### Section 1 – Identification of the Material and Supplier

<table>
<thead>
<tr>
<th>Chemical nature:</th>
<th>Water solution of ingredients.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trade Name:</td>
<td>SPITFIRE ADVANCED</td>
</tr>
<tr>
<td>Product Use:</td>
<td>Carpet cleaning detergent as pre-spray extraction cleaning.</td>
</tr>
<tr>
<td>Creation Date:</td>
<td>August, 2013</td>
</tr>
<tr>
<td>This version issued:</td>
<td>September, 2016 and is valid for 5 years from this date.</td>
</tr>
</tbody>
</table>

### Section 2 – Hazards Identification

**GHS Pictogram**

- GHS05: Corrosion.

**GHS Signal word:** DANGER

**HAZARD CLASSIFICATION**

- Skin corrosion.
- Serious eye damage.

**HAZARD STATEMENT:**

- H314: Causes severe skin burns and eye damage.
- H319: Causes serious eye damage.

**PREVENTION**

- P102: Keep out of reach of children.
- P261: Avoid breathing fumes, mists, vapours or spray.
- P264: Wash contacted areas thoroughly after handling.
- P280: Wear protective gloves, protective clothing and eye or face protection.

**RESPONSE**

- P312: Call a POISON CENTRE or doctor if you feel unwell.
- P362: Take off contaminated clothing and wash before reuse.
- P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- P302+P352: IF ON SKIN: Wash with plenty of soap and water.
- P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P332+P313: If skin irritation occurs: Get medical advice.
- P337+P313: If eye irritation persists: Get medical advice.
- P391: Collect spillage.
- P370+P378: Not combustible. Use extinguishing media suited to burning materials.

**STORAGE**

- P402+P405: Store in a dry place. Store locked up.
- P403+P235: Store in a well-ventilated place. Keep cool.

**DISPOSAL**

- P501: Dispose of small quantities and empty containers by wrapping with paper and putting in garbage. For larger quantities, if recycling or reclaiming is not possible, use a commercial waste disposal service.
Emergency Overview

Physical Description & Colour: Reddish orange liquid.
Odour: Spicy fragrance.
Major Health Hazards: Causes severe skin burns and eye damage. Causes serious eye damage.

Potential Health Effects

Inhalation:
Short Term Exposure: Available data indicates that this product is not harmful. However product is an inhalation irritant. Symptoms may include headache, irritation of nose and throat and increased secretion of mucous in the nose and throat. Other symptoms may also become evident, but they should disappear after exposure has ceased.
Long Term Exposure: No data for health effects associated with long term inhalation.

Skin Contact:
Short Term Exposure: Available data indicates that this product is irritating to the skin. Irritation will continue until product is removed or neutralised. Severity depends on concentration and duration of exposure.
Long Term Exposure: No data for health effects associated with long term skin exposure.

Eye Contact:
Short Term Exposure: This product is a severe eye irritant. Symptoms may include stinging and reddening of eyes and watering which may become copious. Other symptoms such as swelling of eyelids and blurred vision may also become evident. If exposure is brief, symptoms should disappear once exposure has ceased. However, lengthy exposure or delayed treatment is likely to cause permanent damage.
Long Term Exposure: No data for health effects associated with long term eye exposure.

Ingestion:
Short Term Exposure: Significant oral exposure is considered to be unlikely. However, this product is a severe oral irritant. Symptoms may include extreme pain and reddening of skin in mouth and throat. Other symptoms such as blisters may also become evident, and may last long after exposure has ceased.
Long Term Exposure: No data for health effects associated with long term ingestion.

Carcinogen Status:
SWA: No significant ingredient is classified as carcinogenic by SWA.
NTP: No significant ingredient is classified as carcinogenic by NTP.
IARC: 2-butoxyethanol is Class 3 - unclassifiable as to carcinogenicity to humans.
See the IARC website for further details. A web address has not been provided as addresses frequently change.

Section 3 – Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>CAS No</th>
<th>Conc., %</th>
<th>TWA (mg/m³)</th>
<th>STEL (mg/m³)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dodecylbenzene Sulfonic Acid</td>
<td>27176-87-0</td>
<td>&lt;7</td>
<td>not set</td>
<td>not set</td>
</tr>
<tr>
<td>Alcohols, C12-15, ethoxylated</td>
<td>68131-39-5</td>
<td>&lt;4</td>
<td>not set</td>
<td>not set</td>
</tr>
<tr>
<td>Oleyl alcohol, ethoxylate, phosphate</td>
<td>39464-69-2</td>
<td>&lt;4</td>
<td>not set</td>
<td>not set</td>
</tr>
<tr>
<td>2-Butoxyethanol</td>
<td>111-76-2</td>
<td>&lt;10</td>
<td>96.9</td>
<td>242</td>
</tr>
<tr>
<td>Other non hazardous ingredients</td>
<td>various</td>
<td>&lt;10</td>
<td>not set</td>
<td>not set</td>
</tr>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>to 100</td>
<td>not set</td>
<td>not set</td>
</tr>
</tbody>
</table>

This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other non hazardous ingredients are also possible.
The SWA TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that may be equalled (but should not be exceeded) for no longer than 15 minutes and should not be repeated more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak" is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

Section 4 – First Aid Measures

General Information:

SAFETY DATA SHEET
Poisons Information Centre: 13 11 26 from anywhere in Australia, (0800) 764 766 in New Zealand
E.D. Oates Pty Ltd
13-21 Maygar Boulevard, Broadmeadows Vic 3047
Customer Service: 1300 669 686 | Website: www.oateslaboratories.com.au
Oates is a division of GUD Holdings Ltd

Inhalation: First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.

Skin Contact: Flush contaminated area with lukewarm, gently flowing water 10-20 minutes or until product is removed. Under running water, remove contaminated clothing, shoes and leather goods (e.g. watchbands and belts) and completely decontaminate them before reuse or discard. If irritation persists, repeat flushing and seek medical attention.

Eye Contact: Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for at least 15-20 minutes, by the clock, while holding the eyelid(s) open. Neutral saline solution may be used as soon as it is available. DO NOT INTERRUPT FLUSHING. Take care not to rinse contaminated water into the unaffected eye or onto face. Call a Poisons Information Centre or a doctor urgently. Take special care if exposed person is wearing contact lenses.

Ingestion: If product is swallowed or gets in mouth, do NOT induce vomiting; wash mouth with water and give some water to drink. If symptoms develop, or if in doubt contact a Poisons Information Centre or a doctor.

Section 5 – Fire Fighting Measures

Fire and Explosion Hazards: The major hazard in fires is usually inhalation of heated and toxic or oxygen deficient (or both), fire gases. There is no risk of an explosion from this product under normal circumstances if it is involved in a fire. Only small quantities of decomposition products are expected from this product at temperatures normally achieved in a fire. This will only occur after heating to dryness. Fire decomposition products from this product are not expected to be hazardous or harmful.

Extinguishing Media: Not combustible. Use extinguishing media suited to burning materials.

Fire Fighting: If a significant quantity of this product is involved in a fire, call the fire brigade.

Flash point: Does not burn.
Upper Flammability Limit: Does not burn.
Lower Flammability Limit: Does not burn.
Autoignition temperature: Not applicable - does not burn.
Flammability Class: Does not burn.

Section 6 – Accidental Release Measures

Accidental release: This product is sold in small packages, and the accidental release from one of these is not usually a cause for concern. For minor spills, clean up, rinsing to sewer and put empty container in garbage. Although no special protective clothing is normally necessary because of occasional minor contact with this product, it is good practice to wear impermeable gloves when handling chemical products. In the event of a major spill, prevent spillage from entering drains or water courses and call emergency services.

Section 7 – Handling and Storage

Handling: Keep exposure to this product to a minimum, and minimise the quantities kept in work areas. Check Section 8 of this SDS for details of personal protective measures, and make sure that those measures are followed. The measures detailed below under "Storage" should be followed during handling in order to minimise risks to persons using the product in the workplace. Also, avoid contact or contamination of product with incompatible materials listed in Section 10.

Storage: Store packages of this product in a cool place. Make sure that containers of this product are kept tightly closed. Make sure that the product does not come into contact with substances listed under "Incompatibilities" in Section 10. Some liquid preparations settle or separate on standing and may require stirring before use. Check packaging - there may be further storage instructions on the label.

Section 8 – Exposure Controls and Personal Protection

The following Australian Standards will provide general advice regarding safety clothing and equipment:


<table>
<thead>
<tr>
<th>SWA Exposure Limits</th>
<th>TWA (mg/m³)</th>
<th>STEL (mg/m³)</th>
</tr>
</thead>
</table>

SAFETY DATA SHEET

Poisons Information Centre: 13 11 26 from anywhere in Australia, (0800 764 766 in New Zealand)
Section 9 – Physical and Chemical Properties

Physical Description & colour: Reddish brown liquid.
Odour: Spicy fragrance.
Boiling Point: Approximately 100°C at 100kPa.
Freezing/Melting Point: Below 0°C.
Vapour Pressure: 2.37 kPa at 20°C (water vapour pressure).
Vapour Density: As for water.
Specific Gravity: 1.04
Water Solubility: Completely soluble in water.
pH: 8.50-9.50
Volatility: No data.
Odour Threshold: No data.
Evaporation Rate: As for water.
Coeff Oil/water Distribution: No data
Autoignition temp: Not applicable - does not burn.

Section 10 – Stability and Reactivity

Reactivity: This product is unlikely to react or decompose under normal storage conditions. However, if you have any doubts, contact the supplier for advice on shelf life properties.

Conditions to Avoid: This product should be kept in a cool place, preferably below 30°C. Keep containers tightly closed.

Incompatibilities: oxidising agents.

Fire Decomposition: Only small quantities of decomposition products are expected from this product at temperatures normally achieved in a fire. This will only occur after heating to dryness. Combustion forms carbon dioxide, and if incomplete, carbon monoxide and possibly smoke. Water is also formed. May form nitrogen and its compounds, and under some circumstances, oxides of nitrogen. Occasionally hydrogen cyanide gas in reducing atmospheres. Carbon monoxide poisoning produces headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgment, and unconsciousness followed by coma and death.

Polymerisation: This product will not undergo polymerisation reactions.

Section 11 – Toxicological Information

Local Effects: There is no data to hand indicating any particular target organs.

SAFETY DATA SHEET
Poisons Information Centre: 13 11 26 from anywhere in Australia, (0800 764 766 in New Zealand)
E.D. Oates Pty Ltd ABN 61 004 329 462
13-21 Maygar Boulevard, Broadmeadows Vic 3047
Customer Service: 1300 669 686 | Website: www.oateslaboratories.com.au
Oates is a division of GUD Holdings Ltd ABN 99 004 400 891
### Classification of Hazardous Ingredients

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Hazard Statements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dodecylbenzene Sulfonic Acid</td>
<td>H314: Causes sever skin burns &amp; eye damage.</td>
</tr>
<tr>
<td></td>
<td>H318: Causes serious eye damage.</td>
</tr>
<tr>
<td></td>
<td>H301: Toxic if swallowed.</td>
</tr>
<tr>
<td>Alcohols, C12-15, ethoxylated</td>
<td>H318: Causes serious eye damage.</td>
</tr>
<tr>
<td></td>
<td>H315: Causes skin irritation.</td>
</tr>
<tr>
<td>Oleyl alcohol, ethoxylate, phosphate</td>
<td>H314: Causes sever skin burns &amp; eye damage.</td>
</tr>
<tr>
<td></td>
<td>H318: Causes serious eye damage.</td>
</tr>
<tr>
<td>2-Butoxyethanol</td>
<td>H315: Causes skin irritation.</td>
</tr>
<tr>
<td></td>
<td>H319: Causes serious eye irritation.</td>
</tr>
</tbody>
</table>

### Section 12 – Ecological Information

Insufficient data to be sure of status.

### Section 13 – Disposal Considerations

**Disposal:** Dispose of small quantities and empty containers by wrapping with paper and putting in garbage. For larger quantities, if recycling or reclaiming is not possible, use a commercial waste disposal service.

### Section 14 – Transport Information

**ADG Code:** This product is not classified as a Dangerous Good. No special transport conditions are necessary unless required by other regulations.

### Section 15 – Regulatory Information

**AICS:** All of the significant ingredients in this formulation are compliant with NICNAS regulations. The following ingredient: 2-Butoxyethanol (as ethylene glycol monoalkyl ether), is mentioned in the SUSMP.

### Section 16 – Other Information

This SDS contains only safety-related information. For other data see product literature.

**Emergency Contact:** Phone 13 11 26 (Australia wide)

**Acronyms:**

- **ADG Code:** Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition)
- **AICS:** Australian Inventory of Chemical Substances
- **SWA:** Safe Work Australia, formerly ASCC and NOHSC
- **CAS number:** Chemical Abstracts Service Registry Number
- **Hazchem Code:** Emergency action code of numbers and letters that provide information to emergency services especially firefighters
- **IARC:** International Agency for Research on Cancer
- **NOS:** Not otherwise specified
- **NTP:** National Toxicology Program (USA)
- **R-Phrase:** Risk Phrase
- **SUSMP:** Standard for the Uniform Scheduling of Medicines & Poisons
- **UN Number:** United Nations Number

Please read all labels carefully before using product.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.
End of Safety Data Sheet