

# MATERIAL SAFETY DATA SHEET

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.						
IDENTITY (As shown on label or package) <b>Camel Cam-Cure Flammable Black-Brush-Type Vulcanizing Cement</b>		PART NO. <b>12-290,291,292</b>		IF APPLICABLE		
<b>SECTION I</b>						
Manufacturer's Name <b>Camel Tire Care Products</b>		Emergency Phone No. <b>(918) 687-5427</b>		Signature of Preparer: (Optional)		
Address (Number, Street, City, State, and Zip Code) <b>P. O. Box 769</b>		Manufacturer's Phone No. for information <b>(918) 687-5427</b>		Date MSDS was prepared <b>1/22/89</b>		
<b>500 S. E. 48th St.</b>		<b>Muskogee, Oklahoma 74402-0769</b>				
<b>SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION. All Health Hazards which comprise 1% or greater of the composition and all carcinogens if 0.1% of the composition or greater</b>						
Hazardous Components (Specific Chemical Identity and Common Name(s), if any.)		CAS NO.	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED	% (OPTIONAL)
<b>Rubber Solvent</b>		<b>NE</b>	<b>500 ppm</b>	<b>400 ppm</b>	<b>N/A</b>	<b>85%</b>
<b>Phenolic Resin, Irritant (2 PPM Phenol)</b>						<b>2%</b>
<b>Non-hazardous ingredients*</b>						<b>13%</b>
*Unidentified ingredients are not considered hazardous under the Federal Hazard Communication Standard (29 CFR 1910.1200).						
<b>SECTION III - PHYSICAL / CHEMICAL CHARACTERISTICS</b>						
Boiling Point <b>130-270 °F</b>	Specific Gravity (H <sub>2</sub> O=1) <b>.720</b>		Melting Point <b>N/A</b>			
Vapor Pressure (mm Hg) <b>N/E</b>	Vapor Density (AIR=1) <b>&gt;3</b>		Evaporation Rate (Butyl Acetate=1) <b>N/A</b>			
Solubility in Water <b>Negligible</b>	% Volatile by Volume <b>90</b>		Other (if any) <b>N/A</b>			
Appearance and Odor	<b>Black, creme viscosity; odor of rubber solvent.</b>					
<b>SECTION IV - FIRE AND EXPLOSION HAZARD DATA</b>						
Flash Point (Method Used) <b>50 °F (COC)</b>	Flammable Limits	LEL <b>~ 1</b>	UEL <b>~ 7</b>			
Extinguishing Media	<b>Water spray, dry chemical, carbon dioxide, alcohol foam.</b>					
Special Fire Fighting Procedures	<b>Wear NIOSH-approved self-contained breathing apparatus. Avoid water accumulation.</b>					
Unusual Fire and Explosion Hazards	<b>Flammable liquid. A vapor accumulation may flash and/or explode, if ignited.</b>					
Hazardous products formed by fire or thermal decomposition	<b>None known</b>					
Explosive Limits (% by volume in air)	<b>NE</b>					
<b>SECTION V - OPTIONAL HAZARD RATINGS IDENTIFICATION</b>						
Hazardous Materials Identification System (HMIS)			National Fire Protection Association (NFPA)			
HEALTH <b>1</b>	REACTIVITY <b>0</b>	FLAMMABILITY <b>4</b>	PERSONAL PROTECTION <b>G</b>	HEALTH <b>1</b>	SPECIAL HAZARDS <b>None</b>	
(If TLV is exceeded).						

**SECTION VI - REACTIVITY and STABILITY DATA**

STABILITY	Unstable		Conditions to avoid Heat, sparks, open flame.
	Stable	X	

INCOMPATIBILITY (Materials to Avoid) Strong oxidizing agents, acids, alkalies.

HAZARDOUS DECOMPOSITION or BY PRODUCTS Carbon monoxide; carbon dioxide & unidentifiable organic materials.

HAZARDOUS POLYMERIZATION	May Occur		Conditions to avoid None known
	Will not Occur	X	

**SECTION VII - HEALTH HAZARD DATA**

Routes of entry	Inhalation? X	Skin? X	Ingestion? X	Eyes? X
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Health Hazards	Acute	None known.		
	Chronic	X	Prolonged & repeated contact could cause defatting and drying of skin which may cause skin irritation and dermatitis.	

Carcinogenicity: NTP? IARC Monographs? OSHA Regulated?

Not a carcinogen according to OSHA/NTP/IARC.

Signs and Symptoms of Exposure None

Medical Conditions Generally Aggravated by Exposure  
None

Emergency and First Aid Procedures Eyes: Flush with water for 15 min. with eyelids open. Skin: Wash with soap & water. Inhalation: Move to fresh air. Ingestion: Could cause vomiting, but do not induce. Contact physician.

**SECTION VIII - PRECAUTIONS FOR SAFE HANDLING and USE**

Steps to be Taken in Case Material is Released or Spilled Eliminate all ignition sources. Avoid exposure to sparks, fire, hot surfaces. Contain spills. Absorb with rags or vermiculate; then, flush area with water.

Waste Disposal Method In accordance with Local, State and Federal regulations.

Precautions to be Taken in Handling & Storage Keep containers labeled properly and tightly closed in cool and well-ventilated area. Relieve pressure in drums weekly.

Other Precautions Avoid prolonged or repeated contact with skin and eyes.

**SECTION IX - CONTROL MEASURES**

Respiratory Protection (Specify Type) If TLV is exceeded, wear NIOSH-approved self-contained breathing apparatus. Protective Neoprene or Gloves Polyvinyl alcohol.

Ventilation	Local Exhaust	Acceptable	Special	None
	Mechanical (General)		Other	None

Eye Protection Chemical safety goggles Other Protective Clothing or Equipment Chemical resistant apron/shoes.

Work/Hygiene Practices

**SECTION X - TRANSPORTATION INFORMATION (optional)**

D.O.T. Proper Shipping Name Adhesive-Flammable Liquid N.O.S. D.O.T. Hazard Class Flammable Liquid

If a "Consumer Commodity ORM-D", What is the qualifying Chemical? N/A

D.O.T. I.D. NO. (UN or NA) NA 1133 Hazard Label or Marking Required on Shipper Ctn. Flammable

IATA Proper Shipping Name Adhesive-Flammable Liquid IATA Hazard Class Flammable Liquid IMO No. 3.1