

# MATERIAL SAFETY DATA SHEET

Cantal 300, Cantal 400, Cantal 490, Cantal 600, Cantal 690, Cantal 45-80,  
Cantal 45-85, Talcor 200, Talcor 5600, M-Flow

## Section 1: PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Cantal 300, Cantal 400, Cantal 490, Cantal 600, Cantal 690, Cantal 45-80, Cantal 45-85, Talcor 200, Talcor 5600, M-Flow

**Product Use:** Various.

**Manufacturer/Supplier:** Canada Talc Ltd.  
163 Marmora Mine Road  
Marmora, Ontario  
K0K 2M0

**Phone Number:** 613-472-2434

**Emergency Phone:** 613-472-2434

**Date of Preparation:** February 5, 2009

## Section 2: HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

#### WARNING

NOT AN ACUTE HAZARD. MAY CONTAIN QUARTZ. May cause eye or skin irritation in high concentrations. As with all mineral dusts, minimize dusting during clean-up. Avoid breathing dust. Prolonged inhalation may cause lung injury.

**Potential Health Effects:** See Section 11 for more information.

**Likely Routes of Exposure:** Skin contact, eye contact, inhalation, and ingestion.

- Eye:** Dust may cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.
- Skin:** May cause dryness to the skin. Irritations are uncommon however if irritations or redness occur seek medical attention.
- Ingestion:** Not applicable under normal conditions of use. May result in obstruction and temporary irritation of the digestive tract.
- Inhalation:** May cause respiratory tract irritation. Prolonged or repeated exposure may lead to lung or other diseases.

**Chronic Effects:** Prolonged or repeated exposures to air-borne dust may cause injury to the lungs.

**Signs and Symptoms - Eye:** Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.

**Signs and Symptoms - Skin:** Symptoms may include redness and drying of the skin.

**Medical Conditions Aggravated By Exposure:** Because of its irritating properties, dust may aggravate preexisting skin, eye, and respiratory conditions.

**Target Organs:** Skin, eyes, gastrointestinal tract, respiratory system.

This product is a hazardous chemical as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**Potential Environmental Effects:** May cause long-term adverse effects in the aquatic environment. See Section 12 for more information.

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## Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	CAS #	Wt. %
Talc	14807-96-6	60 - 100
Tremolite (nonasbestiform)	14567-73-8	15 - 40
Silica, crystalline, quartz	14808-60-7	0.1 - 1

## Section 4: FIRST AID MEASURES

**Eye Contact:** In case of contact, immediately flush eyes with plenty of water. Remove contact lenses, if worn. If irritation persists, get medical attention.

**Skin Contact:** Wash with water, apply common skin moisturizers to relive dryness. Irritations are uncommon, however if irritation or redness develops seek medical attention.

**Inhalation:** If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

**Ingestion:** If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

**General Advice:** In case of accident or if you feel unwell, seek medical advice immediately (show the label or MSDS where possible).

**Note to Physicians:** Symptoms may not appear immediately.

## Section 5: FIRE FIGHTING MEASURES

**Flammability:** Not flammable by WHMIS/OSHA criteria.

**Means of Extinction:**

**Suitable Extinguishing Media:** Not applicable.

**Unsuitable Extinguishing Media:** Not available.

**Products of Combustion:** Material will not Burn.

**Explosion Data:**

**Sensitivity to Mechanical Impact:** Not available.

**Sensitivity to Static Discharge:** Not available.

**Protection of Firefighters:** Use appropriate measure to fight the surrounding fire. Material is not flammable.

## Section 6: ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

**Environmental Precautions:** If large quantities enter a waterway, advise local authorities.

**Methods for Containment:** Contain spill, then place in a suitable container. Minimize dust generation. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).

**Methods for Clean-Up:** Vacuum or sweep material and place in a disposal container.

**Other Information:** Not available.

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## Section 7: HANDLING AND STORAGE

### Handling:

Avoid contact with skin and eyes. Do not swallow. Good housekeeping is important to prevent accumulation of dust. Avoid generating dust. The use of compressed air for cleaning clothing, equipment, etc, is not recommended. Handle and open container with care. When using do not eat or drink. Wash hands before eating, drinking, or smoking.

### Storage:

Keep out of the reach of children. Keep container tightly closed.

## Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure Guidelines

Ingredient	Exposure Limits	
	OSHA-PEL	ACGIH-TLV
Talc	20 mppcf	2 mg/m <sup>3</sup> (resp)
Tremolite (nonasbestiform)	Not available.	Not available.
Silica, crystalline, quartz	((10 mg/m <sup>3</sup> )/(%SiO <sub>2</sub> +2) TWA (resp)); ((30 mg/m <sup>3</sup> )/(%SiO <sub>2</sub> +2) TWA (total)); ((250)/(%SiO <sub>2</sub> +5) mppcf TWA (resp))	0.025 mg/m <sup>3</sup>

**Engineering Controls:** When using product, provide local and general exhaust ventilation to keep airborne dust concentrations below exposure limits. Use wet methods, if appropriate, to reduce the generation of dust.

### Personal Protective Equipment:

**Eye/Face Protection:** Safety glasses or goggles are recommended for nuisance dust. Ensure compliance with OSHA's PPE standards (29 CFR 1910.132 (general) and 133 (eye and face protection)). Safety shower/eye wash fountain must be readily available in the workplace area (29 CFR 1910.151(c)).

**Hand Protection:** Protective gloves are not required, but may be used to prevent drying or irritation of hands.

**Skin and Body Protection:** Wear suitable protective clothing.

**Respiratory Protection:** A NIOSH approved dust mask or filtering facepiece is recommended in poorly ventilated areas or when permissible exposure limits may be exceeded. Respirators should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134) and ANSI's standard for respiratory protection (Z88.2).

**General Hygiene Considerations:** Handle according to established industrial hygiene and safety practices.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Powder.
<b>Color:</b>	White.
<b>Odour:</b>	Odourless.
<b>Odour Threshold:</b>	Not available.
<b>Physical State:</b>	Solid.
<b>pH:</b>	7-9.5
<b>Viscosity:</b>	Not available.

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<b>Freezing Point:</b>	Not available.
<b>Boiling Point:</b>	Not available.
<b>Flash Point:</b>	Not available.
<b>Evaporation Rate:</b>	Not available.
<b>Lower Flammability Limit:</b>	Not available.
<b>Upper Flammability Limit:</b>	Not available.
<b>Vapor Pressure:</b>	Not available.
<b>Vapor Density:</b>	Not available.
<b>Specific Gravity:</b>	2.84-2.89
<b>Solubility in Water:</b>	Insoluble.
<b>Coefficient of Water/Oil Distribution:</b>	Not available.
<b>Auto-ignition Temperature:</b>	Not available.
<b>Percent Volatile, wt. %:</b>	Not available.
<b>VOC content, wt. %:</b>	Not available.

## Section 10: STABILITY AND REACTIVITY

**Stability:** Stable under normal storage conditions.

**Conditions of Reactivity:** Heat. Incompatible materials.

**Incompatible Materials:** Acids.

**Hazardous Decomposition Products:** May include, and are not limited to: oxides of carbon.

**Possibility of Hazardous Reactions:** No dangerous reaction known under conditions of normal use.

## Section 11: TOXICOLOGY INFORMATION

### EFFECTS OF ACUTE EXPOSURE

#### Component Analysis

<b>Ingredient</b>	<b>LD<sub>50</sub> (oral)</b>	<b>LC<sub>50</sub></b>
Talc	Not available.	Not available.
Tremolite (nonasbestiform)	Not available.	Not available.
Silica, crystalline, quartz	500 mg/kg, rat	Not available.

**Eye:** Dust may cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.

**Skin:** May cause irritation by skin contact. Symptoms may include redness and drying of the skin.

**Ingestion:** Not applicable under normal conditions of use. May result in obstruction and temporary irritation of the digestive tract.

**Inhalation:** May cause respiratory tract irritation. Prolonged or repeated exposure may lead to lung or other diseases.

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## EFFECTS OF CHRONIC EXPOSURE

**Target Organs:** Not available.

**Chronic Effects:** Hazardous by WHMIS/OSHA criteria.

**Carcinogenicity:** Hazardous by WHMIS/OSHA criteria.

### Ingredient

### Chemical Listed as Carcinogen or Potential Carcinogen \*

Talc

Not listed.

Tremolite (nonasbestiform)

Not listed.

Silica, crystalline, quartz

G-A2, I-1, N-1, CP65

\* See Section 15 for more information.

**Mutagenicity:** Not hazardous by WHMIS/OSHA criteria.

**Reproductive Effects:** Not hazardous by WHMIS/OSHA criteria.

### Developmental Effects:

**Teratogenicity:** Not hazardous by WHMIS/OSHA criteria.

**Embryotoxicity:** Not hazardous by WHMIS/OSHA criteria.

**Respiratory Sensitization:** Not hazardous by WHMIS/OSHA criteria.

**Skin Sensitization:** Not hazardous by WHMIS/OSHA criteria.

**Toxicologically Synergistic Materials:** Not available.

## Section 12: ECOLOGICAL INFORMATION

**Ecotoxicity:** May cause long-term adverse effects in the aquatic environment.

**Persistence / Degradability:** Not available.

**Bioaccumulation / Accumulation:** Not available.

**Mobility in Environment:** Not available.

## Section 13: DISPOSAL CONSIDERATIONS

### Disposal Instructions:

This material must be disposed of in accordance with all local, state, provincial, and federal regulations.

## Section 14: TRANSPORTATION INFORMATION

### DOT Classification

Not regulated

### TDG Classification

Not regulated

## Section 15: REGULATORY INFORMATION

### Federal Regulations

**Canadian:** This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

**US:** MSDS prepared pursuant to the Hazard Communication Standard (CFR29 1910.1200).

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## SARA Title III

Ingredient	Section 302 (EHS) TPQ (lbs.)	Section 304 EHS RQ (lbs.)	CERCLA RQ (lbs.)	Section 313
Talc	Not listed.	Not listed.	Not listed.	Not listed.
Tremolite (nonasbestiform)	Not listed.	Not listed.	Not listed.	Not listed.
Silica, crystalline, quartz	Not listed.	Not listed.	Not listed.	Not listed.

## Global Inventories

Ingredient	Canada DSL/NDSL	USA TSCA
Talc	DSL	Yes.
Tremolite (nonasbestiform)	DSL	Yes.
Silica, crystalline, quartz	DSL	Yes.

## HMIS - Hazardous Materials Identification System

**Health - 1\***      **Flammability - 0**      **Physical Hazard - 0**      **PPE – E**

## NFPA - National Fire Protection Association:

**Health - 1\***      **Fire - 0**      **Reactivity - 0**

**Hazard Rating:** 0 = minimal, 1 = slight, 2 = moderate, 3 = severe, 4 = extreme

## WHMIS Classification(s):

Class D2A - Carcinogenicity  
Class D2A - Chronic Toxic Effects

## WHMIS Hazard Symbols:



## SOURCE AGENCY CARCINOGEN CLASSIFICATIONS:

**OSHA (O)** Occupational Safety and Health Administration.

**ACGIH (G)** American Conference of Governmental Industrial Hygienists.

- A1 - Confirmed human carcinogen.
- A2 - Suspected human carcinogen.
- A3 - Animal carcinogen.
- A4 - Not classifiable as a human carcinogen.
- A5 - Not suspected as a human carcinogen.

**IARC (I)** International Agency for Research on Cancer.

- 1 - The agent (mixture) is carcinogenic to humans.
- 2A - The agent (mixture) is probably carcinogenic to humans; there is limited evidence of carcinogenicity in humans and sufficient evidence of carcinogenicity in experimental animals.
- 2B - The agent (mixture) is possibly carcinogenic to humans; there is limited evidence of carcinogenicity in humans in the absence of sufficient evidence of carcinogenicity in experimental animals.
- 3 - The agent (mixture, exposure circumstance) is not classifiable as to its carcinogenicity to humans.
- 4 - The agent (mixture, exposure circumstance) is probably not carcinogenic to humans.

**NTP (N)** National Toxicology Program.

- 1 - Known to be carcinogens.
- 2 - Reasonably anticipated to be carcinogens.

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## Section 16: OTHER INFORMATION

**Disclaimer:**

The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

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