

# M a t e r i a l   S a f e t y   D a t a   S h e e t

A. B. Chance Company  
210 N. Allen Street  
Centralia, Missouri 65240

**Product:** HOT STICK WIPING CLOTH  
**Internal ID:** M1904

**MSDS No:** ABC / C14  
**Revision:** 2  
**Date:** October 23, 1985

National Paint  
and Coatings  
Association  
  
Hazardous Material  
Identification  
System

HEALTH HAZARD	* 1
FLAMMABILITY HAZARD	* 1
REACTIVITY HAZARD	* 0
PERSONAL PROTECTION	* B

## SECTION I. MATERIAL IDENTIFICATION

**Trade/Material Name:** HOT STICK WIPING CLOTH

**Description:** Silicone treated cotton cloth.

**Other Designations:** Wiping Cloth, Treated cloth, Cotton cloth.

**CAS:** Mixture

**Chemical Name:** Polydimethylsiloxane treated cotton cloth.

\* Data from silicone fluid used for treating cloth.

**Manufacturer:** A. B. Chance Company  
210 N. Allen  
Centralia, Mo. 65240

**Phone:** DAYS 573-682-8543  
NIGHTS/WEEKENDS 573-682-8727

## SECTION II. INGREDIENTS AND HAZARDS

Ingredient Name:	CAS Number:	Percent:	Exposure Limits:
Dimethyl polysiloxane	63148-52-7	20 to 40	None established (no toxic effects recorded).
Cotton Cloth		60 to 80	None established (no toxic effects recorded.)

## SECTION III. PHYSICAL DATA

**Appearance & Odor:** Brownish, wet-looking cloth, no odor.

<b>Boiling point:</b> >300 F (Silicone).	<b>Evaporation rate:</b> < 1 (Ether = 1).
<b>Vapor pressure:</b> < 5mm at 77 F.	<b>Specific gravity (H<sub>2</sub>O=1):</b> 1.289
<b>Water solubility (%):</b> < 0.1 % (Silicone).	<b>Melting point:</b> NA
<b>Vapor density (air=1):</b> NA	<b>% volatile by volume:</b> < 0.5 %
<b>pH:</b> NDA	

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**Molecular weight:** NDA

### SECTION IV. FIRE AND EXPLOSION DATA

**Flash Point (method):** > 400 F  
Pensky-Martens  
closed cup ASTM  
D93 (Silicone).  
**Limits: LEL %:** \* 0.06  
oz/cu. ft.  
**UEL %:** \*

**NFPA Flammable/Combustible Liquid Classification:** None

**NFPA Fire Hazard Symbol Codes:** Flammability: 1 Health: 1 Reactivity: 0 Special: NA

**Extinguishing Media:** CO2, dry chemical, foam, water spray  
(fog).  
**Autoignition Temp:**  
\* >500 C (Cloud).

**Unusual fire or explosion hazards:** Though low in combustibility, Silicone will burn at high temperature, producing SiO2 smoke in addition to oxides of carbon. When heated in air (without burning, for example at 200-300 C), it slowly evolves formaldehyde.

**Special fire-fighting procedures:** Self-contained breathing apparatus and protective clothing should be worn in fighting fires involving chemicals.

\* Data on cellulose flock (CAS 009-004-346), particle size 22 micro m. mean diameter. Smolder temperature > 350 C. Cotton, being a cellulosic material, is expected to have similar properties.

### SECTION V. REACTIVITY DATA

Material is stable Hazardous polymerization will not occur

**Chemical incompatibilities:** Incompatible with strong oxidizing agents.

**Hazardous decomposition Products:** Silicone dioxide, carbon dioxide, incompletely burned carbon products.

Cellulosic materials can be a fire hazard if allowed to stand while moistened with solvents or even water. (Undergoes microbiological degradation with generation of heat.) They are combustible with about 60% of the energy content of bituminous coal. Certain enzymes can hydrolyze (depolymerize) cellulose to glucose. Above 150 C silicone can slowly react with the oxygen of the air, the rate of oxidation increasing as the temperature rises, producing formaldehyde, oxides of carbon, and (at high temperature) SiO2. It can slowly depolymerize to volatile siloxanes when heated above about 300 C whether or not air is present.

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### SECTION VI. HEALTH HAZARD INFORMATION

This product is not considered a carcinogen by NTP, IARC, or OSHA.

**Summary of risks:** This material is considered to be non-toxic. Ingestion of large amounts of silicone would be expected to have a laxative effect. This is unlikely, however very small amounts may be ingested if user failed to wash hands before eating. Dimethyl silicone fluid and cotton thread can be irritating in the eye until removed. When heated at high temperature, fumes and oxidation products can be irritating and toxic.

#### Signs & symptoms of overexposure:

**Eye contact:** May cause mild irritation in some people.

**Skin contact:** No evidence of adverse effects from available information.

**Inhalation:** No evidence of adverse effects from available information.

**Ingestion:** Silicones can act as a laxative.

#### First aid:

**Eye contact:** Flush with large amounts of water for 15 minutes. Get medical help if irritation persists.

**Skin contact:** Wash well with soap and water.

**Inhalation:** Remove to fresh air.

**Ingestion:** If laxative symptoms persist, consult a physician.

No known adverse chronic health effects, but unnecessary exposure to any chemical should be avoided. This product, as with any chemical, may enhance allergic conditions on certain people. We do not know of any medical conditions that might be aggravated by exposure to this product.

### SECTION VII. SPILL, LEAK AND DISPOSAL PROCEDURES

**Waste management / Disposal:** Deposit this biodegradable material in a approved landfill. Follow Federal, State, and Local regulations.

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### SECTION VIII. SPECIAL PROTECTION INFORMATION

#### Personal protective equipment:

**Goggles:** Use of safety glasses/goggles is recommended to prevent eye irritation.

**Gloves:** Plastic

#### Workplace considerations:

##### Safety stations:

Eyewash stations and washing facilities should be available.

### SECTION IX. SPECIAL PRECAUTIONS

**Storage segregation:** Store in closed containers away from sources of heat, ignition and strong oxidizing agents.

Use good personal hygiene.

**DOT Class:** None

**UN Register:** None

**Data source code(s):** 1

**Prepared/revised by:** BILL EMERY ENVIRONMENTAL MGR.

March 15, 1996

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