



## MATERIAL SAFETY DATA SHEET

in accordance with 91/155/EEC (up to 2001/58/EC)

### 1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

**Product Name:** CMS-2000 White

**Date of Preparation:** 8 April 2005

**MSDS No.** 1090W-3

Not classified as hazardous according to criteria of Worksafe Australia.

**Company:**

A.W. CHESTERTON COMPANY  
860 Salem Street  
Groveland, MA 01834-1563, USA  
Tel.: +1 978-469-6446  
(Mon. - Fri. 8:30 - 5:00 PM EST)

**Supplier:**

**For Chemical Emergency:**

24 hours per day, 7 days per week  
Call Infotrac: 1-800-535-5053  
Outside N. America: +1 352-323-3500 (collect)

**Use:** White, non-staining injectable sealing compound. Can be used on worn shafts. Nontoxic at temperatures below 260°C (500°F).

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Ingredients <sup>1</sup>	% Wt.	CAS No.	EC No.	Symbol	R-phrases
Talc	5-10	14807-96-6	238-877-9	-	-

### 3. HAZARDS IDENTIFICATION

None expected in industrial use. PTFE is nontoxic at ambient temperatures. At temperatures above 260°C (500°F), toxic decomposition products may be emitted. Due to toxic decomposition, avoid smoking when handling PTFE products. Wash hands to avoid transfer to tobacco products.

### 4. FIRST AID MEASURES

<b>Inhalation:</b>	If overcome by decomposition fumes, remove to fresh air. If not breathing, administer artificial respiration. Contact physician.
<b>Skin Contact:</b>	Wash skin with soap and water. Contact physician if irritation persists.
<b>Eye Contact:</b>	Flush eyes for at least 15 minutes with large amounts of water. Contact physician if irritation persists.
<b>Ingestion:</b>	not applicable
<b>Advice to Physician:</b>	Treat symptoms.

**5. FIRE-FIGHTING MEASURES**

<b>Extinguishing Methods:</b>	Carbon Dioxide, dry chemical or water spray
<b>Unusual Fire and Explosion Hazards:</b>	Toxic fumes may be emitted at temperatures above 260°C (500°F).
<b>Special Fire Fighting Measures:</b>	Recommend Firefighters wear self-contained breathing apparatus to protect against hazardous decomposition products.
<b>Flammability Classification:</b>	–
<b>HAZCHEM Emergency Action Code:</b>	2 <b>Z</b>

**6. ACCIDENTAL RELEASE MEASURES**

<b>Personal Precautions:</b>	No special precautions.
<b>Environmental Precautions:</b>	No special requirements.
<b>Methods of Clean Up:</b>	No special steps required. Nontoxic.

**7. HANDLING AND STORAGE**

<b>Handling:</b>	Due to toxic decomposition, avoid smoking when handling PTFE products. Wash hands to avoid transfer to tobacco products.
<b>Storage:</b>	Store in cool, dry area.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

Hazardous Ingredients	OSHA		ACGIH TLV		AUSTRALIA	
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Talc	20 mppcf	2	(resp)	2	(resp)	2.5

<b>Respiratory Protection:</b>	Not required.
<b>Ventilation:</b>	No special requirements. If using under extreme heat, use local exhaust.
<b>Protective Gloves:</b>	Not normally needed.
<b>Eye Protection:</b>	Not normally needed.
<b>Other:</b>	Long sleeves, long pants and good personal hygiene to minimize skin contact.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Physical state</b>	putty-like compound	<b>Odour</b>	none
<b>Colour</b>	white	<b>Vapour pressure @ 20°C</b>	not applicable
<b>Initial boiling point</b>	not applicable	<b>% Aromatics by weight</b>	not applicable
<b>Melting point</b>	not applicable	<b>pH</b>	not applicable
<b>% Volatile (by volume)</b>	not applicable	<b>Density</b>	not applicable
<b>Flash point</b>	not applicable	<b>Weight per volume</b>	not applicable
<b>Method</b>	none	<b>Coefficient (water/oil)</b>	not applicable
<b>Viscosity</b>	not applicable	<b>Vapour density (air=1)</b>	not applicable
<b>Autoignition temp.</b>	not applicable	<b>Rate of evaporation (ether=1)</b>	not applicable
<b>Explosion limits</b>	not applicable	<b>Solubility in water</b>	slight
		<b>Other</b>	none

10. STABILITY AND REACTIVITY	
<b>Stability:</b>	Stable
<b>Hazardous Polymerization:</b>	Will not occur.
<b>Hazardous Decomposition Products:</b>	Hydrogen Cyanide, Carbon Monoxide, Carbon Dioxide, trace amounts of Hydrogen fluoride, Perfluorocarbon olefins, and other toxic fumes may be evolved above 260°C (500°F).
<b>Conditions to Avoid:</b>	Extreme heat above 260°C (500°F).
<b>Materials to Avoid:</b>	Oxidizers, Fluorine, Chlorine Trifluoride and related compounds and molten alkali metals.
11. TOXICOLOGICAL INFORMATION	
<b>Primary Route of Exposure Under Normal Use:</b>	Inhalation (PTFE decomposition fumes) and skin and eye contact.
<b>Acute Effects:</b>	PTFE is nonhazardous at ambient temperatures. However, small quantities of toxic gases may be produced at temperatures above 260°C (500°F), due to decomposition. Inhalation of these decomposition products may cause temporary flu-like symptoms.
<b>Chronic Effects:</b>	Repeated or prolonged inhalation of Talc dust may cause chronic cough, shortness of breath, scarring of the lungs (pulmonary fibrosis) and mild symptomatic pneumoconiosis.
<b>Other Information:</b>	As per 29 CFR 1910.1200 (Hazard Communication), this product contains no carcinogens as listed in the National Toxicology Program (NTP), the International Agency for Research on Cancer (IARC) or the Occupational Safety and Health Administration (OSHA).
12. ECOLOGICAL INFORMATION	
Ecotoxicological data have not been determined specifically for this product. The information given below is based on a knowledge of the components and the ecotoxicology of similar substances.	
<b>Mobility:</b>	Putty-like compound. Slightly soluble in water.
<b>Degradability:</b>	PTFE: nonbiodegradable. Talc: exists in nature.
<b>Accumulation:</b>	not determined
<b>Ecotoxicity:</b>	PTFE: nontoxic.
13. DISPOSAL CONSIDERATIONS	
Unused product is not a regulated waste. Check local, state and national/federal regulations and comply with the most stringent requirement.	
<b>EWC-code:</b>	07 02 17
14. TRANSPORT INFORMATION	
<b>TDG:</b>	NONHAZARDOUS, NOT REGULATED
<b>IMDG:</b>	NONHAZARDOUS, NOT REGULATED
<b>IATA/ICAO:</b>	NONHAZARDOUS, NOT REGULATED
<b>ADR/RID:</b>	NONHAZARDOUS, NOT REGULATED
<b>U.S. DOT :</b>	Shipping Name: NONHAZARDOUS Hazard Class: NOT REGULATED UN/NA # : NOT APPLICABLE Packaging Group # NOT APPLICABLE Emergency Response Guide Book No. - NOT APPLICABLE

**15. REGULATORY INFORMATION**

**European Classification:**<sup>1</sup> none  
**R-Phrase(s):** –  
**S-Phrase(s):** –  
**Name of the substances on the label:** –  
**Other information:** none

**Canadian Classification:**<sup>1</sup> D2A: Very toxic materials causing other effects  
**Risk Phrase(s):** Repeated or prolonged inhalation of Talc dust may cause chronic cough, shortness of breath, scarring of the lungs (pulmonary fibrosis) and mild symptomatic pneumoconiosis.  
**Precautionary and First Aid Measure(s):** Avoid excessive creation and inhalation of dust. If affected by inhalation of dust, move to fresh air. Contact physician immediately.  
**Other Information:** none

**16. OTHER INFORMATION**

**US EPA SARA TITLE III**

**312 Hazards :** None  
**313 Chemicals :** None

**Hazardous Materials Identification System (HMIS)**

4 = Severe Hazard  
 3 = Serious Hazard  
 2 = Moderate Hazard  
 1 = Slight Hazard  
 0 = Minimal Hazard  
 \* = See Section 8

<b>HEALTH</b>	<b>1</b>
<b>FLAMMABILITY</b>	<b>0</b>
<b>REACTIVITY</b>	<b>1</b>
<b>Personal Protection</b>	<b>*</b>

**JAPAN PRTR**

**Class I Chemicals :**  
None

**Class II Chemicals :**  
None

**Risk phrases in section 2:** none

**Changes to the MSDS in this revision:** sections 1 (address and telephone number), 2, 8, 11, 12, 13, 15, 16.

This information is based solely on data provided by suppliers of the materials used, not on the mixture itself. No warranty is expressed or implied regarding the accuracy of the data or the suitability of the product for the user's particular purpose. The user must make their own determination as to suitability.