



MATERIAL SAFETY DATA

1. PRODUCT INFORMATION					
Date:	May 24, 2004	24 HOUR EMERGENCY ASSISTANCE Neville Chemical Company 412-331-4200 CHEMTREC 800-424-9300			
Tradename:	CUMAR® R-13A Resin				
D.O.T. Shipping Name:	Resin, Coal Tar or Petroleum	HMIS Hazard Rating			
Chemical Name and Synonyms:	Coumarone Indene Resin	Least	0	Health	0
		Slight	1	Flammable	1
Chemical Family:	Coumarone Indene	Moderate	2	Reactivity	0
		High	3		
CAS No:	Proprietary Mixture	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	105 ± 5	Percent Volatiles (by Weight)	0
Specific Gravity	Approx. 1.10 @ 25°C	Evaporation Rate (Water =1)	<1
Boiling Point (°F) Initial	NA		
Solubility in Water	Negligible	Vapor Pressure (mm Hg.)	NDA
Appearance and Odor	Amber Pastilles, Petrochemical Odor	Vapor Density (Air = 1)	NDA

4. FIRE AND EXPLOSION HAZARD DATA						
Flash Point:	>510°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:	None					

5. HEALTH HAZARD DATA	
Threshold Limit Value:	NE, Recommend "particles not otherwise classified:" 3 mg/m ³ for respirable particulates and 10 mg/m ³ inhalable particulate.
Signs and Symptoms of Exposure	
Acute Overexposure:	Not likely to cause any significant acute toxicological effects.
Chronic Overexposure:	No chronic affects known.
Medical Conditions Generally Aggravated by Exposure:	May cause skin, eye and mucous membrane irritation.
Primary Routes of Entry:	Dust inhalation
Eye Irritation:	May cause mechanical 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 "particles not otherwise classified:" 5 mg/m ³ for respirable dust and 10 mg/m ³ total dust.
ACGIH Threshold Limit Value:	NE, Recommend "particles not otherwise classified:" 3 mg/m ³ for respirable particulates and 10 mg/m ³ inhalable particulate.
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 soap and water. Use emollient skin creams. If irritation persists, consult 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:	Sweep up or pick up with properly rated industrial vacuum. Place sweepings in tight container.
Waste Disposal:	Reclaim or dispose of in accordance with local, state and federal regulations.

8. SPECIAL PROTECTION INFORMATION

Respiratory Protection:	NIOSH approved dust respirator if recommended PEL is exceeded.
Ventilation:	Provide explosion proof ventilation as required to control dust levels.
Protective Gloves:	Cotton, Leather, Rubber, Neoprene
Eye Protection:	Wear Safety glasses or chemical goggles to prevent eye contact as necessary.
Other Equipment:	Wear other protective equipment as required to minimize skin contact.

9. SPECIAL PRECAUTIONS

Precautions to be taken in handling:	Handling can create combustible dust clouds. Eliminate ignition source, use explosion proof equipment. Conveying and processing equipment should be spark proof, electrically bonded and grounded. Avoid dust accumulations.
HARRPA Statement:	For additional information on static control see the Hydrocarbon and Rosin Resins Producers Association (HARRPA) Bulletin "Safety Measures for Prevention of Electrostatic Charge Buildup When Handling Resins" dated March 3, 1999.
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 material are on the TSCA Inventory.
All components of this material 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.