



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-FP

Date of Preparation: 8 April 2005

MSDS No. 1112-3

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 in food, potable water and pharmaceutical applications.
 Nontoxic at temperatures below 260°C (500°F).

2. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Ingredients ¹	% 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

Inhalation: If overcome by decomposition fumes, remove to fresh air. If not breathing, administer artificial respiration. Contact physician.

Skin Contact: Wash skin with soap and water. Contact physician if irritation persists.

Eye Contact: Flush eyes for at least 15 minutes with large amounts of water. Contact physician if irritation persists.

Ingestion: not applicable

Advice to Physician: Treat symptoms.

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 ® Reg. US Patent and TM Office

¹Classified according to: * 29 CFR 1910.1200, 1915, 1916, 1917
 * Mass. Right-to-Know Law (ch. 40, M.G.L..O. 111F)
 * Canadian WHMIS regulations
 * 67/548/EEC (29th Adaptation) and 99/45/EC
 * Worksafe Australia [NOHSC: 1008 (1999)]

5. FIRE-FIGHTING MEASURES

Extinguishing Methods: Carbon Dioxide, dry chemical or water spray

Unusual Fire and Explosion Hazards: Toxic fumes may be emitted at temperatures above 260°C (500°F).

Special Fire Fighting Measures: Recommend Firefighters wear self-contained breathing apparatus to protect against hazardous decomposition products.

Flammability Classification: -

HAZCHEM Emergency Action Code: 2 **Z**

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Utilize exposure controls and personal protection as specified in Section 8.

Environmental Precautions: No special requirements.

Methods of Clean Up: No special steps required. Nontoxic.

7. HANDLING AND STORAGE

Handling: Do not smoke when handling PTFE products; wash hands after handling to avoid transfer to tobacco products. Utilize exposure controls and personal protection as specified in Section 8.

Storage: Store in cool, dry area.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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

Respiratory Protection: Not required.

Ventilation: No special requirements. If using under extreme heat, use local exhaust.

Protective Gloves: Not normally needed.

Eye Protection: Not normally needed.

Other: Long sleeves, long pants and good personal hygiene to minimize skin contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

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

10. STABILITY AND REACTIVITY

Stability:	Stable
Hazardous Polymerization:	Will not occur.
Hazardous Decomposition Products:	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).
Conditions to Avoid:	Extreme heat above 260°C (500°F).
Materials to Avoid:	Oxidizers, Fluorine, Chlorine Trifluoride and related compounds and molten alkali metals.

11. TOXICOLOGICAL INFORMATION

Primary Route of Exposure Under Normal Use:	Inhalation (PTFE decomposition fumes) and skin and eye contact.
Acute Effects:	PTFE is nontoxic 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.
Chronic Effects:	Repeated or prolonged inhalation of Talc dust may cause chronic cough, shortness of breath, scarring of the lungs (pulmonary fibrosis) and mild symptomatic pneumoconiosis.
Other Information:	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.

Mobility:	Putty-like compound. Slightly soluble in water.
Degradability:	PTFE: nonbiodegradable. Talc: exists in nature.
Accumulation:	not determined
Ecotoxicity:	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.

EWC-code: 07 02 17

14. TRANSPORT INFORMATION

TDG:	NONHAZARDOUS, NOT REGULATED	U.S. DOT :
IMDG:	NONHAZARDOUS, NOT REGULATED	Shipping Name: NONHAZARDOUS
IATA/ICAO:	NONHAZARDOUS, NOT REGULATED	Hazard Class: NOT REGULATED
ADR/RID:	NONHAZARDOUS, NOT REGULATED	UN/NA # : NOT APPLICABLE
		Packaging Group # NOT APPLICABLE
		Emergency Response Guide Book No. - NOT APPLICABLE

15. REGULATORY INFORMATION									
European Classification: ¹	none								
R-Phrase(s):	–								
S-Phrase(s):	–								
Name of the substances on the label:	–								
Other information:	–								
Canadian Classification: ¹	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:	–								
16. OTHER INFORMATION									
US EPA SARA TITLE III	Hazardous Materials Identification System (HMIS)								
312 Hazards : none 313 Chemicals : none	4 = Severe Hazard 3 = Serious Hazard 2 = Moderate Hazard 1 = Slight Hazard 0 = Minimal Hazard * = See Section 8 <table border="1" style="float: right; margin-top: 10px;"> <tr> <td>HEALTH</td> <td style="text-align: center;">1</td> </tr> <tr> <td>FLAMMABILITY</td> <td style="text-align: center;">0</td> </tr> <tr> <td>REACTIVITY</td> <td style="text-align: center;">1</td> </tr> <tr> <td>Personal Protection</td> <td style="text-align: center;">*</td> </tr> </table>	HEALTH	1	FLAMMABILITY	0	REACTIVITY	1	Personal Protection	*
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none	none								
Risk phrases in section 2: none									
Changes to the MSDS in this revision: sections 1 (address and telephone number), 2, 8, 9, 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.									