

**Material Safety Data Sheet**  
 May be used to comply with  
 OSHA's Hazard Communication Standard,  
 29 CFR 1910.1200. Standard must be  
 consulted for specific requirements

**U.S. Department of Labor**  
 Occupational Safety and Health Administration  
 (Non-Mandatory Form)  
 Form-Approved  
 OMB No. 1218.0072

IDENTITY (As Used on Label and List)  
 Castex Liquid Cleaning Agent 1804

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.

**Section I**

Manufactured for: Castex Industries, Inc.	Emergency Telephone Number 312-523-8320
Address (Number, Street, City, State, and ZIP Code) 4240 Blue Star Hwy.	Telephone Number for Information 312-523-8320
Holland, MI 49423	Date Prepared November 18, 1986
	Signature of Preparer (optional)

**Section II—Hazardous Ingredients/Identity Information**

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	%(optional)
Ethyl Alcohol	Cas No. 64-17-5	1000ppm		<1%
Dimethyl Benzyl Ammonium Chlorides	Cas No. 139-08-2	Unknown		<4%

MS DS  
 SENT TO  
 SAFETY OFFICER  
 DATE 12/01/88

**Section III—Physical/Chemical Characteristics**

Boiling Point	212°F	Specific Gravity (H <sub>2</sub> O = 1)	1.04
Vapor Pressure (mm Hg.)	Unknown	Melting Point	n.a.
Vapor Density (AIR = 1)	Unknown	Evaporation Rate (Butyl Acetate = 1)	Unknown
Solubility in Water	100%		
Appearance and Odor	Thin clear yellow liquid, lemon odor.		

**Section IV—Fire and Explosion Hazard Data**

Flash Point (Method Used)	None	Flammable Limits	n.a.	LEL	n.a.	UEL	n.a.
Extinguishing Media	n.a.						
Special Fire Fighting Procedures	n.a.						
Unusual Fire and Explosion Hazards	n.a.						

**Section V—Reactivity Data**

Stability	Unstable		Conditions to Avoid
	Stable	X	

Incompatibility (Materials to Avoid) Strong Oxidizers

Hazardous Decomposition or By-products None

Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	

**Section VI—Health Hazard Data**

Rout(s) of Entry	Eyes	Inhalation?	Skin? X	Ingestion? X
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Health Hazards (Acute and Chronic) May cause burns to skin and eyes. May be harmful if swallowed.

Carcinogenicity:	None	NIP?	IARC Monographs?	OSHA Regulated?
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Signs and Symptoms of Exposure Eyes and skin: burning. Ingestion: gastro intestinal irritation.

Medical Conditions Generally Aggravated by Exposure Unknown

Emergency and First Aid Procedures In case of contact, flush with water for 10 minutes. If swallowed, give volumes of water, milk, or demulcents. Call Physician.

**Section VII—Precautions for Safe Handling and Use**

Steps to Be Taken in Case Material Is Released or Spilled Absorb on clay or rags.

Waste Disposal Method Sanitary land fill.

Precautions to Be Taken in Handling and Storing Avoid prolonged skin contact.

Other Precautions Keep out of the reach of children.

**Section VIII—Control Measures**

Respiratory Protection (Specific Type) None

Ventilation	Local Exhaust	n.a.	Special	n.a.
	Mechanical (General)	n.a.	Other	n.a.

Protective Gloves Recommended Eye Protection Recommended

Other Protective Clothing or Equipment None

Work/Hygienic Practices Keep in closed containers at ambient temperatures.