



## SAFETY DATA SHEET

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

Revision date: 28 January 2016

Initial date of issue: 29 June 2007

SDS No. 194B-23

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

#### 1.1. Product identifier

785 Parting Lubricant (Bulk)

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

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.

#### 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

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: None

Signal word: None

Hazard statements: None

Precautionary statements: None

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
Aluminum***	5-10	7429-90-5 231-072-3	01-211952 9243-45	Water-react. 2, H261 Flam. Sol. 1, H228
Naphtha (petroleum), hydrotreated heavy**	1-3	64742-48-9 265-150-3	NA	Flam. Liq. 3, H226 Asp. Tox. 1, H304 STOT SE 3, H336
Low boiling point naphtha**	0.1-1.1	64742-95-6 265-199-0	NA	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin Irrit. 2, H315 STOT SE 3, H336 Aquatic Chronic 2, H411
Methanol	0.1-0.5	67-56-1 200-659-6	01-211943 3307-44	Flam. Liq. 2, H225 Acute Tox. 3, H331/H311/H301 STOT SE 1, H370

## Other ingredients:

Calcium carbonate	7-13	1317-65-3 215-279-6	NA	Not classified*
Mica***	5-10	12001-26-2 310-127-6	NA	Not classified*
Graphite***	1-5	7782-42-5 231-955-3	01-211948 6977-12	Not classified*
Amorphous silica	1-5	112945-52-5 231-545-4 (7631-86-9)	01-211937 9499-16	Not classified*

For full text of H-statements: see SECTION 16.

\*Substance with a workplace exposure limit.

\*\*Contains less than 0.1 % w/w Benzene.

\*\*\*The Aluminum, Graphite and Mica listed do not separate from the mixture or become airborne, therefore, do not present a hazard in normal use.

<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:** Remove to fresh air. If not breathing, administer artificial respiration. Contact physician.**Skin contact:** Wash skin with soap and water. 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. Contact physician if irritation persists.**Ingestion:** Do not induce vomiting. Contact physician immediately.**4.2. Most important symptoms and effects, both acute and delayed**

Direct eye contact may cause eye irritation. Inhalation of vapor concentrations may irritate the eyes and respiratory tract and cause dizziness, headache, other central nervous system effects. Prolonged or repeated skin contact may cause mild 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:** Water jets**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**

Evacuate area. 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. Use caution - floor may be slippery where spill has occurred.

**6.4. Reference to other sections**

Refer to section 13 for disposal advice.

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

Observe good work practice - avoid eating, drinking and smoking in the work area while using any hydrocarbons. Avoid prolonged or repeated skin contact. Utilize exposure controls and personal protection as specified in Section 8.

**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>		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>
Aluminum	(total) (resp)	15 5	(resp)	1	(inhal) (resp)	10 4	–	10
Naphtha (petroleum), hydrotreated heavy	–	–	–	–	–	–	–	–
Low boiling point naphtha	500	2900	100	525	–	–	–	790
Methanol	200	260	200 (skin) STEL: 250	262 328	200 STEL: 250	266 333	200 (skin) STEL: 250	262 328
Calcium carbonate	(total) (resp)	15 5	(inhal) (resp)	10 3	(inhal) (resp)	10 4	–	10
Mica	–	20 mppcf	(resp)	3	(total) (resp)	10 0.8	–	(insp) 2.5
Graphite	(resp)	5	(resp)	2	(inhal) (resp)	10 4	(resp)	3
Amorphous silica	–	20 mppcf	(resp)	3	(inhal) (resp)	6 2.4	(resp)	2

Chesterton recommended limit: 5 mg/m<sup>3</sup> (oil mist).

<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 approved organic vapor respirator (e.g., EN filter type A-P).

**Protective gloves:** Not normally needed. Recommend neoprene gloves for prolonged contact.

**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>	soft paste	<b>Odour</b>	mild odor
<b>Colour</b>	gray	<b>Odour threshold</b>	not determined
<b>Initial boiling point</b>	not applicable	<b>Vapour pressure @ 20°C</b>	< 1 mm Hg
<b>Melting point</b>	not determined	<b>% Aromatics by weight</b>	1%
<b>% Volatile (by volume)</b>	4%	<b>pH</b>	not applicable
<b>Flash point</b>	107°C (225°F)	<b>Relative density</b>	1.2 kg/l
<b>Method</b>	PM Closed Cup	<b>Weight per volume</b>	10.0 lbs/gal.
<b>Viscosity</b>	1 million 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 applicable	<b>Solubility in water</b>	insoluble
<b>Flammability (solid, gas)</b>	not applicable	<b>Oxidising properties</b>	not applicable
<b>Explosive properties</b>	not applicable		

**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**

May depolymerize at temperatures above 200°C with the production of extremely flammable butene monomers.

**10.4. Conditions to avoid**

Open flames and high temperatures.

**10.5. Incompatible materials**

Acids, bases and strong oxidizers like liquid Chlorine and concentrated Oxygen.

**10.6. Hazardous decomposition products**

Carbon Monoxide, Carbon Dioxide 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.

**Acute toxicity -**

**Oral:**

Substance	Test	Result
Calcium carbonate	LD50, rat	6450 mg/kg
Graphite	LD50, rat	> 2000 mg/kg
Amorphous silica	LD50, rat	> 5000 mg/kg
Low boiling point naphtha	LD50, rat	> 3000 mg/kg
Methanol	LD50, rat	5628 mg/kg (IUCLID)
Methanol	Human lethal dose	143 mg/kg (RTECS)
Naphtha (petroleum), hydrotreated heavy	LD50, rat	> 15000 mg/kg

**Dermal:**

Substance	Test	Result
Low boiling point naphtha	LD50, rabbit	> 2000 mg/kg
Methanol	LDLo, monkey	393 mg/kg (IUCLID)
Naphtha (petroleum), hydrotreated heavy	LD50, rabbit	> 3160 mg/kg

**Inhalation:**

Inhalation of vapor concentrations may irritate the eyes and respiratory tract and cause dizziness, headache, other central nervous system effects.

Substance	Test	Result
Graphite	LC0, rat, 4 h	> 2 mg/l (dust)
Amorphous silica	LC0, rat, 4 h	> 0.69 mg/l (dust)
Low boiling point naphtha	LC50, rat	> 5.5 mg/l
Methanol	LCLo, monkey	1.3 mg/l (IUCLID)

**Skin corrosion/irritation:**

Prolonged or repeated skin contact may cause mild skin irritation.

**Serious eye damage/irritation:**

Direct eye contact may cause eye irritation.

**Respiratory or skin sensitisation:**

No data available

**Germ cell mutagenicity:**

Aluminum, Methanol: 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:**

Aluminum: based on available data, the classification criteria are not met. WARNING: This product contains a chemical(s) known to the State of California to cause birth defects or other reproductive harm (Methanol).

**STOT-single exposure:**

Not expected to cause toxicity.

**STOT-repeated exposure:**

Prolonged, excessive inhalation of Graphite and Mica dust has caused emphysema and pneumoconiosis. The Graphite and Mica in this product are not in powder form and should not present a hazard in normal use.

**Aspiration hazard:**

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

**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**

Low boiling point naphtha: material is moderately toxic to aquatic organisms on an acute basis (LC50/EC50 between 1 and 10 mg/L in the most sensitive species).

**12.2. Persistence and degradability**

Naphtha (petroleum), hydrotreated heavy, Low boiling point naphtha: degradation is expected in the atmospheric environment within days to weeks; inherently biodegradable. Methanol: readily biodegradable. Calcium carbonate, Mica, Aluminum, Graphite: inorganic substances.

**12.3. Bioaccumulative potential**

Methanol: not expected to bioaccumulate.

**12.4. Mobility in soil**

Paste. 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**

Incinerate absorbed material with a properly licensed facility. Material should be stabilized and solidified prior to disposal. Check local, state and national/federal regulations and comply with the most stringent requirement. Classified as hazardous according to 2008/98/EC.

**SECTION 14: TRANSPORT INFORMATION**

**14.1. UN number**

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

**14.2. UN proper shipping name**

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

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

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

**14.4. Packing group**

**ADR/RID/ADN/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. 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**

**312 Hazards:**

Immediate

**313 Chemicals:**

Aluminum 7429-90-5 5-10%

**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 de la santé et de la sécurité du travail (CSST)  
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:** H225: Highly flammable liquid and vapour.  
H226: Flammable liquid and vapour.  
H228: Flammable solid.  
H261: In contact with water releases flammable gases.  
H301: Toxic if swallowed.  
H304: May be fatal if swallowed and enters airways.  
H311: Toxic in contact with skin.  
H315: Causes skin irritation.  
H331: Toxic if inhaled.  
H336: May cause drowsiness or dizziness.  
H370: Causes damage to organs.  
H411: Toxic to aquatic life with long lasting effects.

**Hazard pictogram names:** Not applicable

**Changes to the SDS in this revision:** Sections 3, 11, 16.

**Revision date:** 28 January 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.