List): Signature Oil Cad Yellow Light, 00416-4073

Section I

Manufacturer's Name Jack Richeson & Co.	Telephone Number for Information/Emergency (800) 233-2404
Address (Number, Street, City, State, and ZIP Code) P.O. Box 160 Kimberly, WI 54136	Date Prepared 03-21-01

Section II - Hazard Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV (TWA/STEL)	Other Limits Recommended
Cyclohexane *	300 ppm	300 ppm/No info	No info
Octadecanoic Acid, Aluminum Salt	No Info	10 mg/m3/No info	No info
Alkaline Earth Sulfate	15 mg/m3	10 mg/m3/No info	No info
Pigment Yellow	No Info	No info	No info
Safflower Oil USP 100%	No Info	No info	No info
Refined Linseed Oil	No Info	No info	No info
CI Pigment Yellow Cad Lithopone *	No Info	No info	No info

* This product contains one or more materials subject to the reporting requirements of Section 313 of the Emergency Planning and the Community Right-To-Know Acts of 1986 and of 40 CFR 372.

Section III - Physical/Chemical Characteristics

Boiling Point: 177° F	Specific Gravity (H₂O = 1): No info
Vapor Pressure (mm Hg.): No info	Melting Point: No info
Vapor Density (AIR = 1): Unknown	Evaporation Rate (Butyl Acetate = 1): Slower than butyl acetate
Solubility in Water: Negligible	Appearance and Odor: Yellow liquid; typical odor

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Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used): 211° F (Setaflash Closed Cup)	Flammable Limits: LEL, UEL: No info
Extinguishing Media: Carbon dioxide, dry chemical, foam, water fog	
Special Fire Fighting Procedures: Use NIOSH/MSHA approved gas mask for fire fighting personnel. Water may be ineffective and may spread fire. Water may be used to cool containers. If water is used, fog nozzles are preferred.	
Unusual Fire and Explosion Hazards: Keep containers tightly closed. Vapors may migrate to ignition source and cause flash fire. Isolate from heat, sparks, electrical equipment, appliances, pilot lights, flames, and other sources of ignition.	

Section V - Reactivity Data

Stability: Stable	Conditions to Avoid: This product is stable under normal conditions.
Incompatibility (Materials to Avoid): Strong oxidizing agents.	
Hazardous Decomposition or Byproducts: Thermal decomposition may yield carbon dioxide and/or carbon monoxide.	
Hazardous Polymerization: Will not occur	Conditions to Avoid: Excessive heat, sparks, or open flame.

Section VI - Health Hazard Data

Route(s) of Entry: Inhalation, Skin, Ingestion			
Health Hazards (<i>Acute and Chronic</i>): Reports have associated repeated overexposure to solvents with permanent brain and nervous system damage (referred to as solvent or painters' syndrome). See warning below for chronic health hazard.			
Carcinogenicity: WARNING: DO NOT SPRAY APPLY – This product contains cadmium, a chemical known to the State of California to cause cancer by means of inhalation.	NTP? No info	IARC Monographs? No info	OSHA Regulated? No info
Signs and Symptoms of Exposure: Breathing of high vapor concentrations may produce narcosis. Liquid may cause minor skin irritation and definite eye irritation. This product is a "mixture", for which no health hazard data exist. The HCS requires that such mixtures assume to present the same health hazard as do components that constitute at least 1% of mixture. Except that chemicals identified as carcinogens shall be listed if the concentrations are 0.1% or greater.			
Medical Conditions Generally Aggravated by Exposure: Pre-existing sensitivity to solvents can cause a heightened reaction to exposure to this product.			
Emergency and First Aid Procedures: Inhalation: Remove to fresh air, restore breathing, consult a physician. Skin contact: Flush with water. Eye contact: Flush immediately with large amounts of water. Consult a physician.			

Section VII - Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled: Remove sources of ignition and provide ventilation. Large spills may be scooped up with non-sparking tools, small quantities with absorbent material.
Waste Disposal Method: Place in closed containers. Dispose of product in accordance with local, county, state, and federal regulations.
Precautions to be Taken in Handling and Storing: Store away from heat, sparks and open flame. Avoid prolonged skin contact. Do not breathe spray mist. Store in a cool dry area with ventilation suitable for storing materials shown in Section II. We recommend that containers be either professionally reconditioned for reuse by certified firms or properly disposed of by certified firms to help reduce the possibility of an accident. "Empty" drums should not be given to individuals.
Other Precautions: Ground containers while pouring. Avoid spontaneous combustion of contaminated rags or other organic materials. Empty containers may retain hazardous properties and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose containers to heat, flame or other sources of ignition. WARNING: Hot organic chemical vapors or mists are susceptible to sudden spontaneous combustion when mixed with air. Ignition may occur at temperatures below those published on the MSDS. Ignition temperatures decrease with increasing vapor volume and vapor/air contact time, and are influenced by pressure changes. Ignition may occur at typical elevated temperature process conditions. Any proposed use of this product in elevated-temperature processes should be thoroughly evaluated to assure that safe operating conditions are established and maintained.

Section VIII - Control Measures

Respiratory Protection (<i>Specify Type</i>): NIOSH/OSHA approved respirator types suitable for materials in section II recommended. Approved chemical/mechanical filters recommended when ventilation is restricted. Approved airline-type respirators or hoods recommended in confined areas.	
Ventilation: Sufficient ventilation, in volume and pattern, should be provided to keep air contamination below current applicable OSHA PEL or ACGIH's TLV limit.	
Protective Gloves: Recommended for prolonged or repeated contact. Chemical resistant plastic or rubber.	Eye Protection: Chemical goggles with side shields or face shield recommended.
Other Protective Clothing or Equipment: As required to avoid wetting clothing. Protective creams where skin contact is likely. Remove and wash contaminated clothing before reuse. Eye bath and safety shower.	
Work/Hygienic Practices: Wash hands before eating or smoking. Smoke in designated areas only. All equipment should comply with sections 1910.132 - .135 OSHA standards.	

(7900-10)

00416-3563

Rwd 03-26-01

Material Safety Data Sheet
U.S. Department of Labor

 Occupational Safety and Health Administration
 (Non-Mandatory Form)

IDENTITY (As Used on Label and List): Signature Oil Cad Red Scarlet, 00416-3563

Section I

Manufacturer's Name Jack Richeson & Co.	Telephone Number for Information/Emergency (800) 233-2404
Address (Number, Street, City, State, and ZIP Code) P.O. Box 160 Kimberly, WI 54136	Date Prepared 03-21-01

Section II - Hazard Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV (TWASTEL)	Other Limits Recommended
Octadecanoic Acid, Aluminum Salt	No info	10 mg/m3/No info	No info
Barium Sulfate Pigment *	5 mg/m3	10 mg/m3/No info	No info
Titanium Dioxide	15 mg/m3	10 mg/m3 / 10 mg/m3	No info
Safflower Oil USP 100%	No info	No info	No info
Refined Linseed Oil	No info	No info	No info
C.I. Pigment 11740 Yellow 65	No info	No info	No info
M-Nitro-P-Toluidine C.I. 12120 Pigment Red 3	No info	No info	No info
Cadmium Sulfoselenide Red Lithopone *	No info	No info	No info

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Section III - Physical/Chemical Characteristics

Boiling Point: 900 - 0° F	Specific Gravity (H₂O = 1): No info
Vapor Pressure (mm Hg.): No info	Melting Point: No info
Vapor Density (AIR = 1): Unknown	Evaporation Rate (Butyl Acetate = 1): Is slower than butyl acetate
Solubility in Water: Negligible	Appearance and Odor: Red liquid with typical odor

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used): 211° F (Setflash Closed Cup)	Flammable Limits: LEL, UEL: No info
Extinguishing Media: Carbon dioxide, dry chemical, foam, water fog	
Special Fire Fighting Procedures: Use NIOSH/MSHA approved gas mask for fire fighting personnel. Water may be ineffective and may spread fire. Water may be used to cool containers. If water is used, fog nozzles are preferred.	
Unusual Fire and Explosion Hazards: Keep containers tightly closed. Vapors may migrate to ignition source and cause flash fire. Isolate from heat, sparks, electrical equipment, appliances, pilot lights, flames, and other sources of ignition.	

Section V - Reactivity Data

Stability: Stable	Conditions to Avoid: This product is stable under normal conditions.
Incompatibility (Materials to Avoid): Strong oxidizing agents.	
Hazardous Decomposition or Byproducts: Thermal decomposition may yield carbon dioxide and/or carbon monoxide.	
Hazardous Polymerization: Will not occur	Conditions to Avoid: Excessive heat, sparks, or open flame.

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Route(s) of Entry: Inhalation, Skin, Ingestion			
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