SAFETY DATA SHEET

in accordance with 2020/878/EU (REACH, Annex II) 29 CFR 1910.1200, WHMIS 2015 and Safe Work Australia

Revision date: 5 December 2023 **Date of previous issue:** 22 August 2023 **SDS No.** 173B-22

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

1.1. Product identifier

715 Spraflex® (Bulk)

Unique Formula Identifier (UFI): 58Q2-VW2M-QV0G-TVFW

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

Relevant identified uses: Petroleum base lubricant for chain drives, open gears and wire ropes.

Uses advised against: No information available

Reason why uses advised against: Not applicable

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): ProductSDSs@chesterton.com
E-mail: customer.service@chesterton.com

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

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)
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

Flammable liquid, Category 3, H226
Skin irritation, Category 2, H315
Specific target organ toxicity – single exposure, Category 3, H336

2.1.2. 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:

Signal word: Warning

Hazard statements:

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

Precautionary statements:	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 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[1]	% Wt.	CAS No./ EC No.	REACH Reg. No.	CLP/GHS Classification	SCL, M-factor, ATE
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	ATE (oral): > 5,000 mg/kg ATE (dermal): > 2,000 ATE (inhalation, mist): > 5 mg/l
m-Xylene	1-5	108-38-3 203-576-3	NA	Flam. Liq. 3, H226 Acute Tox. 4, H332, H312 Asp. Tox. 1, H304 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	ATE (oral): 4,320 mg/kg ATE (dermal): 1,100 mg/kg ATE (inhalation, vapour): 11 mg/l
Other ingredients:					
Distillates (petroleum), hydrotreated naphthenic*	65-75	64742-52-5/ 265-155-0 64742-53-6/ 265-156-6	NA	Not classified	ATE (oral): > 5,000 mg/kg ATE (dermal): > 2,000 ATE (inhalation, mist): > 5 mg/l

For full text of H-statements: see SECTION 16.
*Contains less than 3 % DMSO extract as measured by IP 346.

[1] 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: Remove to fresh air. If not breathing, administer artificial respiration. Contact physician immediately.

Skin contact: Wash skin with soap and water. Take off contaminated clothing and wash it before reuse. Contact physician if irritation persists.

Eye contact: 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.

Ingestion: Do not induce vomiting. Contact physician immediately.

Protection of first-aiders: No action shall be taken involving any personal risk or without suitable training. Avoid contact with the product while providing aid to the victim. Avoid breathing vapours. See section 8.2.2 for recommendations on personal protective equipment.

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

Hazardous combustion products: Carbon Monoxide, aldehydes, Hydrogen Sulfide and other toxic fumes.

Other hazards: Water may cause frothing.

5.3. Advice for firefighters

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

Australian 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

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

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[1]		ACGIH TLV[2]		UK WEL[3]		AUSTRALIA ES[4]	
	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³	ppm	mg/m³
Distillates (petroleum), hydrotreated light	500	N/A	212*	1200*	N/A	N/A	N/A	N/A
m-Xylene	100	435	100 STEL: 150	434	50 STEL: 100	220 441	80 STEL: 150	350 655
Oil mist, mineral	N/A	5	(inhal.)	5	N/A	N/A	N/A	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®.
[1] United States Occupational Health & Safety Administration permissible exposure limits
[2] American Conference of Governmental Industrial Hygienists threshold limit values
[3] EH40 Workplace exposure limits, Health & Safety Executive
[4] Safe Work Australia, Workplace Exposure Standards for Airborne Contaminants

Biological limit values

Xylene :

Control parameter	Biological specimen	Sampling Time	Limit value	Source	Notes
Methylhippuric acids	Urine	End of shift	1.5 g/g creatinine	ACGIH	–

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

Workers

Substance	Route of exposure	Potential health effects	DNEL
m-Xylene	Inhalation	Chronic effects, local	221 mg/m³ (GESTIS)
	Inhalation	Chronic effects, systemic	221 mg/m³ (GESTIS)
Distillates (petroleum), hydrotreated naphthenic	Inhalation	Chronic effects, systemic	5.58 mg/m³ (GESTIS)
	Inhalation	Chronic effects, local	2.73 mg/m³ (GESTIS)

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

Not available

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

Physical state	high viscosity liquid	**pH**	not applicable
Colour	black	**Kinematic viscosity**	≥ 57.87 cSt @ 40°C (calculated)
Odour	strong petroleum odor	**Solubility in water**	insoluble
Odour threshold	not determined	**Partition coefficient n-octanol/water (log value)**	not applicable
Boiling point or range	139°C (282°F)	**Vapour pressure @ 20°C**	not determined
Melting point/freezing point	not determined	**Density and/or relative density**	0.917 kg/l
% Volatile (by volume)	35%	**Weight per volume**	7.63 lbs/gal.
Flammability	ignitable	**Vapour density (air=1)**	> 1
Lower/upper flammability or explosion limits	not determined	**Rate of evaporation (ether=1)**	< 1
Flash point	41°C (105°F)	**% Aromatics by weight**	< 6%
Method	PM Closed Cup	**Particle characteristics**	not applicable
Autoignition temperature	not determined	**Explosive properties**	not determined
Decomposition temperature	not determined	**Oxidising properties**	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, 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 hazard classes as defined in Regulation (EC) No 1272/2008 / GHS

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	> 5,000 mg/kg
m-Xylene	LD50, rat	4,320 mg/kg
Distillates (petroleum), hydrotreated naphthenic	LD50, rat	> 5,000 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	> 2,000 mg/kg
m-Xylene	LD50, rabbit	> 4,200 mg/kg
Distillates (petroleum), hydrotreated naphthenic	LD50, rabbit	> 2,000 mg/kg

Inhalation: ATE-mix = 220.4 mg/l (vapour). 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 (vapour)
m-Xylene	LC50, rat, 4 h	27.124 mg/l (vapour)
m-Xylene	LC50, rat, 4 h	6,700 ppm (vapour)

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: 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 the European Chemicals Agency (ECHA).

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.

11.2. Information on other hazards

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

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

12.6. Endocrine disrupting properties

None known

12.7. 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 or ID number

ADG/ADR/RID/ADN/IMDG/ICAO: UN1993
TDG: UN1993
US DOT: UN1993*

14.2. UN proper shipping name

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

14.3. Transport hazard class(es)

ADG/ADR/RID/ADN/IMDG/ICAO: 3
TDG: 3
US DOT: 3

14.4. Packing group

ADG/ADR/RID/ADN/IMDG/ICAO: III
TDG: III
US DOT: III

14.5. Environmental hazards

NO ENVIRONMENTAL HAZARDS

14.6. Special precautions for user

NO SPECIAL PRECAUTIONS FOR USER

14.7. Maritime transport in bulk according to IMO instruments

NOT APPLICABLE

14.8. Other information

US DOT: ERG NO.128,
*MAY BE RECLASSED 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)
ADG HAZCHEM CODE: ●3Y **HIN:** 30

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: Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances (hazard category P5c, Flammable Liquids; qualifying quantities: 5,000 t (net), 50,000 t (net)).

15.1.2. National regulations

US EPA SARA TITLE III

312 Hazards:	**Chemicals subject to reporting requirements of Section 313 of EPCRA and of 40 CFR 372:**		
Flammable liquid Skin irritation Specific target organ toxicity – single exposure	m-Xylene	108-38-3	1-5%

TSCA: All chemical components are listed in the TSCA inventory.

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
SCL: Specific Concentration Limit
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.

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

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

Further information: None

Date of last revision: 5 December 2023

Changes to the SDS in this revision: Section 1.1.

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.