



MATERIAL SAFETY DATA

1. PRODUCT INFORMATION			
Date:	May 26, 2004	24 HOUR EMERGENCY ASSISTANCE Neville Chemical Company 412-331-4200 CHEMTREC 800-424-9300	
Tradename:	CUMAR® R-29,25° and CUMAR® R-29,10° Resins		
D.O.T. Shipping Name:	Elevated Temperature Liquid N.O.S. 9, UN3257, PGIII, Placarded Hot/3257 (Bulk Shipments Only) Not Regulated in Non-Bulk Packaging	HMIS Hazard Rating	
Chemical Name and Synonyms:	Hydrocarbon Resin	Least	0 Health 1
Chemical Family:	Petroleum Hydrocarbon Resin	Slight	1 Flammable 1
CAS No:	Proprietary Mixture	Moderate	2 Reactivity 0
		High	3
		Extreme	4 Personal Protection X
		Neville Recommends B Minimum	

2. HAZARDOUS INGREDIENTS			
Principal Hazardous Components (Chemical and Common Names)			
Naphthalene	CAS 91-20-3	<0.05 wt%	OSHA PEL 10 ppm Cercla RQ 100 Pounds

3. PHYSICAL DATA			
Softening Point, R&B °C	10 – 25	Percent Volatiles (by Weight)	Negligible
Specific Gravity	1.0 – 1.1 @ 25°C	Evaporation Rate (Water = 1)	<1
Boiling Point (°F) Initial	NDA		
Solubility in Water	Negligible	Vapor Pressure (mm Hg.)	NDA
Appearance and Odor	Amber Semi-Solid, Petrochemical Odor	Vapor Density (Air = 1)	NDA

4. FIRE AND EXPLOSION HAZARD DATA						
Flash Point:	Approx. 400°F (COC)	Flammable Limits	LEL	NDA	UEL	NDA
Extinguishing Media:	Water Spray, Dry Chemical, CO ₂ , Foam	Autoignition Temperature	NDA			
Special Fire Fighting Procedures:	Do not enter confined fire space without proper protective equipment, including a NIOSH approved SCBA. Use water spray to cool fire-exposed surfaces and to protect personnel.					
Unusual Fire and Explosion Hazards:	Frothing may occur if water is sprayed into container of burning liquid. Vapors are heavier than air and may travel along the ground to an ignition source distant from the material handling point.					

5. HEALTH HAZARD DATA	
Threshold Limit Value:	NE, Recommend 5 mg/m ³ for mineral oil mist (if used under misting conditions)
Signs and Symptoms of Exposure	
Acute Overexposure:	Not likely to cause any significant acute toxicological effects.
Chronic Overexposure:	No chronic effects known.
Medical Conditions Generally Aggravated by Exposure:	May cause skin, eye and mucous membrane irritation.
Primary Routes of Entry:	Skin, eyes; inhalation of oil mist if the product is aerosoled.
Eye Irritation:	May cause irritation.
Skin Irritation:	May cause skin irritation.

(Continued on Reverse Side)

NA = Not Applicable
NE = None Established
NDA = No Data Available

5. HEALTH HAZARD DATA (Continued)

This mixture is not listed as a carcinogen or potential carcinogen by NTP, IARC or OSHA. It may contain a small amount of naphthalene which is listed in Group 2B by IARC	
OSHA Permissible Exposure Limit:	NE, Recommend 5 ppm for mineral oil mist.
ACGIH Threshold Limit Value:	NE, Recommend 5 ppm for mineral oil mist, ceiling 10 mg/m ³
Emergency and First Aid Procedures	
Inhalation:	Remove victim to fresh air and provide oxygen if breathing is difficult.
Eyes:	Flush eyes with copious quantities of water while holding eyelids open. If irritation persists, consult physician.
Skin:	Wash skin with soapy water. Use emollient skin creams. If irritation persists call a physician.
Ingestion:	Do not induce vomiting. Get medical attention.

6. REACTIVITY DATA

Stability:	Unstable: --	Stable: X
Hazardous Polymerization:	May Occur: --	Will Not Occur: X
Conditions to Avoid:	Open flames, high temperatures, electric arc.	
Incompatibility (Materials to Avoid):	Oxidizers	Hazardous Decomposition Products CO CO ₂

7. SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled:	At elevated temperatures, vapors can spread and result in flash fire. Eliminate sources of ignition. Recover and reclaim large quantities. Collect small amounts with suitable absorbent and place in sealable containers. Keep out of sewers and other public water systems.
Waste Disposal:	Reclaim or dispose of in accordance with local, state and federal regulations.

8. SPECIAL PROTECTION INFORMATION

Respiratory Protection:	NIOSH approved organic vapor respirator in accordance with 29 CFR 1910.134 if recommended PEL is exceeded.
Ventilation:	Provide explosion proof ventilation as required to control vapor levels.
Protective Gloves:	Rubber, neoprene if splashing is a problem.
Eye Protection:	Safety glasses and a face shield if splashing is a problem.
Other Equipment:	Wear other protective equipment as required to minimize skin contact.

9. SPECIAL PRECAUTIONS

Precautions to be taken in handling:	Eliminate ignition sources, use explosion proof equipment. Conveying and processing equipment should be spark-proof, electrically bonded and grounded.
Other Precautions:	Wash with soap and water before eating, drinking, smoking or using toilet facilities. Launder contaminated clothing before reuse.

10. OTHER REGULATORY INFORMATION

All components of this mixture are on the TSCA Inventory.
All components of this mixture are on the Canadian DSL.
This material is not regulated under SARA Title III, Section 302 and does not contain any substance above the de minimus level for Section 313.
This product is not hazardous as defined in CFR 1910.1200 and under the provisions of Title III, Section 313/312 of the Superfund Amendments and Reauthorization Act.
Naphthalene is known to the State of California to cause cancer. Naphthalene is on the following state Right to Know lists: Massachusetts, New Jersey and Pennsylvania.