SAFETY DATA SHEET

Revision date: August 29, 2019  Initial date of issue: 29 June 2007  SDS No. 194B-27a

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
E-mail (SDS questions): ProductMSDSs@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

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

Aquatic Chronic 3, H412

2.1.2. Australian statement of hazardous nature
Not classified as 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

<table>
<thead>
<tr>
<th>Hazard pictograms:</th>
<th>None</th>
</tr>
</thead>
<tbody>
<tr>
<td>Signal word:</td>
<td>None</td>
</tr>
<tr>
<td>Hazard statements:</td>
<td>H412</td>
</tr>
<tr>
<td></td>
<td>Harmful to aquatic life with long lasting effects.</td>
</tr>
<tr>
<td>Precautionary statements:</td>
<td>P273</td>
</tr>
<tr>
<td></td>
<td>Avoid release to the environment.</td>
</tr>
<tr>
<td>Supplemental information:</td>
<td>None</td>
</tr>
</tbody>
</table>

2.3. Other hazards
None known
SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

<table>
<thead>
<tr>
<th>Hazardous Ingredients¹</th>
<th>% Wt.</th>
<th>CAS No./EC No.</th>
<th>REACH Reg. No.</th>
<th>CLP/GHS Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Naphtha (petroleum), hydrotreated heavy*</td>
<td>1-3</td>
<td>64742-48-9 265-150-3</td>
<td>NA</td>
<td>Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin Irrit. 2, H315 STOT SE 3, H336 Aquatic Chronic 2, H411</td>
</tr>
<tr>
<td>Solvent naphtha (petroleum), light aromatic*</td>
<td>1-2</td>
<td>64742-95-6 265-199-0</td>
<td>NA</td>
<td>Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin Irrit. 2, H315 STOT SE 3, H336 Aquatic Chronic 2, H411</td>
</tr>
<tr>
<td>Methanol</td>
<td>0.1-0.5</td>
<td>67-56-1 200-659-6</td>
<td>01-211943 3307-44</td>
<td>Flam. Liq. 2, H225 Acute Tox. 3, H301/311/331 STOT SE 1, H370</td>
</tr>
</tbody>
</table>

Other ingredients:

| Aluminum** | 5-10 | 7429-90-5 231-072-3 | NA | Not classified** |

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

*Contains less than 0.1 % w/w Benzene.

**Not classified for flammability and water-reactivity based on the results of UN tests N.1 and N.5, respectively. Substance with a workplace exposure limit.


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.

Protection of first-aiders: Avoid contact with the product while providing aid to the victim. See section 8 for specific recommendations on personal protective equipment.

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

Direct contact may cause mild eye irritation. 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

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

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**

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>OSHA PEL&lt;sup&gt;1&lt;/sup&gt; ppm</th>
<th>ACGIH TLV&lt;sup&gt;2&lt;/sup&gt; ppm</th>
<th>UK WEL&lt;sup&gt;3&lt;/sup&gt; ppm</th>
<th>AUSTRALIA ES&lt;sup&gt;4&lt;/sup&gt; ppm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Naphtha (petroleum), hydrotreated heavy</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Solvent naphtha (petroleum), light aromatic</td>
<td>500</td>
<td>2900</td>
<td>100</td>
<td>525</td>
</tr>
<tr>
<td>Aluminum (total)</td>
<td>15</td>
<td>(resp) 15</td>
<td>(resp) 1</td>
<td>(inhal) 10</td>
</tr>
<tr>
<td>Methanol (skin)</td>
<td>200</td>
<td>260</td>
<td>200</td>
<td>200 (skin) 262</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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]
Derived No Effect Level (DNEL) according to Regulation (EC) No 1907/2006:
Workers
Not available

Predicted No Effect Concentration (PNEC) according to Regulation (EC) No 1907/2006:
Not available

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: Chemical resistant gloves (e.g. neoprene, nitrile).
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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>soft paste</td>
</tr>
<tr>
<td>Colour</td>
<td>gray</td>
</tr>
<tr>
<td>Initial boiling point</td>
<td>not applicable</td>
</tr>
<tr>
<td>Melting point</td>
<td>not determined</td>
</tr>
<tr>
<td>% Volatile (by volume)</td>
<td>4%</td>
</tr>
<tr>
<td>Flash point</td>
<td>93.3°C (200°F)</td>
</tr>
<tr>
<td>Method</td>
<td>PM Closed Cup</td>
</tr>
<tr>
<td>Viscosity</td>
<td>1 million cps @ 25°C</td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>not determined</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>not determined</td>
</tr>
<tr>
<td>Upper/lower flammability or</td>
<td>not applicable</td>
</tr>
<tr>
<td>explosive limits</td>
<td></td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>not applicable</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>not applicable</td>
</tr>
<tr>
<td>Odour</td>
<td>mild odor</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>not determined</td>
</tr>
<tr>
<td>Vapour pressure @ 20°C</td>
<td>&lt; 1 mm Hg</td>
</tr>
<tr>
<td>% Aromatics by weight</td>
<td>1%</td>
</tr>
<tr>
<td>pH</td>
<td>not applicable</td>
</tr>
<tr>
<td>Relative density</td>
<td>1.2 kg/l</td>
</tr>
<tr>
<td>Weight per volume</td>
<td>10.0 lbs/gal.</td>
</tr>
<tr>
<td>Coefficient (water/oil)</td>
<td>&lt; 1</td>
</tr>
<tr>
<td>Vapour density (air=1)</td>
<td>&gt; 1</td>
</tr>
<tr>
<td>Rate of evaporation (ether=1)</td>
<td>&lt; 1</td>
</tr>
<tr>
<td>Solubility in water</td>
<td>insoluble</td>
</tr>
<tr>
<td>Oxidising properties</td>
<td>not applicable</td>
</tr>
</tbody>
</table>

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.

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SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Primary route of exposure under normal use: Inhalation, skin and eye contact.

Acute toxicity -

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

<table>
<thead>
<tr>
<th>Substance</th>
<th>Test</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Naphtha (petroleum), hydrotreated heavy</td>
<td>LD50, rat</td>
<td>&gt; 5000 mg/kg</td>
</tr>
<tr>
<td>Solvent naphtha (petroleum), light aromatic</td>
<td>LD50, rat</td>
<td>&gt; 3492 mg/kg</td>
</tr>
<tr>
<td>Methanol</td>
<td>LD50, rat</td>
<td>5628 mg/kg (IUCLID)</td>
</tr>
<tr>
<td>Methanol</td>
<td>Human lethal dose</td>
<td>143 mg/kg (RTECS)</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Substance</th>
<th>Test</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Naphtha (petroleum), hydrotreated heavy</td>
<td>LD50, rabbit</td>
<td>&gt; 3160 mg/kg</td>
</tr>
<tr>
<td>Solvent naphtha (petroleum), light aromatic</td>
<td>LD50, rabbit</td>
<td>&gt; 3160 mg/kg</td>
</tr>
<tr>
<td>Methanol</td>
<td>LDLo, monkey</td>
<td>393 mg/kg (IUCLID)</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Substance</th>
<th>Test</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solvent naphtha (petroleum), light aromatic</td>
<td>LC50, rat</td>
<td>&gt; 6.193 mg/l</td>
</tr>
<tr>
<td>Methanol</td>
<td>LCLo, monkey</td>
<td>1.3 mg/l (IUCLID)</td>
</tr>
</tbody>
</table>

Skin corrosion/irritation: Prolonged or repeated skin contact may cause mild skin irritation.

Serious eye damage/irritation: Direct contact may cause mild eye irritation.

Respiratory or skin sensitisation: Not expected to cause sensitization.

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, Methanol: based on available data, the classification criteria are not met.

STOT-single exposure: Aluminum: based on available data, the classification criteria are not met.

STOT-repeated exposure: Aluminum, Methanol: 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 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

Naphtha (petroleum), hydrotreated heavy, Solvent naphtha (petroleum), light aromatic: 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, Solvent naphtha (petroleum), light aromatic: degradation is expected in the atmospheric environment within days to weeks; inherently biodegradable. Methanol: readily biodegradable. Aluminum: inorganic substance.
### 12.3. Bioaccumulative potential
Naphtha (petroleum), hydrotreated heavy, Solvent naphtha (petroleum), light aromatic: contains constituents with the potential to bioaccumulate. 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
Other EU regulations: None

### 15.1.2. National regulations

#### US EPA SARA TITLE III

<table>
<thead>
<tr>
<th>312 Hazards</th>
<th>313 Chemicals:</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td>Aluminum 7429-90-5 5-10%</td>
</tr>
</tbody>
</table>

**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:**
- 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
- 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:**

<table>
<thead>
<tr>
<th>Classification</th>
<th>Classification procedure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Relevant H-statements</td>
<td></td>
</tr>
<tr>
<td>------------------------------------------------------</td>
<td>-----------------------------------------------------------------</td>
</tr>
<tr>
<td>H301/311/331: Toxic if swallowed, in contact with skin or if inhaled.</td>
<td>H304: May be fatal if swallowed and enters airways.</td>
</tr>
<tr>
<td>H315: Causes skin irritation.</td>
<td>H336: May cause drowsiness or dizziness.</td>
</tr>
<tr>
<td>H370: Causes damage to organs.</td>
<td>H411: Toxic to aquatic life with long lasting effects.</td>
</tr>
</tbody>
</table>

| Hazard pictogram names                               | Not applicable                                                  |

| Changes to the SDS in this revision                  | Section 15.1.2 (TSCA statement).                                |

| Date of last revision                                | August 29, 2019                                                 |

| 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.