# SAFETY DATA SHEET

in accordance with 29 CFR 1910.1200, WHMIS 2015 and Safe Work Australia

<table>
<thead>
<tr>
<th>Revision date:</th>
<th>Initial date of issue:</th>
<th>SDS No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>9 December 2019</td>
<td>6 July 2007</td>
<td>281-16</td>
</tr>
</tbody>
</table>

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

### 1.1. Product identifier
803 Industrial & Marine Solvent II

### 1.2. Relevant identified uses of the substance or mixture and uses advised against
A high performance water based alkaline cleaner.

### 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

**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)
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 29 CFR 1910.1200 / WHMIS 2015 / GHS
Skin corrosion, Category 1B, H314

#### 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

**Labeling according to 29 CFR 1910.1200 / WHMIS 2015 / GHS**

**Hazard pictograms:**

![Danger symbol]

**Signal word:** Danger

**Hazard statements:** H314 Causes severe skin burns and eye damage.
Precautionary statements:
P260 Do not breathe mist/spray.
P264 Wash hands, face and any exposed skin thoroughly after handling.
P280 Wear protective gloves/clothing and eye/face protection.
P303/361/353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P305/351/338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P304/340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P301/330/331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P310 Immediately call a POISON CENTER or doctor.
P363 Wash contaminated clothing before reuse.
P405 Store locked up.
P501 Dispose of contents/container to an approved waste disposal plant.

Supplemental information: None

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

<table>
<thead>
<tr>
<th>Hazardous Ingredients¹</th>
<th>% Wt.</th>
<th>CAS No.</th>
<th>GHS Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium carbonate</td>
<td>1-5</td>
<td>497-19-8</td>
<td>Eye Irrit. 2, H319</td>
</tr>
<tr>
<td>Hexyl D-glucoside</td>
<td>1-5</td>
<td>54549-24-5</td>
<td>Eye Dam. 1, H318</td>
</tr>
<tr>
<td>Dipropylene glycol monomethyl ether [Synonym: (2-Methoxymethylthoxy)propanol]</td>
<td>1-5</td>
<td>34590-94-8</td>
<td>Flam. Liq. 4, H227</td>
</tr>
<tr>
<td>Potassium hydroxide</td>
<td>1-2</td>
<td>1310-58-3</td>
<td>Acute Tox. 4, H302</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Skin Corr. 1A, H314</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Met. Corr. 1, H290</td>
</tr>
</tbody>
</table>

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

• WHMIS 2015, Safe Work Australia, GHS

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: Flood area with water while removing contaminated clothing. Wash clothing before reuse. Wash skin with soap and water. Contact physician immediately.

Eye contact: Flush eyes for at least 15 minutes with large amounts of water. Contact physician immediately.

Ingestion: Do not induce vomiting. If conscious, drink large quantities of water. 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. Do not breathe mist. See section 8.2.2 for recommendations on personal protective equipment.

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

Direct contact can cause severe eye and skin irritation; possibly burns. Repeated or prolonged exposures to skin that cause irritation may cause a chronic dermatitis.

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: Not combustible. Use extinguishing media suitable for the surrounding fire.

Unsuitable extinguishing media: None

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products may include: Carbon Monoxide, Carbon Dioxide and other toxic fumes.
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
Utilize exposure controls and personal protection as specified in Section 8.

6.2. Environmental Precautions
No special requirements.

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
Keep container closed when not in use. Take off immediately all contaminated clothing. Alkaline materials sometimes exhibit delayed effects. Wash immediately after any contact.

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

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>OSHA PEL¹ ppm</th>
<th>OSHA PEL¹ mg/m³</th>
<th>ACGIH TLV² ppm</th>
<th>ACGIH TLV² mg/m³</th>
<th>AUSTRALIA ES³ ppm</th>
<th>AUSTRALIA ES³ mg/m³</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium carbonate</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Hexyl D-glucoside</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Dipropylene glycol monomethyl ether</td>
<td>100 (skin)</td>
<td>600</td>
<td>100 (skin)</td>
<td>N/A</td>
<td>50 (skin)</td>
<td>308</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>STEL: 150</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Potassium hydroxide</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>(Ceiling) 2</td>
<td>N/A</td>
<td>(Ceiling) 2</td>
</tr>
</tbody>
</table>

*Chesterton recommended limit: 100 ppm.
¹ United States Occupational Health & Safety Administration permissible exposure limits
² American Conference of Governmental Industrial Hygienists threshold limit values
³ Safe Work Australia, Workplace Exposure Standards for Airborne Contaminants

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

8.2. Exposure controls

8.2.1. Engineering measures
Use only in well-ventilated areas. If exposure limits are exceeded, supplement with local mechanical exhaust.

8.2.2. Individual protection measures

Respiratory protection: Not normally needed. If exposure limits are exceeded, use an approved organic/acid/base vapor respirator (e.g., EN filter type A-P2).

Protective gloves: Waterproof gloves (e.g., rubber, latex, plastic)
Eye and face protection: Safety goggles.
Other: Impervious clothing as necessary to prevent 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

<table>
<thead>
<tr>
<th>Physical state</th>
<th>clear liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colour</td>
<td>red</td>
</tr>
<tr>
<td>Initial boiling point</td>
<td>100°C (212°F)</td>
</tr>
<tr>
<td>Melting point</td>
<td>0°C (32°F)</td>
</tr>
<tr>
<td>% Volatile (by volume)</td>
<td>89%</td>
</tr>
<tr>
<td>Flash point</td>
<td>none</td>
</tr>
<tr>
<td>Method</td>
<td>PM Closed Cup</td>
</tr>
<tr>
<td>Viscosity</td>
<td>&lt; 5 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 explosive limits</td>
<td>not determined</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>not applicable</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>not determined</td>
</tr>
</tbody>
</table>

Odour: mild odor
Odour threshold: not determined
Vapour pressure @ 20°C: not determined
% Aromatics by weight: 0%
pH: 13.1 – 13.7
Relative density: 1.06 kg/l
Weight per volume: 8.9 lbs/gal
Coefficient (water/oil): > 1
Vapour density (air=1): > 1
Rate of evaporation (ether=1): < 1
Solubility in water: complete
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
None

10.5. Incompatible materials
Aluminum, Zinc and Tin; alloys of Aluminum, Zinc and Tin 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: Skin and eye contact.

Acute toxicity - Oral:
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>Sodium carbonate</td>
<td>LD50, rat</td>
<td>4,090 mg/kg</td>
</tr>
<tr>
<td>Hexyl D-glucoside</td>
<td>LD50 rat</td>
<td>&gt; 2,000 (read-across)</td>
</tr>
<tr>
<td>Dipropylene glycol monomethyl ether</td>
<td>LD50, rat</td>
<td>&gt; 5,000 mg/kg</td>
</tr>
<tr>
<td>Potassium hydroxide</td>
<td>LD50, rat</td>
<td>273 mg/kg</td>
</tr>
</tbody>
</table>
**Product:** 803 Industrial & Marine Solvent II  
**Date:** 9 December 2019  
**SDS No.:** 281-16

### Dermal:

<table>
<thead>
<tr>
<th>Substance</th>
<th>Test</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium carbonate</td>
<td>LD50, rabbit</td>
<td>&gt; 2,000 mg/l</td>
</tr>
<tr>
<td>Hexyl D-glucoside</td>
<td>LD50, rabbit</td>
<td>&gt; 2,000 mg/l (read-across)</td>
</tr>
<tr>
<td>Dipropylene glycol monomethyl ether</td>
<td>LD50, rat</td>
<td>9,510 mg/kg</td>
</tr>
</tbody>
</table>

### Inhalation:

<table>
<thead>
<tr>
<th>Substance</th>
<th>Test</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium carbonate</td>
<td>LC50, rat, 2 hours</td>
<td>2.3 mg/l</td>
</tr>
<tr>
<td>Dipropylene glycol monomethyl ether</td>
<td>LC0, rat, 7 h</td>
<td>3.35 mg/l (no mortality)</td>
</tr>
</tbody>
</table>

### Skin corrosion/irritation:

Direct contact can cause severe irritation; possibly burns.

<table>
<thead>
<tr>
<th>Substance</th>
<th>Test</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Potassium hydroxide</td>
<td>Skin irritation, rabbit</td>
<td>Corrosive</td>
</tr>
</tbody>
</table>

### Serious eye damage/irritation:

Risk of serious damage to eyes.

<table>
<thead>
<tr>
<th>Substance</th>
<th>Test</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Potassium hydroxide</td>
<td>Eye irritation, rabbit</td>
<td>Corrosive</td>
</tr>
</tbody>
</table>

### Respiratory or skin sensitisation:

Not expected to cause sensitization, based on available data.

<table>
<thead>
<tr>
<th>Substance</th>
<th>Test</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Potassium hydroxide</td>
<td>Skin sensitization, guinea pig</td>
<td>No skin sensitization</td>
</tr>
</tbody>
</table>

### Germ cell mutagenicity:

Not expected to be a germ cell mutagen, based on data from components or similar materials. Hexyl D-glucoside, Potassium hydroxide, Ames test: negative

### 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:

Sodium carbonate, Dipropylene glycol monomethyl ether, Potassium hydroxide: not expected to cause toxicity. Hexyl D-glucoside: data lacking.

### STOT – single exposure:

Not expected to cause toxicity, based on available data on components.

### STOT – repeated exposure:

Not expected to cause organ damage from prolonged or repeated exposure, based on available data on components.

### 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

Many aquatic species are intolerant of pH levels in excess of 10. Dipropylene glycol monomethyl ether: low toxicity to fish, daphnia and algae.

#### 12.2. Persistence and degradability

Hexyl D-glucoside, Dipropylene glycol monomethyl ether: readily biodegradable. Potassium hydroxide, Sodium carbonate: inorganic substances.

#### 12.3. Bioaccumulative potential

Hazardous ingredients: not expected to bioaccumulate.

#### 12.4. Mobility in soil

Liquid. Soluble in water. In determining environmental mobility, consider the product's physical and chemical properties (see Section 9). Hexyl D-glucoside, Dipropylene glycol monomethyl ether: expected to be highly mobile in soil.

#### 12.5. Other adverse effects

None known

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SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods
Incinerate or landfill absorbed material with a properly licensed facility. Liquids may be amenable for water treatment with absorption of organics after neutralization. Check local, state and national/federal regulations and comply with the most stringent requirement.

SECTION 14: TRANSPORT INFORMATION

14.1. UN number
<table>
<thead>
<tr>
<th>ADG/ADR/RID/ADN/IMDG/ICAO:</th>
<th>UN1814</th>
</tr>
</thead>
<tbody>
<tr>
<td>TDG:</td>
<td>UN1814</td>
</tr>
<tr>
<td>US DOT:</td>
<td>UN1814</td>
</tr>
</tbody>
</table>

14.2. UN proper shipping name
<table>
<thead>
<tr>
<th>ADG/ADR/RID/ADN/IMDG/ICAO:</th>
<th>POTASSIUM HYDROXIDE SOLUTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>TDG:</td>
<td>POTASSIUM HYDROXIDE SOLUTION</td>
</tr>
<tr>
<td>US DOT:</td>
<td>POTASSIUM HYDROXIDE SOLUTION</td>
</tr>
</tbody>
</table>

14.3. Transport hazard class(es)
<table>
<thead>
<tr>
<th>ADG/ADR/RID/ADN/IMDG/ICAO:</th>
<th>8</th>
</tr>
</thead>
<tbody>
<tr>
<td>TDG:</td>
<td>8</td>
</tr>
<tr>
<td>US DOT:</td>
<td>8</td>
</tr>
</tbody>
</table>

14.4. Packing group
<table>
<thead>
<tr>
<th>ADG/ADR/RID/ADN/IMDG/ICAO:</th>
<th>II</th>
</tr>
</thead>
<tbody>
<tr>
<td>TDG:</td>
<td>II</td>
</tr>
<tr>
<td>US DOT:</td>
<td>II</td>
</tr>
</tbody>
</table>

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 MARPOL 73/78 and the IBC Code
NOT APPLICABLE

14.8. Other information
<table>
<thead>
<tr>
<th>US DOT:</th>
<th>ERG NO. 154</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>May be shipped as Limited Quantities in packaging having a rated capacity gross weight of 66 lb. or less and in inner packages not over 1 Liter (49 CFR 173.154 (b,1))</td>
</tr>
<tr>
<td>IMDG:</td>
<td>EmS. F-A, S-B “Separated from Acids”</td>
</tr>
<tr>
<td>ADR:</td>
<td>Classification code C5, Tunnel restriction code (E)</td>
</tr>
<tr>
<td>ADG HAZCHEM CODE:</td>
<td>2R HIN: 80</td>
</tr>
</tbody>
</table>

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: 313 Chemicals:
Skin corrosion: None

Other national regulations: None
### 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
- 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.

### 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:

<table>
<thead>
<tr>
<th>Classification</th>
<th>Classification procedure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin Corr. 1B, H314</td>
<td>Calculation method</td>
</tr>
</tbody>
</table>

### Relevant H-statements:
- H227: Combustible liquid.
- H290: May be corrosive to metals.
- H302: Harmful if swallowed.
- H314: Causes severe skin burns and eye damage.
- H318: Causes serious eye damage.
- H319: Causes serious eye irritation.

### Hazard pictogram names:
- Corrosion, health hazard

### Further information:
- None

### Date of last revision:
- 9 December 2019

### Changes to the SDS in this revision:
- Complete change to represent new formulation.

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.