

# TRADCO BRAKE CLEANER (MSDS)

## Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication standard 29 CFR 1910.1200. Standards must be consulted for specific requirements.

U.S. Department of Labor  
Occupational Safety and Health Administration  
Non-Mandatory Form  
Form Approved  
OSHA No. 1018-0070



Note: Blank spaces are not permitted, if not left is not applicable, or no information is available, the spaces must be marked to indicate this.

IDENTITY (As Used on Label and LHM)  
**BRAKE CLEANER**

### Section I

Manufacturer's Name  
**TRADCO CORPORATION INC.**  
Address (Number, Street, City, State and ZIP Code)  
**1081 ROSEMARY BLVD.  
AKRON OHIO 44306**

Emergency Telephone Number  
**(216) 773-7669**  
Telephone Number for Information  
**SAME**  
Date Prepared  
**4-5-91**  
Signature of Preparer (optional)

### Section II — Hazardous Ingredients/Identify Information

Hazardous Components (Specific Chemical Name, Common Name(s))  
**1,1,1, TRICHLOROETHANE**  
OSHA PEL  
ACGIH TLV  
CAS NUMBER  
**71-55-6**

Hazardous Components	Scale	HMIS HAZARD RATINGS	
		HEALTH HAZARD	FLAMMABILITY HAZARD
1,1,1, TRICHLOROETHANE	3	3	2
			2

### Section III — Physical/Chemical Characteristics

Boiling Point	190.4F	Specific Gravity (H <sub>2</sub> O = 1)	1.300
Vapor Pressure (mm Hg)	100 mmHg	Melting Point	N/A
Vapor Density (AIR = 1)	4.5	Evaporation Rate (Such Acetate = 1)	2.6
Solubility in Water	N/A		
Appearance and Color	CLEAR, APHA COLOR 15 MAX		

### Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used)	N/A	Flammable Limits	PRODUCT	LEL	7.5%	UEL	N/A
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Extinguishing Media  
**WATER FOG**

Special Fire Fighting Procedures  
**WATER MAY BE USED TO KEEP FIRE-EXPOSED CONTAINERS COOL UNTIL FTYRE IS OUT.**

Unusual Fire and Explosion Hazards  
**NEVER USE WELDING OR CUTTING TORCH ON OR NEAR DRUM (EVEN EMPTY), BECAUSE PRODUCT CAN IGNITE EXPLOSIVELY.**

Section V — Reactivity Data

Stability	Unstable	Conditions to Avoid
	Stable	X OPEN FLAMES, WELDING ARCS, RESISTANCE HEATERS.
Compatibility (Materials to Avoid)		
WATER REACTIVE METALS SUCH AS ALUMINUM AND MAGNESIUM		
Hazardous Decomposition or Byproducts		
HYDROGEN CHLORIDE AND SMALL AMOUNTS OF PHOSGENE AND CHLORINE		
STRONG OXIDIZING AGENTS.		
Hazardous Polymerization	May Occur	Conditions to Avoid
	Will Not Occur	X

Section VI — Health Hazard Data

Routes of Entry:	Inhalation?	Skin?	YES	YES	SKIN ABSORPTION
Signs and Symptoms (Acute and Chronic)					
OVEREXPOSURE TO PRODUCT HAS BEEN SUGGESTED AS A CAUSE OF THE FOLLOWING EFFECTS IN HUMANS, CARDIAC ABNORMALITY, LIVER ABNORMALITY, KIDNEY DAMAGE.					
Chronicity	NTP:	IARC Monographs?	1,4	OSHA Regulated?	1,4

Signs and Symptoms of Exposure	EYES: SEVERE IRRITATION AND BLURRED VISION. SKIN: DERMATITIS. BREATHING: DIZZINESS, NAUSEA, AND HEADACHE.
Medical Conditions Generally Aggravated by Exposure	CAN CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING AND DIARRHEA.
Emergency and First Aid Procedures	PROVIDE SUFFICIENT VENTILATION. SKIN: SOAP AND WATER. EYES: FLUSH WITH LARGE AMOUNTS OF WATER.

Section VII — Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled	SMALL SPILL: ABSORB LIQUID ON PAPER VERMICULITE, FLOOR ABSORBENT, OR OTHER ABSORBENT MATERIAL AND TRANSFER TO HOOD. LARGE SPILL: PERSONS NOT WEARING PROTECTIVE EQUIPMENT SHOULD BE EXCLUDED FROM AREA. DIKE AREA OF SPILL TO PREVENT SPREADING, PUMP LIQUID TO SALVAGE TANK.
Waste Disposal Method	SMALL SPILL: DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATION. LARGE SPILL: DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATION.
Precautions to Be Taken in Handling and Storing	PROVIDE SUFFICIENT VENTILATION

Other Precautions

Section VIII — Control Measures

Respiratory Protection (Specify Type)	
A NIOSH/MSHA APPROVED AIR SUPPLIED RESPIRATOR IS ADVISED	
Ventilation	Local Exhaust
	Mechanical (General)
Protective Gloves	RESISTANT GLOVES
Eye Protection	CHEMICAL SPLASH GOGGLES
Other Protective Clothing or Equipment	IMPERVIOUS CLOTHING
Work/Hygienic Practices	AVOID PROLONGED CONTACT WITH PLASTIC OR RUBBER I. E. EQUIPMENT,