

# 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** (The chemical name or trade name of the material) **Boot Cement** **PART NO.** 12-075,076,905,908  
**IF APPLICABLE**

**SECTION I**

**Manufacturer's Name** Camel Tire Care Products **Emergency Phone No.** (918) 687-5427  
**Address (Number, Street, City, State, and Zip Code)** P. O. Box 769  
500 S. E. 48th St.  
Muskogee, Okla. 74402-0769 **Signature of Preparer: (Optional)**  
**Manufacturer's Phone No. for Information** (918) 687-5427  
**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)
1,1,1-Trichloroethane	71-55-6	350	350	PPM	96
Non-hazardous ingredients*					4

\*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 (H<sub>2</sub>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)** <1  
**Solubility in Water** Insoluble **% Volatile by Volume** >90 **Other (If any)** N/A  
**Appearance and Odor** Dull red; 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 **PERSONAL PROTECTION** G **HEALTH** 3 **SPECIAL HAZARDS** None  
(If vapor exceeds 350 PPM)

SECTION VI - REACTIVITY and STABILITY DATA

STABILITY	Unstable		Conditions to avoid Heat and open flame.
	Stable	X	

INCOMPATIBILITY(Materials to Avoid) Strong oxidizers and alkalies.

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

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

SECTION VII - HEALTH HAZARD DATA

Routes of entry: Inhalation?  Yes    Skin?  Yes    Ingestion?  Yes    Eyes?  Yes

Health Hazards: Acute:    Chronic:  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 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 all Local, State and Federal regulations.

Precautions to be Taken in Handling & Storage: Store in closed container in cool, well-ventilated area.

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

SECTION IX - CONTROL MEASURES

Respiratory Protection (Specify Type): If TLV is exceeded or for symptoms of over-exposure, wear NOISH approved respirator for organic vapors. Protective: Neoprene or gloves chemical resistant

Ventilation	Local Exhaust	organic vapors to maintain exposure levels below 350 PPM.	Special	None
	Yes	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-B" or ORM-A 1,1,1, Trichloroethane  
What is the qualifying Chemical?

D.O.T. I.D. NO. (UN or NA): UN 2831    Hazard Label or Marking Required on Shipper Con.: None

IATA Proper Shipping Name: 1,1,1-Trichloroethane    IATA Hazard Class: ORM-A    IMO No: 6.1