



## SAFETY DATA SHEET

in accordance with 1907/2006/EC (REACH, as amended by 2015/830/EU) and 29 CFR 1910.1200

**Revision date:** 20 June 2016

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

**SDS No.** 173GB-12

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

#### 1.1. Product identifier

715 Spraflex® Gold (Bulk)

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

Petroleum base lubricant for chain drives, open gears, and wire ropes.

#### 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): [ProductMSDSs@chesterton.com](mailto:ProductMSDSs@chesterton.com)  
E-mail: [customer.service@chesterton.com](mailto:customer.service@chesterton.com)  
EU: Chesterton International GmbH, Am Lenzenfleck 23,  
D85737 Ismaning, Germany – Tel. +49-89-996-5460

##### 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] / 29 CFR 1910.1200 / WHMIS 2015 / 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. Classification according to WHMIS 1988

D2B: Toxic materials causing other effects

##### 2.1.3. Australian statement of hazardous nature

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

##### 2.1.4. Additional information

None

#### 2.2. Label elements

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

**Hazard pictograms:** N/A

**Signal word:** None

**Hazard statements:** None

**Precautionary statements:** None

**Supplemental information:** EUH210 Safety data sheet available on request.

#### 2.3. Other hazards

None known

**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
Barium bis(dinonylnaphthalenesulphonate)	1-5	25619-56-1 247-132-7	NA	Acute Tox. 4, H302/332 Skin Irrit. 2, H315

Other ingredients:

White mineral oil (petroleum)	1-5	8042-47-5 232-455-8	NA	Not classified
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For full text of H-statements: 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, REACH  
\* WHMIS 2015  
\* Safe Work Australia [NOHSC: 1008 (2004)]

**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:** Do not induce vomiting. Contact physician immediately.**4.2. Most important symptoms and effects, both acute and delayed**

May cause mild eye irritation. Prolonged or repeated skin contact may defat the skin and cause 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 or water fog**Unsuitable extinguishing media:** High volume water jet**5.2. Special hazards arising from the substance or mixture**

None

**5.3. Advice for firefighters**

Cool exposed containers with water. Recommend Firefighters wear self-contained breathing apparatus.

**Flammability Classification:** –**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**

Contain spill to a small area. Pick up with absorbent material (sand, sawdust, clay, etc.) and place in 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**

Utilize exposure controls and personal protection as specified in Section 8. Remove contaminated clothing. Launder contaminated clothing before reuse. Wash thoroughly after handling.

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

Store in a cool, dry area. Keep container closed when not in use.

**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>
Barium bis(dinonylnaphthalenesulphonate)	–	–	–	–	–	–	–	–
White mineral oil (petroleum)	(oil mist)	5	(oil mist)	5	–	–	(oil mist)	5

<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> Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003].

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

No special requirements. If exposure limits are exceeded, provide adequate ventilation.

**8.2.2. Individual protection measures**

**Respiratory protection:** Not normally needed. If exposure limits are exceeded, use an approved organic vapor respirator for mists (e.g., EN filter type A-P2).

**Protective gloves:** Chemical resistant gloves (e.g., nitrile rubber)

**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>	high viscosity liquid	<b>Odour</b>	solvent odor
<b>Colour</b>	amber	<b>Odour threshold</b>	not determined
<b>Initial boiling point</b>	not determined	<b>Vapour pressure @ 20°C</b>	not determined
<b>Melting point</b>	not determined	<b>% Aromatics by weight</b>	not determined
<b>% Volatile (by volume)</b>	37%	<b>pH</b>	not applicable
<b>Flash point</b>	138°C (280°F)	<b>Relative density</b>	0.87 kg/l
<b>Method</b>	ASTM D93	<b>Weight per volume</b>	7.2 lbs/gal.
<b>Viscosity</b>	30,000 cps @ 25°C	<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 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**

Open flames and red hot surfaces.

**10.5. Incompatible materials**

Strong oxidizers like liquid Chlorine and concentrated Oxygen.

**10.6. Hazardous decomposition products**Chlorides, SO<sub>x</sub>, Oxides of Carbon, Nitrogen, Sulfur and Barium and other toxic fumes.**SECTION 11: TOXICOLOGICAL INFORMATION****11.1. Information on toxicological effects****Primary route of exposure under normal use:** Skin and eye contact. Personnel with pre-existing dermatitis are generally aggravated by exposure.**Acute toxicity -****Oral:**

Based on available data on components, the classification criteria are not met. ATE-mix = 97222 mg/kg.

Substance	Test	Result
Barium bis(dinonylnaphthalenesulphonate)	LD50 oral, rat	1750 mg/kg (read-across)
White mineral oil (petroleum)	LD50, rat	> 5000 mg/kg

**Dermal:**

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

Substance	Test	Result
Barium bis(dinonylnaphthalenesulphonate)	LD50, rabbit	> 10000 (read-across)
White mineral oil (petroleum)	LD50, rabbit	> 2000 mg/kg

**Inhalation:**

ATE-mix = 583 mg/l (vapor).

Substance	Test	Result
Barium bis(dinonylnaphthalenesulphonate)	LC50, rat, 4 h	> 10 mg/l (read-across)
White mineral oil (petroleum)	LC50, rat, 4 h	> 5 mg/l (mist)

**Skin corrosion/irritation:**

Prolonged or repeated skin contact may defat the skin and cause skin irritation.

**Serious eye damage/irritation:**

May cause mild eye irritation.

Substance	Test	Result
Barium bis(dinonylnaphthalenesulphonate)	Eye irritation	Not irritating (read-across)

**Respiratory or skin sensitisation:**

Not expected to cause sensitization.

**Germ cell mutagenicity:**

Barium bis(dinonylnaphthalenesulphonate): In vitro test, bacteria v-v negative, based on data from similar materials. White mineral oil (petroleum): based on available data, the classification criteria are not met.

**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.

<b>Reproductive toxicity:</b>	Barium bis(dinonylnaphthalenesulphonate): no known significant effects or critical hazards. White mineral oil (petroleum): based on available data, the classification criteria are not met.
<b>STOT-single exposure:</b>	White mineral oil (petroleum): based on available data, the classification criteria are not met.
<b>STOT-repeated exposure:</b>	White mineral oil (petroleum): based on available data, the classification criteria are not met.
<b>Aspiration hazard:</b>	Not expected to be an aspiration toxicant based on viscosity.
<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**

Semi-Synthetic Hydrocarbon Lubricant Base: 48 h EC50 (for daphnia) and 96 h LC50 (fish) > 1000 mg/l, based on data from similar materials.

**12.2. Persistence and degradability**

Semi-Synthetic Hydrocarbon Lubricant Base: not readily biodegradable.

**12.3. Bioaccumulative potential**

Semi-Synthetic Hydrocarbon Lubricant Base: not expected to bioaccumulate. White mineral oil (petroleum): Octanol/water partition coefficient (log Kow) > 6.

**12.4. Mobility in soil**

Liquid. 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**

Material can be stabilized/solidified or incinerated for disposal. Treatment standards for Barium may need to be met prior to land disposal. Check local, state and national/federal regulations and comply with the most stringent requirement. This product is classified as a hazardous waste according to 2008/98/EC.

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

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

**14.4. Packing group**

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

<b>312 Hazards:</b>	<b>313 Chemicals:</b>		
Immediate	Barium Compound	25619-56-1	1-5%

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:** 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  
 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)  
 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)  
 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)  
 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 Substances Information System (HSIS)  
 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:** H302/332: Harmful if swallowed or if inhaled.  
H315: Causes skin irritation.

**Hazard pictogram names:** Not applicable

**Changes to the SDS in this revision:** Sections 2.1, 2.2, 2.3, 3, 4.2, 11, 12.1, 15.1.2, 16.

**Date of last revision:** 20 June 2016

**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.