

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 <small>(As shown on label or container)</small> Liquid Buffer			PART NO. 12-092,915,958 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			Signature of Preparer: (Optional)		
500 S. E. 48th St.			Manufacturer's Phone No. for information (918) 687-5427		
Muskogee, Okla. 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)
1,1,1-Trichloroethane	71-55-6	350 PPM	350 PPM		100
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) <1
Solubility in Water	Insoluble	% Volatile by Volume	>90	Other (if any)	N/A
Appearance and Odor	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 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
FLAMMABILITY	1	PERSONAL PROTECTION	G	HEALTH	3
(If vapor exceeds 350 PPM)			SPECIAL HAZARDS. None		

SECTION VI - REACTIVITY and STABILITY DATA

STABILITY	Unstable		Conditions to avoid
	Stable	X	

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	

SECTION VII - HEALTH HAZARD DATA

Routes of entry	Inhalation? X Yes	Skin? X Yes	Ingestion? X Yes	Eyes? X Yes
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Health Hazards	Acute	
	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

SECTION VIII - PRECAUTIONS FOR SAFE HANDLING and USE or Local Poison Control Center.

Steps to be Taken in Case Material is Released or Spilled Wear personal protective equipment. Remove heat and ignition sources; ventilate the area; clean 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 NIOSH approved respirator for Local Exhaust organic vapors to maintain exposure levels below 350 PPM. Protective Neoprene or Gloves chemical resistant.

Ventilation	Local Exhaust	<u>organic vapors to maintain exposure levels below 350 PPM.</u>	Special	<u>None</u>
	Mechanical (General)	<u>NA</u>	Other	<u>None</u>

Eye Protection Safety glasses Other Protective Clothing or Equipment None

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

SECTION X - TRANSPORTATION INFORMATION (optional) drinking or going to restroom.

D.O.T. Proper Shipping Name	<u>1,1,1-Trichloroethane</u>	D.O.T. Hazard Class	<u>ORM-A</u>
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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)	<u>UN 2831</u>	Hazard Label or Marking Required on Shipper Ctn.	<u>None</u>
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IATA Proper Shipping Name	<u>1,1,1- Trichloroethane</u>	IATA Hazard Class	<u>ORM-A</u>	IMO NO.	<u>6.1</u>
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