

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 otherwise) Universal Cement	PART NO. IF APPLICABLE
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SECTION I

Manufacturer's Name Camel Tire Care Products Address (Number, Street, City, State, and Zip Code) P.O. Box 769 500 S. E. 48th St. Muskogee, Oklahoma 74402-0769	Emergency Phone No. (918) 687-5427 Signature of Preparer: (Optional) Manufacturer's Phone No. for Information (918) 687-5427 Date MSDS was prepared 6/13/90
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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)
1.1.1. Trichloroethane	71-55-6	350PPM	350 PPM		80
1.4 Diethylene Dioxane					1.8
Non-hazardous Ingredients*					17.4

*Unidentified ingredients are not considered hazardous under the Federal Hazard Communication Standard (29CFR) 1910.1200).

SECTION III - PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point	165° F	Specific Gravity (H ₂ O=1)	1.3 - 1.4	Melting Point	N/A
Vapor Pressure (mm Hg.)	100	Vapor Density (AIR=1)	4.6	Evaporation Rate (Butyl Acetate=1) (Ether = 1)	41
Solubility in Water	Insoluble	% Volatile by Volume	>90	Other (If any)	N/A
Appearance and Odor	Amber Viscous Clear liquid; solvent odor.				

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	None (TCC)	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 & Irritating Fumes.			
Explosive Limits (% by volume in air)	100			

SECTION V - OPTIONAL HAZARD RATINGS IDENTIFICATION

Hazardous Materials Identification System (HMIS) HEALTH <u>2</u> REACTIVITY <u>0</u> FLAMMABILITY <u>1</u> PERSONAL PROTECTION <u>G</u> (If vapor exceeds 350 PPM)	National Fire Protection Association (NFPA) FIRE <u>1</u> REACTIVITY <u>0</u> HEALTH <u>3</u> SPECIAL HAZARDS <u>None</u>
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SECTION VI - REACTIVITY and STABILITY DATA

STABILITY	Unstable		Conditions to avoid
	Stable	X	
INCOMPATIBILITY (Materials to Avoid) Strong oxidizers, alkalies			
HAZARDOUS DECOMPOSITION or BY PRODUCTS Hydrogen chloride, Carbon Monoxide, Carbon Dioxide, traces of phosphene 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 Yes	Skin?	X Yes	Ingestion?	X Yes	Eyes?	X Yes
Health Hazards	Acute							
	Chronic	X	Chronic over-exposure could result in liver disease and rhythm disorders of the heart.					
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: Immediately flush with large amt. 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
Precautions to be Taken in Handling & Storage	according to Local, State and Federal Regulations. Store in closed container in cool, well-ventilated area.
Other Precautions	None to Physician: Do not give epinephrine-type drugs

SECTION IX - CONTROL MEASURES

Respiratory Protection If TLV exceeded or for symptoms of overexposure, wear (Specify Type) NIOSH approved respirator for organic vapors to maintain exposure levels below 350PPM.		Protective Neoprene or Gloves Chemical resistant.
Ventilation	Local Exhaust NA	Special None
	Mechanical (General) NA	Other None
Eye Protection	Safety Glasses	Other Protective Clothing or Equipment None
Work/Hygienic Practices Avoid skin contact and 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