

## SAFETY DATA SHEET

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

**Revision date:** 24 September 2020      **Initial date of issue:** 6 July 2007      **SDS No.** 173B-21b

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

**1.1. Product identifier**

715 Spraflex® (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  
E-mail (SDS questions): ProductMSDSs@chesterton.com  
E-mail: 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)

### 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**

Flam. Liq. 3, H226  
STOT SE 3, H336  
Skin Irrit. 2, H315

**2.1.2. Australian statement of hazardous nature**

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 / GHS**

**Hazard pictograms:**



**Signal word:**

Warning

**Hazard statements:**

H226	Flammable liquid and vapour.
H336	May cause drowsiness or dizziness.
H315	Causes skin irritation.

<b>Precautionary statements:</b>	P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
	P261	Avoid breathing vapours/spray.
	P280A	Wear protective gloves.
	P302/352	IF ON SKIN: Wash with plenty of soap and water.
	P362/364	Take off contaminated clothing and wash it before reuse.
	P312	Call a POISON CENTER or doctor/physician if you feel unwell.
	P370/378	In case of fire: Use CO2, dry chemical, foam or water spray to extinguish.
	P403/233	Store in a well-ventilated place. Keep container tightly closed.

**Supplemental information:** None

### 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
Distillates (petroleum), hydrotreated light	15 < 25	64742-47-8 265-149-8	NA	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin Irrit. 2, H315 STOT SE 3, H336 Aquatic Chronic 3, H412
m-Xylene	1-5	108-38-3 203-576-3	NA	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Eye Irrit. 2, H319 STOT SE 3, H335 Acute Tox. 4, H332, H312 Skin Irrit. 2, H315

Other ingredients:

Distillates (petroleum), hydrotreated naphthenic*	65-75	64742-52-5/ 265-155-0 64742-53-6/ 265-156-6	NA	Not classified
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For full text of H-statements: see SECTION 16.

\*Contains less than 3 % DMSO extract as measured by IP 346.

<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

<b>Inhalation:</b>	Remove to fresh air. If not breathing, administer artificial respiration. Contact physician immediately.
<b>Skin contact:</b>	Wash skin with soap and water. Take off contaminated clothing and wash it before reuse. Contact physician if irritation persists.
<b>Eye contact:</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 10 minutes. Contact physician if irritation persists.
<b>Ingestion:</b>	Do not induce vomiting. Contact physician immediately.

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

Causes skin irritation. Direct eye contact will cause eye irritation. Excessive inhalation of vapors will irritate the eyes and respiratory tract and cause dizziness, headache and other central nervous system effects.

### 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 spray

**Unsuitable extinguishing media:** High volume water jet

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

Water may cause frothing.

**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**

Evacuate area. Provide adequate ventilation. Utilize exposure controls and personal protection as specified in Section 8. Keep away from sources of ignition - No smoking. If removal of ignition sources is not possible, then flush material away with water.

**6.2. Environmental Precautions**

Contain spill to a small area. Keep out of sewers, streams and waterways.

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

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**

Do not breathe vapour. Utilize exposure controls and personal protection as specified in Section 8. Vapors are heavier than air and will collect in low areas. Wash before eating, drinking or smoking. Contaminated leather including shoes cannot be decontaminated and should be discarded. Ground and bond product transfer.

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

Store in cool, dry area in closed containers.

**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>
Distillates (petroleum), hydrotreated light	500	–	212*	1200*	–	–	–	–
m-Xylene	100	435	100 STEL: 150	434	50 STEL: 100	220 441	80 STEL: 150	350 655
Oil mist, mineral	–	5	(inhal)	5	–	–	–	5

\*Based on the procedure described in appendix H, "Reciprocal calculation method for Certain Refined Hydrocarbon Solvent Vapor Mixtures" of the ACGIH TLVs® and BEIs®.

<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**

Use only in well-ventilated areas. If product is heated, use adequate ventilation.

**8.2.2. Individual protection measures**

**Respiratory protection:** Not normally needed. If exposure limits are exceeded, use approved organic vapor respirator (e.g., EN filter type A/P).

**Protective gloves:** Chemical resistant gloves (e.g. Viton\*, neoprene, nitrile). \*DuPont's registered trademark.

**Eye and face protection:** Safety glasses

**Other:** Impervious clothing as necessary for repetitive, prolonged skin contact.

**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>	strong petroleum odor
<b>Colour</b>	black	<b>Odour threshold</b>	not determined
<b>Initial boiling point</b>	139°C (282°F)	<b>Vapour pressure @ 20°C</b>	not determined
<b>Melting point</b>	not determined	<b>% Aromatics by weight</b>	< 6%
<b>% Volatile (by volume)</b>	35%	<b>pH</b>	not applicable
<b>Flash point</b>	41°C (105°F)	<b>Relative density</b>	0,917 kg/l
<b>Method</b>	PM Closed Cup	<b>Weight per volume</b>	7,63 lbs/gal.
<b>Viscosity</b>	130 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**

Kinematic viscosity at 40°C ≥ 57,87 cSt (calculated).

**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, heat, sparks and red hot surfaces.

**10.5. Incompatible materials**

Strong oxidizers like liquid Chlorine and concentrated Oxygen.

**10.6. Hazardous decomposition products**

Carbon Monoxide, aldehydes, Hydrogen Sulfide and other toxic fumes.

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

**Primary route of exposure under normal use:** Inhalation, skin and eye contact. Personnel with dermatitis are generally aggravated by exposure.

**Acute toxicity -**

**Oral:** Based on available data on components, the classification criteria are not met. ATE-mix > 5000 mg/kg.

Substance	Test	Result
Distillates (petroleum), hydrotreated light	LD50, rat	> 5000 mg/kg
m-Xylene	LD50, rat	5000 mg/kg
Distillates (petroleum), hydrotreated naphthenic	LD50, rat	> 5000 mg/kg

**Dermal:** Based on available data on components, the classification criteria are not met. ATE-mix > 22.044 mg/kg

Substance	Test	Result
Distillates (petroleum), hydrotreated light	LD50, rabbit	> 2000 mg/kg
m-Xylene	LD50, rabbit	> 4200 mg/kg
Distillates (petroleum), hydrotreated naphthenic	LD50, rabbit	> 2000 mg/kg

**Inhalation:** ATE-mix = 220,4 mg/l (vapor). Excessive inhalation of vapors will irritate the eyes and respiratory tract and cause dizziness, headache and other central nervous system effects.

Substance	Test	Result
Distillates (petroleum), hydrotreated light	LC50, rat, 4 h	> 5,28 mg/l (vapor)
m-Xylene	LC50, rat, 4 h	27,12 mg/l (vapor)

**Skin corrosion/irritation:** Causes skin irritation.

Substance	Test	Result
Distillates (petroleum), hydrotreated light	Skin irritation, rabbit	Not irritating / Slightly irritating / Moderate irritation

**Serious eye damage/irritation:** Direct eye contact will cause eye irritation.

Substance	Test	Result
Distillates (petroleum), hydrotreated light	Eye irritation, rabbit	Not irritating / Slightly irritating

**Respiratory or skin sensitisation:** Based on available data on components, the classification criteria are not met.

Substance	Test	Result
Distillates (petroleum), hydrotreated light	Skin sensitization, guinea pig	Not sensitizing
Xylene	Skin sensitization, mouse	Not sensitizing

**Germ cell mutagenicity:** Distillates (petroleum), hydrotreated light, m-Xylene: 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.

**Reproductive toxicity:** Distillates (petroleum), hydrotreated light, m-Xylene: based on available data, the classification criteria are not met.

**STOT-single exposure:** May cause drowsiness or dizziness.

**STOT-repeated exposure:** Distillates (petroleum), hydrotreated light, m-Xylene: based on available data, the classification criteria are not met.

**Aspiration hazard:** Based on available data, the classification criteria are not met.

**Other information:** None

**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**

Oil products, improperly released to the environment, can cause ground and water pollution.

**12.2. Persistence and degradability**

The solvents (m-Xylene, Distillates [Petroleum], Hydrotreated Light) will degrade rapidly in air. m-Xylene: readily biodegradable. Distillates (petroleum), hydrotreated light, Distillates (petroleum), hydrotreated naphthenic: inherently biodegradable.

**12.3. Bioaccumulative potential**

m-Xylene, low potential for bioaccumulation. Distillates (petroleum), hydrotreated light: Octanol/water partition coefficient (log Kow) = 2,1 – 5 (estimated). Distillates (petroleum), hydrotreated naphthenic: some components may bioaccumulate in fish and aquatic organisms.

**12.4. Mobility in soil**

Liquid. Insoluble in water. In determining environmental mobility, consider the product's physical and chemical properties (see Section 9). The solvents [m-Xylene, Distillates (Petroleum), Hydrotreated Light] will rapidly evaporate to the air if released into the environment. m-Xylene: expected to have moderate mobility in soil.

**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**

Incinerate absorbed material with a properly licensed facility. Keep out of sewers, streams and waterways. Unused or spent product is amenable to incineration or fuels blending. 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>	UN1993
<b>TDG:</b>	UN1993
<b>US DOT:</b>	UN1993*

**14.2. UN proper shipping name**

<b>ADR/RID/ADN/IMDG/ICAO:</b>	FLAMMABLE LIQUID, N.O.S. (CONTAINS NAPHTHA)
<b>TDG:</b>	FLAMMABLE LIQUID, N.O.S. (CONTAINS NAPHTHA)
<b>US DOT:</b>	FLAMMABLE LIQUID, N.O.S. (CONTAINS NAPHTHA)*

**14.3. Transport hazard class(es)**

<b>ADR/RID/ADN/IMDG/ICAO:</b>	3
<b>TDG:</b>	3
<b>US DOT:</b>	3

**14.4. Packing group**

<b>ADR/RID/ADN/IMDG/ICAO:</b>	III
<b>TDG:</b>	III
<b>US DOT:</b>	III

**14.5. Environmental hazards**

NO ENVIRONMENTAL HAZARDS

**14.6. Special precautions for user**

NO SPECIAL PRECAUTIONS FOR USER

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

NOT APPLICABLE

**14.8. Other information**

**US DOT:** ERG NO.128,

\*May be reclassified as a combustible liquid and as non hazardous in non-bulk packages (maximum capacity of 119 gallons(450 L) or less as a receptacle) (49CFR 173.150 (f),(1),(2))

**IMDG:** EmS. F-E, S-E

**ADR:** Classification code F1 , Tunnel restriction code (D/E)

**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:**Immediate  
Fire**313 Chemicals:**

m-Xylene 108-38-3 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
Flam. Liq. 3, H226	On basis of test data
STOT SE 3, H336	Bridging principle "Dilution"
Skin Irrit. 2, H315	Calculation method

**Relevant H-statements:** H226: Flammable liquid and vapour.  
H304: May be fatal if swallowed and enters airways.  
H312: Harmful in contact with skin.  
H315: Causes skin irritation.  
H319: Causes serious eye irritation.  
H332: Harmful if inhaled.  
H335: May cause respiratory irritation.  
H336: May cause drowsiness or dizziness.  
H412: Harmful to aquatic life with long lasting effects.

**Hazard pictogram names:** Flame, exclamation mark

**Changes to the SDS in this revision:** Section 2.1.

**Date of last revision:** 24 September 2020

**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.