



## SAFETY DATA SHEET

in accordance with REACH (1907/2006/EC, as amended by 453/2010/EC)

Revision date: 14 December 2012 Initial date of issue: 14 December 2012 SDS No. 1141-1

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

#### 1.1. Product identifier

1725A

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

1725A is a food grade mechanical packing complying with the USDA requirements of minimal food contact and the FDA requirements under Title 21 CFR, 178.3297& 177.2800, lubricants for incidental food contact and 177.1550, per fluorocarbon resins. This packing is designed for service in food processing equipment. It is made of expanded PTFE with a talc and silicone coating for the use in sealing pumps, agitators and mixers.

#### 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)  
E-mail (SDS questions): ProductMSDSs@chesterton.com  
E-mail: customer.service@chesterton.com  
SDS requests: www.chesterton.com

##### Supplier:

#### 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)

### SECTION 2: HAZARDS IDENTIFICATION

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

##### 2.1.1. Classification according to Regulation (EC) No 1272/2008 [CLP] / 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.

##### 2.1.2. Classification according to Directive 1999/45/EC

This product does not meet the criteria for classification in any danger category according to Directive 1999/45/EC on classification, packaging and labelling of dangerous preparations.

##### 2.1.3. Canadian WHMIS classification

Not controlled

##### 2.1.4. Australian classification

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

##### 2.1.5. Additional information

This product is not classified as a "hazardous material" in normal use as defined in: 29 CFR 1910.1200, 1915, 1916, 1917, Massachusetts Right-To-Know Law, Chapter 40, Acts and Resolves of 1983 (M.G.L. O. 111F).

#### 2.2. Label elements

##### Labelling according to Regulation (EC) No 1272/2008 [CLP] / GHS

Hazard pictograms: N/A  
Signal word: None  
Hazard statements: None  
Precautionary statements: None  
Supplemental information: None

**2.3. Other hazards**

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.

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

Hazardous Ingredients <sup>1</sup>	% Wt.	CAS No./ EC No.	REACH Reg. No.	Classification (acc. to 1272/2008/EC)	Classification (67/548/EEC)
None					

Indications of danger acc. to 67/548/EEC: Not applicable  
For full text of H-statements and R-phrases: see SECTION 16.

<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), California Proposition 65  
\* 1272/2008/EC, 67/548/EEC, 99/45/EC, REACH  
\* Controlled Products Regulations  
\* Safe Work Australia [NOHSC: 1008 (2004)]

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

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

**Skin contact:** not applicable

**Eye contact:** not applicable

**Ingestion:** not applicable

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

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. None

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

Treat symptoms.

**SECTION 5: FIRE-FIGHTING MEASURES****5.1. Extinguishing media**

Use extinguisher appropriate to the surrounding fire.

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

Toxic fumes may be emitted at temperatures above 260°C (500°F). Product will burn in an atmosphere of > 95% oxygen, when an ignition source is present.

**5.3. Advice for firefighters**

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

**Flammability Classification:** –

**HAZCHEM Emergency Action Code:** not applicable

**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**

No special requirements.

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

No special steps required. Nontoxic.

**6.4. Reference to other sections**

Refer to section 13 for disposal advice.

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

Do not smoke when handling PTFE products; wash hands after handling to avoid transfer to tobacco products. Not recommended for use in potable or drinking water service.

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

Store in cool, dry area.

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

No special precautions.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1. Control parameters**

Hazardous Ingredients	OSHA PEL		ACGIH TLV		UK WEL		AUSTRALIA ES	
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
None								

**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 required.

**Protective gloves:** Not normally needed.

**Eye and face protection:** Not normally needed.

**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>	solid	<b>Odour</b>	None
<b>Colour</b>	white	<b>Odour threshold</b>	not determined
<b>Initial boiling point</b>	not applicable	<b>Vapour pressure @ 20°C</b>	not applicable
<b>Melting point</b>	not applicable	<b>% Aromatics by weight</b>	not applicable
<b>% Volatile (by volume)</b>	not applicable	<b>pH</b>	not applicable
<b>Flash point</b>	not applicable	<b>Relative density</b>	not applicable
<b>Method</b>	None	<b>Weight per volume</b>	not applicable
<b>Viscosity</b>	not applicable	<b>Coefficient (water/oil)</b>	not applicable
<b>Autoignition temperature</b>	not applicable	<b>Vapour density (air=1)</b>	not applicable
<b>Decomposition temperature</b>	no data available	<b>Rate of evaporation (ether=1)</b>	not applicable
<b>Upper/lower flammability or explosive limits</b>	not applicable	<b>Solubility in water</b>	Insoluble
<b>Flammability (solid, gas)</b>	not applicable	<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**

Fluorine, Chlorine Trifluoride and related compounds and molten alkali metals.

**10.6. Hazardous decomposition products**

Carbon Monoxide, Carbon Dioxide, trace amounts of Hydrogen fluoride, Perfluorocarbon olefins, and other toxic fumes may be evolved above 260°C (500°F).

**SECTION 11: TOXICOLOGICAL INFORMATION****11.1. Information on toxicological effects**

**Primary route of exposure under normal use:** Inhalation (PTFE decomposition fumes) and skin 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:** None

**Carcinogenicity:** As per 29 CFR 1910.1200 (Hazard Communication), this product contains no carcinogens as listed by the National Toxicology Program (NTP), the International Agency for Research on Cancer (IARC), the Occupational Safety and Health Administration (OSHA) or Regulation (EC) No 1272/2008.

**Other information:** 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**

PTFE: Nontoxic.

**12.2. Persistence and degradability**

PTFE: Material is chemically unreactive and nonbiodegradable.

**12.3. Bioaccumulative potential**

not determined

**12.4. Mobility in soil**

Solid. Insoluble in water.

**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**

Unused product is not a regulated waste. Not classified as hazardous according to 91/689/EEC. Check local, state and national/federal regulations and comply with the most stringent requirement.

**European List of Wastes code:** 07 02 99

**SECTION 14: TRANSPORT INFORMATION****14.1. UN number**

**ADR/RID/ADN/IMDG/ICAO:** NOT APPLICABLE

<b>TDG:</b>	NOT APPLICABLE
<b>US DOT:</b>	NOT APPLICABLE
<b>14.2. UN proper shipping name</b>	
<b>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
<b>14.3. Transport hazard class(es)</b>	
<b>ADR/RID/ADN/IMDG/ICAO:</b>	NOT APPLICABLE
<b>TDG:</b>	NOT APPLICABLE
<b>US DOT:</b>	NOT APPLICABLE
<b>14.4. Packing group</b>	
<b>ADR/RID/ADN/IMDG/ICAO:</b>	NOT APPLICABLE
<b>TDG:</b>	NOT APPLICABLE
<b>US DOT:</b>	NOT APPLICABLE
<b>14.5. Environmental hazards</b>	
	NOT APPLICABLE
<b>14.6. Special precautions for user</b>	
	NOT APPLICABLE
<b>14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	
	NOT APPLICABLE
<b>14.8. Other information</b>	
	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**

<b>US EPA SARA TITLE III</b>		<b>Hazardous Materials Identification System (HMIS)</b>								
<b>312 Hazards:</b>	<b>313 Chemicals:</b>	4 = Severe Hazard								
None	None	3 = Serious Hazard								
		2 = Moderate Hazard								
		1 = Slight Hazard								
		0 = Minimal Hazard								
		* = See Section 8								
		<table border="1"> <tr> <td><b>HEALTH</b></td> <td><b>0</b></td> </tr> <tr> <td><b>FLAMMABILITY</b></td> <td><b>0</b></td> </tr> <tr> <td><b>REACTIVITY</b></td> <td><b>1</b></td> </tr> <tr> <td><b>Personal Protection</b></td> <td><b>*</b></td> </tr> </table>	<b>HEALTH</b>	<b>0</b>	<b>FLAMMABILITY</b>	<b>0</b>	<b>REACTIVITY</b>	<b>1</b>	<b>Personal Protection</b>	<b>*</b>
<b>HEALTH</b>	<b>0</b>									
<b>FLAMMABILITY</b>	<b>0</b>									
<b>REACTIVITY</b>	<b>1</b>									
<b>Personal Protection</b>	<b>*</b>									

<b>JAPAN PRTR</b>	<b>Class I Chemicals:</b>	<b>Class II Chemicals:</b>
	None	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:** ACGIH: American Conference of Governmental Industrial Hygienists  
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  
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  
NOEL: No Observed Effect Level  
OSHA: Occupational Health & Safety Administration  
PBT: Persistent, Bioaccumulative and Toxic substance  
PEL: Permissible Exposure Limit  
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (1907/2006/EC)  
RID: Regulations concerning the International Carriage of Dangerous Goods by Rail  
SDS: Safety Data Sheet  
STEL: Short Term Exposure Limit  
STOT: Specific Target Organ Toxicity  
TDG: Transportation of Dangerous Goods (Canada)  
TLV: Threshold Limit Value  
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 de la santé et de la sécurité du travail (CSST)  
European chemical Substances Information System (ESIS)  
European Chemicals Agency (ECHA) - Information on Chemicals  
Hazardous Substances Data Bank (HSDB)  
Hazardous Substances Information System (HSIS)  
Swedish Chemicals Agency (KEMI)

**Relevant H-statements:** None

**Relevant R-phrases:** None

**Changes to the SDS in this revision:** Sections 1-16, updated to new format.

**Further information:** None

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.