



## SAFETY DATA SHEET

in accordance with 2015/830/EU (REACH, Annex II) 29 CFR 1910.1200, WHMIS 2015 and Safe Work Australia

**Revision date:** 12 August 2020

**Initial date of issue:** 6 July 2007

**SDS No.** 126-19

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1. Product identifier

900 GoldEnd® Paste

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

This is a nonhardening moldable dry Polytetrafluoroethylene (PTFE) thread sealant and lubricant.

#### 1.3. Details of the supplier of the safety data sheet

##### Company:

A.W. CHESTERTON COMPANY  
860 Salem Street  
Groveland, MA 01834-1507, USA  
Tel. +1 978-469-6446 Fax: +1 978-469-6785  
(Mon. - Fri. 8:30 - 5:00 PM EST)  
SDS requests: [www.chesterton.com](http://www.chesterton.com)  
E-mail (SDS questions): [ProductSDSs@chesterton.com](mailto:ProductSDSs@chesterton.com)  
E-mail: [customer.service@chesterton.com](mailto:customer.service@chesterton.com)

##### Supplier:

Canada: A.W. Chesterton Company Ltd., 889 Fraser Drive,  
Unit 105, Burlington, Ontario L7L 4X8 – Tel. 905-335-5055  
EU: Chesterton International GmbH, Am Lenzenfleck 23,  
D85737 Ismaning, Germany – Tel. +49-89-996-5460

#### 1.4. Emergency telephone number

24 hours per day, 7 days per week  
Call Infotrac: 1-800-535-5053  
Outside N. America: +1 352-323-3500 (collect)  
NSW Poisons Information Centre (Australia): 13 11 26

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1. Classification of the substance or mixture

##### 2.1.1. Classification according to Regulation (EC) No 1272/2008 [CLP] / 29 CFR 1910.1200 / WHMIS 2015 / Safe Work Australia / GHS

This product does not meet the criteria for classification in any hazard class according to Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures, 29 CFR 1910.1200, WHMIS 2015 and GHS.

##### 2.1.2. Australian statement of hazardous nature

Not classified as hazardous according to criteria of Safe Work Australia.

##### 2.1.3. Additional information

For full text of H-statements: see SECTIONS 2.2 and 16.

#### 2.2. Label elements

##### Labelling according to Regulation (EC) No 1272/2008 [CLP] / 29 CFR 1910.1200 / WHMIS 2015 / Safe Work Australia / GHS

**Hazard pictograms:** None

**Signal word:** None

**Hazard statements:** None

**Precautionary statements:** None

**Supplemental information:** None

**2.3. Other hazards**

When heated to temperatures above 260°C (500°F), perfluorocarbon resins begin to give off vapors that may cause temporary flu-like symptoms if inhaled. Thermal decomposition leads to the formation of oxidized products containing carbon, fluorine and oxygen. The ACGIH states that no exposure limit is recommended pending determination of the toxicity of the products, but air concentration should be minimal. Likewise, when using this product avoid smoking for the same reason. Avoid contamination of tobacco products.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.2. Mixtures**

Hazardous Ingredients <sup>1</sup>	% Wt.	CAS No./ EC No.	REACH Reg. No.	CLP/GHS Classification
Methanol	0.1-0.3	67-56-1 200-659-6	NA	Flam. Liq. 2, H225 Acute Tox. 3, H301/311/331 STOT SE 1, H370 Eye Irrit. 2A, H319
Other ingredients:				
Talc*	20-30	14807-96-6 238-877-9	NA	Not classified**
Fatty acids, tallow, Me esters, chlorinated	10-15	68440-29-9 270-448-1	NA	Not classified
Titanium dioxide*	5-10	13463-67-7 236-675-5	NA	Not classified*
White mineral oil (petroleum)	5-10	8042-47-5 232-455-8	NA	Not classified*

For full text of H-statements: see SECTION 16.

\*The talc and titanium dioxide in this product are not in powder form and should not present a hazard in normal use.

\*\*Substance with a workplace exposure limit.

<sup>1</sup> Classified according to: • 29 CFR 1910.1200, 1915, 1916, 1917, Mass. Right-to-Know Law (ch. 40, M.G.L..O. 111F)  
• 1272/2008/EC, GHS, REACH  
• WHMIS 2015  
• Safe Work Australia

**SECTION 4: FIRST AID MEASURES****4.1. Description of first aid measures**

**Inhalation:** Not applicable

**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

**Protection of first-aiders:** No special precautions.

**4.2. Most important symptoms and effects, both acute and delayed**

Prolonged or repeated skin contact may cause mild skin irritation.

**4.3. Indication of any immediate medical attention and special treatment needed**

Treat symptoms.

**SECTION 5: FIREFIGHTING MEASURES****5.1. Extinguishing media**

**Suitable extinguishing media:** Carbon dioxide, dry chemical, foam, water fog

**Unsuitable extinguishing media:** Water jets

**5.2. Special hazards arising from the substance or mixture**

Thermal decomposition can form Hydrogen Chloride and other toxic fumes.

**5.3. Advice for firefighters**

Recommend Firefighters wear self-contained breathing apparatus to protect against hazardous decomposition products.

**Australian HAZCHEM Emergency Action Code:** 2 Z

**SECTION 6: ACCIDENTAL RELEASE MEASURES****6.1. Personal precautions, protective equipment and emergency procedures**

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

**6.2. Environmental Precautions**

Keep out of sewers, streams and waterways.

**6.3. Methods and material for containment and cleaning up**

Scoop up and transfer to a suitable container for disposal.

**6.4. Reference to other sections**

Refer to section 13 for disposal advice.

**SECTION 7: HANDLING AND STORAGE****7.1. Precautions for safe handling**

Due to toxic decomposition, avoid smoking when handling PTFE products. Wash hands to avoid transfer to tobacco products.

**7.2. Conditions for safe storage, including any incompatibilities**

Store in a cool, dry area.

**7.3. Specific end use(s)**

No special precautions.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1. Control parameters****Occupational exposure limit values**

Ingredients	OSHA PEL <sup>1</sup>		ACGIH TLV <sup>2</sup>		UK WEL <sup>3</sup>		AUSTRALIA ES <sup>4</sup>	
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Methanol	200	260	200	N/A	200	266	200	262
			STEL: 250		STEL: 250	333	STEL: 250	328
Talc (non-asbestiform)	20 mppcf	2 (NIOSH)	(resp.)	2	(resp.)	1	(resp.)	2.5
Fatty acids, tallow, Me esters, chlorinated	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Titanium dioxide	(total)	15	N/A	10	(total) (resp.)	10 4	N/A	10
White mineral oil (petroleum)	(oil mist)	5	(oil mist)	5	N/A	N/A	N/A	N/A

<sup>1</sup> United States Occupational Health & Safety Administration permissible exposure limits

<sup>2</sup> American Conference of Governmental Industrial Hygienists threshold limit values

<sup>3</sup> EH40 Workplace exposure limits, Health & Safety Executive

<sup>4</sup> Safe Work Australia, Workplace Exposure Standards for Airborne Contaminants

**Biological limit values**

Methanol:

Control parameter	Biological specimen	Sampling Time	Limit value	Source	Notes
Methanol	Urine	End of shift	15 mg/l	ACGIH	Background, Nonspecific

**Derived No Effect Level (DNEL) according to Regulation (EC) No 1907/2006:****Workers**

Substance	Route of exposure	Potential health effects	DNEL	
Methanol	Inhalation	Acute effects, local	260 mg/m <sup>3</sup>	
		Acute effects, systemic	260 mg/m <sup>3</sup>	
		Chronic effects, local	260 mg/m <sup>3</sup>	
		Chronic effects, systemic	260 mg/m <sup>3</sup>	
	Dermal	Acute effects, local	*	
		Acute effects, systemic	40 mg/kg/day	
Talc (non-asbestiform)	Inhalation	Chronic effects, local	3.6 mg/m <sup>3</sup> (GESTIS)	
		Chronic effects, systemic	2.16 mg/m <sup>3</sup> (GESTIS)	
		Dermal	Acute effects, local	*
			Acute effects, systemic	40 mg/kg/day
	Inhalation	Chronic effects, local	10 mg/m <sup>3</sup>	
		Chronic effects, systemic	160 mg/m <sup>3</sup> (GESTIS)	
Titanium dioxide	Inhalation	Chronic effects	10 mg/m <sup>3</sup>	
White mineral oil (petroleum)	Inhalation	Chronic effects	160 mg/m <sup>3</sup> (GESTIS)	

\*Hazard identified but no DNEL available

**Predicted No Effect Concentration (PNEC) according to Regulation (EC) No 1907/2006:**

Substance	Environmental protection target	PNEC
Methanol	Fresh water	154 mg/l
	Freshwater sediments	570.4 mg/l
	Marine water	15.4 mg/l
	Microorganisms in sewage treatment	100 mg/l
	Soil (agricultural)	23.5 mg/kg
Titanium dioxide	Fresh water	0.184 mg/l
	Marine water	0.0184 mg/l
	Water	0.193 mg/l
	Freshwater sediments	1000 mg/kg
	Marine sediments	100 mg/kg
	Microorganisms in sewage treatment	100 mg/l
	Soil (agricultural)	100 mg/kg

**8.2. Exposure controls****8.2.1. Engineering measures**

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

**8.2.2. Individual protection measures****Respiratory protection:** Not normally needed.**Protective gloves:** Chemical resistant gloves (e.g., neoprene)**Eye and face protection:** Safety glasses**Other:** None**8.2.3. Environmental exposure controls**

Refer to sections 6 and 12.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES****9.1. Information on basic physical and chemical properties**

<b>Physical state</b>	paste	<b>Odour</b>	slight petroleum odor
<b>Colour</b>	white	<b>Odour threshold</b>	not determined
<b>Initial boiling point</b>	not applicable	<b>Vapour pressure @ 20°C</b>	not determined
<b>Melting point</b>	not applicable	<b>% Aromatics by weight</b>	not determined
<b>% Volatile (by volume)</b>	negligible	<b>pH</b>	not applicable
<b>Flash point</b>	not determined	<b>Relative density</b>	1.387 kg/l
<b>Method</b>	–	<b>Weight per volume</b>	11.57 lbs/gal.
<b>Viscosity</b>	not determined	<b>Coefficient (water/oil)</b>	< 1
<b>Autoignition temperature</b>	not determined	<b>Vapour density (air=1)</b>	> 1
<b>Decomposition temperature</b>	not determined	<b>Rate of evaporation (ether=1)</b>	< 1
<b>Upper/lower flammability or explosive limits</b>	not determined	<b>Solubility in water</b>	insoluble
<b>Flammability (solid, gas)</b>	not determined	<b>Oxidising properties</b>	not determined
<b>Explosive properties</b>	not determined		

**9.2. Other information**

None

**SECTION 10: STABILITY AND REACTIVITY****10.1. Reactivity**

Refer to sections 10.3 and 10.5.

**10.2. Chemical stability**

Stable

**10.3. Possibility of hazardous reactions**

No dangerous reactions known under conditions of normal use.

**10.4. Conditions to avoid**

Extreme heat above 260°C (500°F).

**10.5. Incompatible materials**

Strong oxidizers like liquid Chlorine and concentrated Oxygen.

**10.6. Hazardous decomposition products**

Hydrogen Chloride and other toxic fumes and at temperatures above 260°C (500°F) perfluorocarbon resin fumes.

**SECTION 11: TOXICOLOGICAL INFORMATION****11.1. Information on toxicological effects****Primary route of exposure under normal use:** Skin and eye contact.**Acute toxicity -****Oral:**

Based on available data, the classification criteria are not met.

Substance	Test	Result
Methanol	LD50, rat	5628 mg/kg
Methanol	Human lethal dose	143 mg/kg

**Dermal:**

Based on available data, the classification criteria are not met.

Substance	Test	Result
Methanol	LDLo, monkey	393 mg/kg

**Inhalation:**

Based on available data, the classification criteria are not met.

Substance	Test	Result
Methanol	LCLo, monkey	1.3 mg/l
Methanol	LC50, mouse, 134 min.	79.43 mg/l

**Skin corrosion/irritation:**

Prolonged or repeated skin contact may cause mild skin irritation.

<b>Serious eye damage/irritation:</b>	May cause mild eye irritation.
<b>Respiratory or skin sensitisation:</b>	Not expected to cause sensitization.
<b>Germ cell mutagenicity:</b>	Methanol: based on available data, the classification criteria are not met. Talc, Ames test: negative.
<b>Carcinogenicity:</b>	The International Agency for Research on Cancer (IARC) has designated inhaled titanium dioxide as possibly carcinogenic to humans (group 2B). The titanium dioxide in this product does not separate from the mixture or in of itself become air-borne, therefore it does not present a hazard in normal use.
<b>Reproductive toxicity:</b>	Not expected to be a reproductive toxicant.
<b>STOT – single exposure:</b>	Methanol: causes damage to organs.
<b>STOT – repeated exposure:</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. The Talc in this product is not in powder form and should not present a hazard in normal use.
<b>Aspiration hazard:</b>	Based on available data, the classification criteria are not met.
<b>Other information:</b>	None known

## SECTION 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.

### 12.1. Toxicity

Talc: 24 h LC50 (fish) > 100 g/l.

### 12.2. Persistence and degradability

Talc, Titanium dioxide: inorganic substances. Fatty acids, tallow, Me esters, chlorinated, White mineral oil (petroleum): inherently biodegradable, not readily biodegradable. Methanol: expected to be readily biodegradable.

### 12.3. Bioaccumulative potential

Methanol: low potential for bioaccumulation (BCF < 100).

### 12.4. Mobility in soil

Paste. Insoluble in water. In determining environmental mobility, consider the product's physical and chemical properties (see Section 9).

### 12.5. Results of PBT and vPvB assessment

Not available

### 12.6. Other adverse effects

None known

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

Landfill sealed containers with a properly licensed facility. Check local, state and national/federal regulations and comply with the most stringent requirement. Unused product is not classified as a hazardous waste according to 2008/98/EC.

## SECTION 14: TRANSPORT INFORMATION

### 14.1. UN number

<b>ADG/ADR/RID/ADN/IMDG/ICAO:</b>	NOT APPLICABLE
<b>TDG:</b>	NOT APPLICABLE
<b>US DOT:</b>	NOT APPLICABLE

### 14.2. UN proper shipping name

<b>ADG/ADR/RID/ADN/IMDG/ICAO:</b>	NON-HAZARDOUS, NON REGULATED
<b>TDG:</b>	NON-HAZARDOUS, NON REGULATED
<b>US DOT:</b>	NON-HAZARDOUS, NON REGULATED

### 14.3. Transport hazard class(es)

<b>ADG/ADR/RID/ADN/IMDG/ICAO:</b>	NOT APPLICABLE
<b>TDG:</b>	NOT APPLICABLE
<b>US DOT:</b>	NOT APPLICABLE

### 14.4. Packing group

<b>ADG/ADR/RID/ADN/IMDG/ICAO:</b>	NOT APPLICABLE
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**TDG:** NOT APPLICABLE

**US DOT:** NOT APPLICABLE

**14.5. Environmental hazards**

NOT APPLICABLE

**14.6. Special precautions for user**

NOT APPLICABLE

**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

NOT APPLICABLE

**14.8. Other information**

NOT APPLICABLE

**SECTION 15: REGULATORY INFORMATION**

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

**15.1.1. EU regulations**

**Authorisations under Title VII:** Not applicable

**Restrictions under Title VIII:** None

**Other EU regulations:** None

**15.1.2. National regulations**

**US EPA SARA TITLE III**

**312 Hazards:**

None

**313 Chemicals:**

None

**Other national regulations:** None

**15.2. Chemical safety assessment**

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

**SECTION 16: OTHER INFORMATION**

**Abbreviations and acronyms:** ADG: Australian Dangerous Goods Code  
 ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
 ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road  
 ATE: Acute Toxicity Estimate  
 BCF: Bioconcentration Factor  
 cATpE: Converted Acute Toxicity point Estimate  
 CLP: Classification Labelling Packaging Regulation (1272/2008/EC)  
 ES: Exposure Standard  
 GHS: Globally Harmonized System  
 ICAO: International Civil Aviation Organization  
 IMDG: International Maritime Dangerous Goods  
 LC50: Lethal Concentration to 50 % of a test population  
 LD50: Lethal Dose to 50% of a test population  
 LOEL: Lowest Observed Effect Level  
 N/A: Not Applicable  
 NA: Not Available  
 NOEC: No Observed Effect Concentration  
 NOEL: No Observed Effect Level  
 OECD: Organization for Economic Co-operation and Development  
 PBT: Persistent, Bioaccumulative and Toxic substance  
 (Q)SAR: Quantitative Structure-Activity Relationship  
 REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (1907/2006/EC)  
 REL: Recommended Exposure Limit  
 RID: Regulations concerning the International Carriage of Dangerous Goods by Rail  
 SDS: Safety Data Sheet  
 STEL: Short Term Exposure Limit  
 STOT RE: Specific Target Organ Toxicity, Repeated Exposure  
 STOT SE: Specific Target Organ Toxicity, Single Exposure  
 TDG: Transportation of Dangerous Goods (Canada)  
 TWA: Time Weighted Average  
 US DOT: United States Department of Transportation  
 vPvB: very Persistent and very Bioaccumulative substance  
 WEL: Workplace Exposure Limit  
 WHMIS: Workplace Hazardous Materials Information System  
 Other abbreviations and acronyms can be looked up at [www.wikipedia.org](http://www.wikipedia.org).

**Key literature references and sources for data:** Commission des normes, de l'équité, de la santé et de la sécurité du travail (CNESST)  
 Chemical Classification and Information Database (CCID)  
 European Chemicals Agency (ECHA) - Information on Chemicals  
 Hazardous Chemical Information System (HCIS)  
 National Institute of Technology and Evaluation (NITE)  
 Swedish Chemicals Agency (KEMI)  
 U.S. National Library of Medicine Toxicology Data Network (TOXNET)

**Procedure used to derive the classification for mixtures according to Regulation (EC) No 1272/2008 [CLP] / GHS:**

Classification	Classification procedure
Not applicable	Not applicable

**Relevant H-statements:** H225: Highly flammable liquid and vapour.  
 H301/311/331: Toxic if swallowed, in contact with skin or if inhaled.  
 H319: Causes serious eye irritation.  
 H370: Causes damage to organs.

**Hazard pictogram names:** None

**Further information:** None

**Date of last revision:** 12 August 2020

**Changes to the SDS in this revision:** Sections 1.3, 2.1.1, 2.2, 3.2, 4.1, 5.3, 8.1, 11, 12.1.

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 suitability of the product for the user's particular purpose. The user must make their own determination as to suitability.