

## SAFETY DATA SHEET

in accordance with 29 CFR 1910.1200 / WHMIS 2022

**Revision date:** 24 May 2024      **Date of previous issue:** 16 June 2023      **SDS No.** 390B-10

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

#### 1.1. Product identifier

785 FG Parting Lubricant

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

**Relevant identified uses:** Synthetic base. Eases assembly and disassembly of metal parts by protecting against galling, self-welding, corrosion, and galvanic attack. Do not use on oxygen systems.

**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

(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

#### 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 29 CFR 1910.1200 / WHMIS 2022

Eye irritation, Category 2, H319

Reproductive toxicity, Category 2, H361f

##### 2.1.2. Additional information

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

#### 2.2. Label elements

**Labeling according to 29 CFR 1910.1200 / WHMIS 2022**

**Hazard pictograms:**



**Signal word:**

Warning

**Hazard statements:**

H319

H361f

Causes serious eye irritation.

Suspected of damaging fertility.

<b>Precautionary statements:</b>	P201	Obtain special instructions before use.
	P202	Do not handle until all safety precautions have been read and understood.
	P264	Wash skin thoroughly after handling.
	P280	Wear protective gloves, protective clothing and eye/face protection.
	P305/351/338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P308/313	IF exposed or concerned: Get medical advice/attention.
	P405	Store locked up.
	P501	Dispose of contents/container to an approved waste disposal plant.

**Supplemental information:** None

### 2.3. Other hazards

None

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2. Mixtures

Hazardous Ingredients <sup>1</sup>	% Wt.	CAS No.
Tetrasodium pyrophosphate	1-<3	7722-88-5
Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts	0.4-2.4	68584-23-6
Calcium dodecylbenzenesulphonate	0.4-1.4	26264-06-2
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	0.4-1.4	68411-46-1
Sulfonic acids, petroleum, calcium salts	0.4-2.4	61789-86-4
Other ingredients:		
Baseoil – unspecified*	4-10	64742-70-7 64742-65-0
Titanium dioxide***	3-7	13463-67-7
Talc***	3-7	14807-96-6

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

\*\*Substance with a workplace exposure limit.

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

<sup>a</sup> Contains less than 1 % of particles with aerodynamic diameter ≤ 10 µm.

<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)  
• WHMIS 2022, GHS

## 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.
<b>Skin contact:</b>	Wash skin with soap and water. Contact physician if irritation persists.
<b>Eye contact:</b>	Flush eyes for at least 15 minutes with large amounts of water. Contact physician.
<b>Ingestion:</b>	If person is conscious, rinse mouth with water and give small quantities of water to drink. Do not induce vomiting. Contact physician.
<b>Protection of first-aiders:</b>	Avoid contact with the product while providing aid to the victim. See section 8.2.2 for recommendations on personal protective equipment.

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

Irritating to eyes. 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: FIRE-FIGHTING 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**

**Hazardous combustion products:** Thermal decomposition may produce Carbon Monoxide, Carbon Dioxide, oxides of Sulfur and other toxic fumes.

**Other hazards:** Dense smoke. Do not allow runoff from firefighting to enter drains or water courses.

**5.3. Advice for firefighters**

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

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

Provide adequate ventilation. 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. Wash thoroughly after handling. Take off contaminated clothing and wash it before reuse. Do not eat, drink or smoke in work area. Keep container closed when not in use.

**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>	
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Tetrasodium pyrophosphate*	N/A	N/A	N/A	N/A
Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts	N/A	N/A	N/A	N/A
Calcium dodecylbenzenesulphonate	N/A	N/A	N/A	N/A
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	N/A	N/A	N/A	N/A
Sulfonic acids, petroleum, calcium salts	N/A	N/A	N/A	N/A
Oil mist, mineral	N/A	5	N/A	5
Titanium dioxide	N/A	15	N/A	10
Talc	N/A	20 mppcf	(resp.)	2

\* U.S. National Institute for Occupational Safety and Health (NIOSH) REL (TWA): 5 mg/m<sup>3</sup>

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

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

**Biological limit values**

No biological exposure limits noted for the ingredient(s).

**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**

<b>Respiratory protection:</b>	Not normally needed. If exposure limits are exceeded, use an approved organic vapor respirator for mists.
<b>Protective gloves:</b>	Chemical resistant gloves (e.g. neoprene, nitrile).
<b>Eye and face protection:</b>	Safety goggles or glasses.
<b>Other:</b>	Long sleeves, long pants and good personal hygiene to minimize 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>	semi-solid	<b>pH</b>	not applicable
<b>Colour</b>	off-white	<b>Kinematic viscosity</b>	not determined
<b>Odour</b>	slight petroleum odor	<b>Solubility in water</b>	insoluble
<b>Odour threshold</b>	not determined	<b>Partition coefficient</b>	not applicable
		<b>n-octanol/water (log value)</b>	
<b>Boiling point or range</b>	not applicable	<b>Vapour pressure @ 20°C</b>	not determined
<b>Melting point/freezing point</b>	not applicable	<b>Density and/or relative density</b>	1.32 kg/l
<b>% Volatile (by volume)</b>	negligible	<b>Weight per volume</b>	11.02 lbs/gal.
<b>Flammability</b>	not determined	<b>Vapour density (air=1)</b>	> 1
<b>Lower/upper flammability or explosion limits</b>	not determined	<b>Rate of evaporation (ether=1)</b>	< 1
<b>Flash point</b>	not determined	<b>% Aromatics by weight</b>	not determined
<b>Method</b>	not applicable	<b>Particle characteristics</b>	no data available
<b>Autoignition temperature</b>	not determined	<b>Explosive properties</b>	not determined
<b>Decomposition temperature</b>	not determined	<b>Oxidising 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 under normal conditions.

**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 acids, bases, oxidizers and reducing agents.

**10.6. Hazardous decomposition products**

Carbon Monoxide, Carbon Dioxide, oxides of Nitrogen and Sulfur 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.

**Acute toxicity -**

**Oral:**

ATE-mix &gt; 5,000 mg/kg

Substance	Test	Result
Tetrasodium pyrophosphate	LD50, rat	1,624 mg/kg
Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts	LD50, rat (OECD 401)	> 5,000 mg/kg
Calcium dodecylbenzenesulphonate	LD50, rat	1,300 mg/kg
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	LD50, rat (OECD 401)	> 2,000 mg/kg
Sulfonic acids, petroleum, calcium salts	LD50, rat (OECD 401)	> 5,000 mg/kg

**Dermal:**

ATE-mix &gt; 5,000 mg/kg

Substance	Test	Result
Tetrasodium pyrophosphate	LD50, rabbit	7,940 mg/kg
Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts	LD50, rabbit (OECD 402)	> 2,000 mg/kg
Calcium dodecylbenzenesulphonate	LD50, rabbit	> 4,199 mg/kg (read-across)
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	LD50, rat	> 2,000 mg/kg
Sulfonic acids, petroleum, calcium salts	LD50, rabbit (OECD 402)	> 4,000 mg/kg

**Inhalation:**

Not classified, based on available data.

Substance	Test	Result
Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts	LD50, rat, aerosol	> 1.9 mg/l (read-across)
Sulfonic acids, petroleum, calcium salts	LC50, rat, mist (OPP 81-3)	> 1.9 mg/l (OPP 81-3)

**Skin corrosion/irritation:**

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

Substance	Test	Result
Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts	Skin irritation, rabbit	Not irritating (read-across)
Calcium dodecylbenzenesulphonate	Skin irritation, rabbit	Irritating
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	Skin irritation, rabbit (OECD 404)	Not irritating

**Serious eye damage/irritation:**

Causes serious eye irritation.

Substance	Test	Result
Tetrasodium pyrophosphate	Eye irritation, rabbit	Serious eye damage/severe irritation
Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts	Eye irritation, rabbit (OECD 405)	Not irritating
Calcium dodecylbenzenesulphonate	Eye irritation, rabbit	Serious eye damage/severe irritation (read-across)
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	Eye irritation, rabbit (OECD 405)	Not irritating
Sulfonic acids, petroleum, calcium salts	Eye irritation, rabbit	Not irritating

**Respiratory or skin sensitisation:**

Does not cause skin sensitisation, based on data from similar materials.

Substance	Test	Result
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	Skin sensitization, guinea pig	Not sensitizing

**Germ cell mutagenicity:**

Not classified, based on available data. Tetrasodium pyrophosphate, Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts: based on available data, the classification criteria are not met. Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene – Ames test: negative.

Substance	Test	Result
Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts	Ames test (OECD 471)	negative (similar material)
Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts	In vitro test, OECD 476	negative (similar material)
Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts	Micronucleus test, mouse, oral	negative
Calcium dodecylbenzenesulphonate	Ames test (QSAR)	negative
Sulfonic acids, petroleum, calcium salts	Ames test (OECD 471)	negative (similar material)
Sulfonic acids, petroleum, calcium salts	In vitro test, OECD 476	negative (similar material)
Distillates (petroleum), solvent-refined heavy paraffinic	bacteria, OECD 471	negative

**Carcinogenicity:**

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.

**Reproductive toxicity:**

Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene has produced effects on fertility in an animal ingestion study.

Substance	Test	Result
Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts	415, rat, male/female, oral, 28 days	NOAEL >= 500 mg/kg (similar material)
Calcium dodecylbenzenesulphonate	rat, male/female, oral, 20 days	maternal NOAEL: 300 mg/kg developmental NOAEL: 300 mg/kg
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	rat, male/female, oral, 1 generation, OECD 443	Effects on fertility

**STOT – single exposure:**

Not classified, based on available data. Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts: based on available data, the classification criteria are not met.

**STOT – repeated exposure:**

Not classified, based on available data. Tetrasodium pyrophosphate, Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts: based on available data, repeated exposures are not anticipated to cause significant adverse effects. 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.

Substance	Test	Result
Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts	28-day oral subchronic study (OECD 407) rat, male/female	NOAEL: 500 mg/kg (similar material)
Calcium dodecylbenzenesulphonate	180-day oral subchronic study, rat, male/female	LOAEL: 115 mg/kg
Calcium dodecylbenzenesulphonate	rat, male/female, 30 days	LOAEL: 250 mg/kg

**Aspiration hazard:**

Not classified as an aspiration toxicant.

**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**

Calcium dodecylbenzenesulphonate: 96 h LC50 (fish) = 22 mg/l (OECD 203, read-across). Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene: 96 h LC50 (fish) > 71 mg/l (OECD 203); 48 h EC50 (for daphnia) = 51 mg/l (OECD 202). Sulfonic acids, petroleum, calcium salts: 96 h LC50 (fish) > 10,000 mg/l. Oil: practically non-toxic to aquatic organisms on an acute basis (LC50/EC50/ErC50 > 100 mg/l.)

**12.2. Persistence and degradability**

Oil: not readily biodegradable. Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts: not readily biodegradable (read-across). Calcium dodecylbenzenesulphonate: readily biodegradable. Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene: not readily biodegradable (CO2 Evolution Test). Sulfonic acids, petroleum, calcium salts: not readily biodegradable (8.6%). Tetrasodium pyrophosphate: inorganic substance.

**12.3. Bioaccumulative potential**

Calcium dodecylbenzenesulphonate: BCF = 104 (fish, 21 days); log Kow 3.9 – 6; has the potential to bioaccumulate, however metabolism or physical properties may reduce the bioconcentration or limit bioavailability. Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene: log Kow > 7. Tetrasodium pyrophosphate: does not bioaccumulate.

**12.4. Mobility in soil**

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

**12.5. Endocrine disrupting properties**

None known

**12.6. Other adverse effects**

None known

**SECTION 13: DISPOSAL CONSIDERATIONS****13.1. Waste treatment methods**

Incinerate absorbed material with a properly licensed facility. Check local, state and national/federal regulations and comply with the most stringent requirement.

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

RID/IMDG/ICAO: NOT APPLICABLE  
TDG: NOT APPLICABLE  
US DOT: NOT APPLICABLE

**14.2. UN proper shipping name**

RID/IMDG/ICAO: NON-HAZARDOUS, NON REGULATED  
TDG: NON-HAZARDOUS, NON REGULATED  
US DOT: NON-HAZARDOUS, NON REGULATED

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

RID/IMDG/ICAO: NOT APPLICABLE  
TDG: NOT APPLICABLE  
US DOT: NOT APPLICABLE

**14.4. Packing group**

RID/IMDG/ICAO: NOT APPLICABLE  
TDG: NOT APPLICABLE  
US DOT: NOT APPLICABLE

**14.5. Environmental hazards**

NOT APPLICABLE

**14.6. Special precautions for user**

NOT APPLICABLE

**14.7. Maritime transport in bulk according to IMO instruments**

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. National regulations****US EPA SARA TITLE III****312 Hazards:**

Eye irritation  
Reproductive toxicity

**Chemicals subject to reporting requirements of Section 313 of EPCRA and of 40 CFR 372:**

None

TSCA: All components are listed or exempted.

**Other national regulations:** None

**SECTION 16: OTHER INFORMATION****Abbreviations****and acronyms:**

ATE: Acute Toxicity Estimate  
BCF: Bioconcentration Factor  
cATpE: Converted Acute Toxicity point Estimate  
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  
(Q)SAR: Quantitative Structure-Activity Relationship  
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  
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)  
U.S. National Library of Medicine Toxicology Data Network (TOXNET)

**Procedure used to derive the classification for mixtures according to GHS:**

Classification	Classification procedure
Eye Irrit. 2, H319	Calculation method
Repr. 2, H361f	Calculation method

**Relevant H-statements:** H319: Causes serious eye irritation.  
H361f: Suspected of damaging fertility.

**Further information:** None

**Date of last revision:** 24 May 2024

**Changes to the SDS in this revision:** Sections 1.1, 1.3, 1.4, 2.1, 2.2, 3, 8.1, 11, 12.5, 13, 14, 15.1, 16.

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.