Section: 1. PRODUCT AND COMPANY IDENTIFICATION

Product name: OASIS 137 ORANGE FORCE

Other means of identification: Not applicable.

Recommended use: All Purpose Cleaner

Restrictions on use: Reserved for industrial and professional use.

Product dilution information: 3.13 % - 12.5 %

Company: Ecolab Co.
5105 Tomken Road
Mississauga, Ontario Canada L4W 2X5
1-800-352-5326

Emergency telephone number: 1-800-328-0026 (US/Canada), 1-651-222-5352 (outside US)

Issuing date: 06/08/2015

Section: 2. HAZARDS IDENTIFICATION

GHS Classification

Product AS SOLD
Eye irritation: Category 2B
Skin sensitization: Category 1

Product AT USE DILUTION
Not a hazardous substance or mixture.

GHS Label element

Product AS SOLD
Hazard pictograms:

Signal Word: Warning

Hazard Statements: May cause an allergic skin reaction. Causes eye irritation.

Precautionary Statements: Prevention:
Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray. Wash skin thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves.

Response:
IF ON SKIN: Wash with plenty of soap and water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation or rash occurs: Get medical advice/ attention. If eye irritation persists: Get medical advice/ attention. Wash contaminated clothing before reuse.

Disposal:
Dispose of contents/ container to an approved waste disposal plant.
SAFETY DATA SHEET

OASIS 137 ORANGE FORCE

Product AT USE DILUTION
Precautionary Statements

Prevention: Wash hands thoroughly after handling.
Response: Get medical advice/attention if you feel unwell.
Storage: Store in accordance with local regulations.

Product AS SOLD
Other hazards: None known.

Section: 3. COMPOSITION/INFORMATION ON INGREDIENTS

Product AS SOLD
Pure substance/mixture: Mixture

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No.</th>
<th>Concentration: (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>sodium dodecylbenzene sulfonate</td>
<td>25155-30-0</td>
<td>5 - 10</td>
</tr>
<tr>
<td>Sodium poly(oxyethylene) dodecyl ether sulfate</td>
<td>68585-34-2</td>
<td>1 - 5</td>
</tr>
<tr>
<td>Organic sulfonic acid salt</td>
<td>27323-41-7</td>
<td>1 - 5</td>
</tr>
<tr>
<td>d-Limonene</td>
<td>5989-27-5</td>
<td>0.1 - 1</td>
</tr>
</tbody>
</table>

Product AT USE DILUTION

No hazardous ingredients

Section: 4. FIRST AID MEASURES

Product AS SOLD
In case of eye contact: Rinse with plenty of water.
In case of skin contact: Wash off immediately with plenty of water for at least 15 minutes. Use a mild soap if available. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.
If swallowed: Rinse mouth. Get medical attention if symptoms occur.
If inhaled: Get medical attention if symptoms occur.
Protection of first-aiders: If potential for exposure exists refer to Section 8 for specific personal protective equipment.
Notes to physician: Treat symptomatically.
Most important symptoms and effects, both acute and delayed: See Section 11 for more detailed information on health effects and symptoms.

Product AT USE DILUTION
In case of eye contact: Rinse with plenty of water.
In case of skin contact: Rinse with plenty of water.
If swallowed: Rinse mouth. Get medical attention if symptoms occur.
If inhaled: Get medical attention if symptoms occur.
Section: 5. FIREFIGHTING MEASURES

Product AS SOLD

Suitable extinguishing media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media: None known.

Specific hazards during firefighting: Not flammable or combustible.

Hazardous combustion products: Decomposition products may include the following materials:
- Carbon oxides
- Nitrogen oxides (NOx)
- Sulphur oxides
- Oxides of phosphorus

Special protective equipment for firefighters: Use personal protective equipment.

Specific extinguishing methods: Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes.

Risk of explosion: Not available.

Section: 6. ACCIDENTAL RELEASE MEASURES

Product AS SOLD

Personal precautions, protective equipment and emergency procedures: Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8.

Environmental precautions: Do not allow contact with soil, surface or ground water.

Methods and materials for containment and cleaning up: Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

Product AT USE DILUTION

Personal precautions, protective equipment and emergency procedures: Refer to protective measures listed in sections 7 and 8.

Environmental precautions: No special environmental precautions required.

Methods and materials for containment and cleaning up: Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

Section: 7. HANDLING AND STORAGE
SAFETY DATA SHEET
OASIS 137 ORANGE FORCE

Product AS SOLD
Advice on safe handling : Do not get in eyes, on skin, or on clothing. Wash hands thoroughly after handling.

Conditions for safe storage : Keep out of reach of children. Store in suitable labeled containers.

Storage temperature : 0 °C to 50 °C

Product AT USE DILUTION
Advice on safe handling : Wash hands after handling. For personal protection see section 8.

Conditions for safe storage : Keep out of reach of children. Store in suitable labeled containers.

Section: 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Product AS SOLD
Components with workplace control parameters

<table>
<thead>
<tr>
<th>d-Limonene</th>
<th>5989-27-5</th>
<th>TWA</th>
<th>20 ppm</th>
<th>CAD AB OEL</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>111 mg/m3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Engineering measures : Effective exhaust ventilation system. Maintain air concentrations below occupational exposure standards.

Personal protective equipment

Eye protection : No special protective equipment required.

Hand protection : Wear the following personal protective equipment:
Standard glove type. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

Skin protection : No special protective equipment required.

Respiratory protection : No personal respiratory protective equipment normally required.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. Wash face, hands and any exposed skin thoroughly after handling.

Product AT USE DILUTION
Engineering measures : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Personal protective equipment

Eye protection : No special protective equipment required.

Hand protection : No special protective equipment required.

Skin protection : No special protective equipment required.

Respiratory protection : No personal respiratory protective equipment normally required.
### Section: 9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Product AS SOLD</th>
<th>Product AT USE DILUTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>liquid</td>
<td>liquid</td>
</tr>
<tr>
<td>Colour</td>
<td>clear, dark orange</td>
<td>light orange</td>
</tr>
<tr>
<td>Odour</td>
<td>citrus</td>
<td>citrus</td>
</tr>
<tr>
<td>pH</td>
<td>7.2 - 9.0, 100 %</td>
<td>7.0 - 8.3</td>
</tr>
<tr>
<td>Flash point</td>
<td>Not applicable.</td>
<td></td>
</tr>
<tr>
<td>Odour Threshold</td>
<td>no data available</td>
<td></td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td>no data available</td>
<td></td>
</tr>
<tr>
<td>Initial boiling point and boiling</td>
<td>no data available</td>
<td></td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>no data available</td>
<td></td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>no data available</td>
<td></td>
</tr>
<tr>
<td>Upper explosion limit</td>
<td>no data available</td>
<td></td>
</tr>
<tr>
<td>Lower explosion limit</td>
<td>no data available</td>
<td></td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>no data available</td>
<td></td>
</tr>
<tr>
<td>Relative vapour density</td>
<td>no data available</td>
<td></td>
</tr>
<tr>
<td>Relative density</td>
<td>1.006 - 1.036</td>
<td></td>
</tr>
<tr>
<td>Water solubility</td>
<td>no data available</td>
<td></td>
</tr>
<tr>
<td>Solubility in other solvents</td>
<td>no data available</td>
<td></td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>no data available</td>
<td></td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>no data available</td>
<td></td>
</tr>
<tr>
<td>Thermal decomposition</td>
<td>no data available</td>
<td></td>
</tr>
<tr>
<td>Viscosity, kinematic</td>
<td>no data available</td>
<td></td>
</tr>
<tr>
<td>Explosive properties</td>
<td>no data available</td>
<td></td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>no data available</td>
<td></td>
</tr>
<tr>
<td>Molecular weight</td>
<td>no data available</td>
<td></td>
</tr>
<tr>
<td>VOC</td>
<td>no data available</td>
<td></td>
</tr>
</tbody>
</table>

### Section: 10. STABILITY AND REACTIVITY

**Product AS SOLD**

- **Chemical stability**: Stable under normal conditions.
- **Possibility of hazardous reactions**: No dangerous reaction known under conditions of normal use.
- **Conditions to avoid**: None known.
- **Incompatible materials**: None known.
- **Hazardous decomposition products**: Decomposition products may include the following materials:
  - Carbon oxides
  - Nitrogen oxides (NOx)
SAFETY DATA SHEET

OASIS 137 ORANGE FORCE

Sulphur oxides
Oxides of phosphorus

Section: 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:
- Inhalation, Eye contact, Skin contact

Potential Health Effects

**Product AS SOLD**

**Eyes**
- Causes eye irritation.

**Skin**
- May cause allergic skin reaction.

**Ingestion**
- Health injuries are not known or expected under normal use.

**Inhalation**
- Health injuries are not known or expected under normal use.

**Chronic Exposure**
- Health injuries are not known or expected under normal use.

**Product AT USE DILUTION**

**Eyes**
- Health injuries are not known or expected under normal use.

**Skin**
- Health injuries are not known or expected under normal use.

**Ingestion**
- Health injuries are not known or expected under normal use.

**Inhalation**
- Health injuries are not known or expected under normal use.

**Chronic Exposure**
- Health injuries are not known or expected under normal use.

**Experience with human exposure**

**Product AS SOLD**

**Eye contact**
- Redness, Irritation

**Skin contact**
- Redness, Irritation, Allergic reactions

**Ingestion**
- No symptoms known or expected.

**Inhalation**
- No symptoms known or expected.

**Product AT USE DILUTION**

**Eye contact**
- No symptoms known or expected.

**Skin contact**
- No symptoms known or expected.

**Ingestion**
- No symptoms known or expected.

**Inhalation**
- No symptoms known or expected.

**Toxicity**

**Product AS SOLD**

**Acute oral toxicity**
- Acute toxicity estimate: > 5,000 mg/kg

**Acute inhalation toxicity**
- No data available

**Acute dermal toxicity**
- No data available
### SAFETY DATA SHEET

**OASIS 137 ORANGE FORCE**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin corrosion/irritation</td>
<td>no data available</td>
</tr>
<tr>
<td>Serious eye damage/eye irritation</td>
<td>Mild eye irritation</td>
</tr>
<tr>
<td>Respiratory or skin sensitization</td>
<td>no data available</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>no data available</td>
</tr>
<tr>
<td>Reproductive effects</td>
<td>no data available</td>
</tr>
<tr>
<td>Germ cell mutagenicity</td>
<td>no data available</td>
</tr>
<tr>
<td>Teratogenicity</td>
<td>no data available</td>
</tr>
<tr>
<td>STOT - single exposure</td>
<td>no data available</td>
</tr>
<tr>
<td>STOT - repeated exposure</td>
<td>no data available</td>
</tr>
<tr>
<td>Aspiration toxicity</td>
<td>no data available</td>
</tr>
</tbody>
</table>
| Acute dermal toxicity                         | Sodium poly(oxyethylene) dodecyl ether sulfate  
LD50 rat: > 2,000 mg/kg  
d-Limonene  
LD50 rabbit: > 5,000 mg/kg |

### Section: 12. ECOLOGICAL INFORMATION

**Product AS SOLD**

**Ecotoxicity**

| Environmental Effects                         | Harmful to aquatic life with long lasting effects. |

**Product**

| Toxicity to fish                              | no data available |
| Toxicity to daphnia and other aquatic invertebrates | no data available |
| Toxicity to algae                             | no data available |

**Components**

| Toxicity to fish                              | sodium dodecylbenzene sulfonate  
96 h LC50: 3.2 mg/l  
Sodium poly(oxyethylene) dodecyl ether sulfate  
96 h LC50 Fish: 28 mg/l  
Organic sulfonic acid salt  
96 h LC50: 2.5 mg/l |

**Persistence and degradability**

no data available

**Bioaccumulative potential**

no data available

**Mobility in soil**

no data available
SAFETY DATA SHEET

OASIS 137 ORANGE FORCE

Other adverse effects
no data available

Section: 13. DISPOSAL CONSIDERATIONS

Product AS SOLD
Disposal methods : The product should not be allowed to enter drains, water courses or the soil. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.

Disposal considerations : Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers. Dispose of in accordance with local, state, and federal regulations.

Product AT USE DILUTION
Disposal methods : Diluted product can be flushed to sanitary sewer.

Disposal considerations : Dispose of in accordance with local, state, and federal regulations.

Section: 14. TRANSPORT INFORMATION

Product AS SOLD

The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

Land transport (TDG)
Not dangerous goods

Sea transport (IMDG/IMO)
Not dangerous goods

Product AT USE DILUTION
Not intended for transport.

Section: 15. REGULATORY INFORMATION

This product has been classified according to the hazard criteria of the HPR and the SDS contains all of the information required by the HPR.

The components of this product are reported in the following inventories:

United States TSCA Inventory :
On TSCA Inventory

Canadian Domestic Substances List (DSL) :
This product contains one or several components listed in the Canadian NDSL.

Australia. Industrial Chemical (Notification and Assessment) Act :
not determined

New Zealand. Inventory of Chemicals (NZIoC), as published by ERMA New Zealand :
not determined
SAFETY DATA SHEET

OASIS 137 ORANGE FORCE

Japan. ENCS - Existing and New Chemical Substances Inventory: not determined

Japan. ISHL - Inventory of Chemical Substances (METI): not determined

Korea. Korean Existing Chemicals Inventory (KECI): not determined

Philippines Inventory of Chemicals and Chemical Substances (PICCS): not determined

China Inventory of Existing Chemical Substances: not determined

Section: 16. OTHER INFORMATION

Product AS SOLD

<table>
<thead>
<tr>
<th>NFPA:</th>
<th>Health</th>
<th>Flammability</th>
<th>Instability</th>
<th>Special hazard.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0</td>
<td>2</td>
<td>0</td>
<td></td>
</tr>
</tbody>
</table>

HMIS III:

<table>
<thead>
<tr>
<th>HEALTH</th>
<th>FLAMMABILITY</th>
<th>PHYSICAL HAZARD</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

0 = not significant, 1 = Slight, 2 = Moderate, 3 = High, 4 = Extreme, * = Chronic

Product AT USE DILUTION

<table>
<thead>
<tr>
<th>NFPA:</th>
<th>Health</th>
<th>Flammability</th>
<th>Instability</th>
<th>Special hazard.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0</td>
<td>0</td>
<td>0</td>
<td></td>
</tr>
</tbody>
</table>

HMIS III:

<table>
<thead>
<tr>
<th>HEALTH</th>
<th>FLAMMABILITY</th>
<th>PHYSICAL HAZARD</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

0 = not significant, 1 = Slight, 2 = Moderate, 3 = High, 4 = Extreme, * = Chronic

Issuing date: 06/08/2015
version: 1.0
Prepared by: Regulatory Affairs 1-800-352-5326

REVISED INFORMATION: Significant changes to regulatory or health information for this revision are indicated by a bar in the left-hand margin of the SDS.

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 a 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.