

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
(No change in label or container)
Bead Sealer

PART NO.
IF APPLICABLE 12-090,990

SECTION I

Manufacturer's Name **Camel Tire Care Products**
Address (Number, Street, City, State, and Zip Code)
P. O. Box 769

Emergency Phone No. **(918) 687-5427**

Signature of Preparer:
(Optional)

500 S. E. 48th St.

Manufacturer's Phone No. for information **(918) 687-5427**

Muskogee, Oklahoma 74402-0769

Date MSDS was prepared **1/22/89**

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

Hazardous Components (Specific Chemical Identity and Common Name(s), if any.)	CAS NO.	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED	% (OPTIONAL)
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1,1,1-Trichloroethane	71-55-6	350	350	PPM	94
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Non-hazardous ingredients*					6
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*Unidentified ingredients are not considered hazardous under the Federal Hazard Communication Standard (29 CFR 1910.1200).

SECTION III - PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point 165°F	Specific Gravity (H₂O=1) 1.3 - 1.4	Melting Point N/A
Vapor Pressure (mm Hg.) >1	Vapor Density (AIR=1) 4.6	Evaporation Rate (Butyl Acetate=1) (Ether = 1) <1
Solubility in Water Insoluble	% Volatile by Volume >90	Other (if any) N/A
Appearance and Odor Black; solvent odor.		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used) None (TOC)	Flammable Limits	LEL 8%	UEL 10.5%
Extinguishing Media Carbon dioxide, dry chemical, foam or water fog.			
Special Fire Fighting Procedures Wear self-contained breathing apparatus (SCBA).			
Unusual Fire and Explosion Hazards None known.			
Hazardous products formed by fire or thermal decomposition Highly toxic and irritating fumes.			
Explosive Limits (% by volume in air) 100			

SECTION V - OPTIONAL HAZARD RATINGS IDENTIFICATION

Hazardous Materials Identification System (HMIS)		National Fire Protection Association (NFPA)	
HEALTH 2	REACTIVITY 0	FIRE 1	REACTIVITY 0
FLAMMABILITY 1		HEALTH 3	
PERSONAL PROTECTION G (If vapor exceeds 350 ppm)		SPECIAL HAZARDS None	

SECTION VI - REACTIVITY and STABILITY DATA

STABILITY	Unstable		Conditions to avoid
	Stable	X	

Heat and open flame.

INCOMPATIBILITY (Materials to Avoid) Strong oxidizers and alkalis.

HAZARDOUS DECOMPOSITION or BY PRODUCTS Hydrogen chloride, carbon monoxide, carbon dioxide, traces of phosgene and chlorine.

HAZARDOUS POLYMERIZATION	May Occur		Conditions to avoid
	Will not Occur	X	

None known.

SECTION VII - HEALTH HAZARD DATA

Routes of entry	Inhalation? X	Skin? X	Ingestion? X	Eyes? X
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Health Hazards	Acute		Chronic over-exposure could result in liver disease and rhythm disorders of the heart.
	Chronic	X	

Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
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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: Immediately flush with large amts. of water for 15 minutes holding eyelids open. Skin: Remove contaminated clothing and wash skin with water. Inhalation: Move to fresh air. Ingestion: Immediately contact physician or local poison control center.

SECTION VIII - PRECAUTIONS FOR SAFE HANDLING and USE

Steps to be Taken In Case Material is Released or Spilled Wear personal protective equipment. Remove heat and ignition sources; ventilate the area; clean up with inert absorbant.

Waste Disposal Method May be burned in an approved incinerator or dispose of according to

Precautions to be Taken in Handling & Storage all local, State and Federal regulations.

Other Precautions Store in closed container in cool, well-ventilated area.

Note to Physician: Do not give epinephrine-type drugs.

SECTION IX - CONTROL MEASURES

Respiratory Protection If TLV is exceeded or for symptoms of over-exposure, wear NIOSH approved respirator for (Specify Type) Local Exhaust organic vapors to maintain exposure levels below 350 PPM.

Ventilation	Local Exhaust	Special	None
	Mechanical (General)	Other	None

Eye Protection Safety glasses

Other Protective Clothing or Equipment None

Work/Hygienic Practices Avoid skin contact & breathing vapors. Wash hands prior to eating, drinking or going to restroom.

SECTION X - TRANSPORTATION INFORMATION (optional)

D.O.T. Proper Shipping Name 1,1,1-Trichloroethane

D.O.T. Hazard Class ORM-A

If a "Consumer Commodity ORM-D", What is the qualifying Chemical? or ORM-A 1,1,1, Trichloroethane

D.O.T. I.D. NO. (UN or NA) UN 2831

Hazard Label or Marking Required on Shipper Ctn None

IATA Proper Shipping Name 1,1,1-Trichloroethane

IATA Hazard Class ORM-A

IMO NO. 6.1