

(7900-11)

00416-3203

* Rec'd 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 Deep, 00416-3203

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
Cyclohexane *	300 ppm	300 ppm/No info	No info
Octadecanoic Acid, Aluminum Salt	10 mg/m3	10 mg/m3/No info	No info
Barium Sulfate pigment *	10 mg/m3	10 mg/m3/No info	No info
Alkaline Earth Sulfate	10 mg/m3	10 mg/m3/No info	No info
Safflower Oil USP 100%	No info	No info	No info
Refined Linseed Oil	No info	No info	No info
Cadmium Sulf. Red Lithopone CI 108.1 *	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): Heavier than air	Evaporation Rate (Butyl Acetate = 1): 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 (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.

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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.	