1. Product and Company Identification

Product identifier: Glisten Microwave Cleaner
Other means of identification: Not available
Recommended use: Cleaner
Recommended restrictions: None known.
Manufacturer information: Iron Out dba Summit Brands
6714 Pointe Inverness Way
Suite 200
Fort Wayne, IN 46804-7935 US
Phone: 260-483-2519
Emergency Phone: 1-800-424-9300 (CHEMTREC)
Supplier: See above.

2. Hazards Identification

Physical hazards: Not classified.
Health hazards: Serious eye damage/eye irritation, Category 2
Environmental hazards: Not classified.

WHMIS 2015 defined hazards: Not classified.
Label elements:

Signal word: Warning
Hazard statement: Causes serious eye irritation.
Precautionary statement:
Prevention: Wash thoroughly after handling. Wear eye protection.
Response: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
Storage: Store away from incompatible materials.
Disposal: Dispose of container in accordance with local, regional, national and international regulations.

WHMIS 2015: Health Hazard(s) not otherwise classified (HHNOC): None known
WHMIS 2015: Physical Hazard(s) not otherwise classified (PHNOC): None known
Hazard(s) not otherwise classified (HNOC): None known.
Supplemental information: Not applicable.

3. Composition/Information on Ingredients

Mixture

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Common name and synonyms</th>
<th>CAS number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium dodecylbenzene sulfonate</td>
<td></td>
<td>25155-30-0</td>
<td>1-5*</td>
</tr>
</tbody>
</table>

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

Composition comments: US GHS: The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.
*CANADA GHS: The exact percentage (concentration) of composition has been withheld as a trade secret.

4. First Aid Measures

Inhalation: If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.
Skin contact
Flush with cool water. Wash with soap and water. Obtain medical attention if irritation persists.

Eye contact
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

Ingestion
Rinse mouth. Do not induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Never give anything by mouth if victim is unconscious or is convulsing. Obtain medical attention.

Most important symptoms/effects, acute and delayed
Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause redness and pain.

Indication of immediate medical attention and special treatment needed
Provide general supportive measures and treat symptomatically. Symptoms may be delayed.

General information
Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. If you feel unwell, seek medical advice (show the label where possible). Show this safety data sheet to the doctor in attendance. Avoid contact with eyes and skin. Wear rubber gloves and safety glasses with side shields. Keep out of reach of children.

5. Fire Fighting Measures

Suitable extinguishing media
Dry chemical, CO2, water spray or regular foam.

Unsuitable extinguishing media
Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical
Firefighters should wear a self-contained breathing apparatus.

Special protective equipment and precautions for firefighters
Firefighters should wear full protective clothing including self-contained breathing apparatus.

Fire-fighting equipment/instructions
Move containers from fire area if you can do so without risk.

Specific methods
Use standard firefighting procedures and consider the hazards of other involved materials.

General fire hazards
No unusual fire or explosion hazards noted.

Hazardous combustion products
May include and are not limited to: Oxides of sulphur. Oxides of carbon.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures
Keep unnecessary personnel away. Keep out of low areas. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up
Stop the flow of material, if this is without risk.

Large Spills: Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Environmental precautions
Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

Avoid discharge into drains, water courses or onto the ground. Do not discharge into lakes, streams, ponds or public waters.

7. Handling and Storage

Precautions for safe handling
Avoid contact with eyes, skin and clothing. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Wash thoroughly after handling. Use good industrial hygiene practices in handling this material.

Conditions for safe storage, including any incompatibilities
Store in a closed container away from incompatible materials. Store away from incompatible materials (see Section 10 of the SDS). Keep out of reach of children.

8. Exposure Controls/Personal Protection

Occupational exposure limits
No exposure limits noted for ingredient(s).

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

Appropriate engineering controls
Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.
Individual protection measures, such as personal protective equipment

**Eye/face protection**
Wear safety glasses with side shields (or goggles).

**Skin protection**

**Hand protection**
Rubber gloves. Confirm with a reputable supplier first.

**Other**
Wear appropriate chemical resistant clothing. As required by employer code.

**Respiratory protection**
Where exposure guideline levels may be exceeded, use an approved NIOSH respirator. Respirator should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134), CAN/CSA-Z94.4 and ANSI's standard for respiratory protection (Z88.2).

**Thermal hazards**
Not applicable.

**General hygiene considerations**
Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Wash hands before breaks and immediately after handling the product. When using do not eat or drink.

### 9. Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Clear Liquid saturated on sponge</td>
</tr>
<tr>
<td>Physical state</td>
<td>Liquid.</td>
</tr>
<tr>
<td>Form</td>
<td>Liquid</td>
</tr>
<tr>
<td>Color</td>
<td>Colorless</td>
</tr>
<tr>
<td>Odor</td>
<td>Citrus</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>Not available.</td>
</tr>
<tr>
<td>pH</td>
<td>3 - 3.5</td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td>Not available.</td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>Not available.</td>
</tr>
<tr>
<td>Pour point</td>
<td>Not available.</td>
</tr>
<tr>
<td>Specific gravity</td>
<td>Not available.</td>
</tr>
<tr>
<td>Partition coefficient</td>
<td>Not available.</td>
</tr>
<tr>
<td>(n-octanol/water)</td>
<td>Not available.</td>
</tr>
<tr>
<td>Flash point</td>
<td>Not available.</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Not available.</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Upper/lower flammability or explosive limits</td>
<td></td>
</tr>
<tr>
<td>Flammability limit - lower (%)</td>
<td>Not available.</td>
</tr>
<tr>
<td>Flammability limit - upper (%)</td>
<td>Not available.</td>
</tr>
<tr>
<td>Explosive limit - lower (%)</td>
<td>Not available.</td>
</tr>
<tr>
<td>Explosive limit - upper (%)</td>
<td>Not available.</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>Not available.</td>
</tr>
<tr>
<td>Vapor density</td>
<td>Not available.</td>
</tr>
<tr>
<td>Relative density</td>
<td>1.01</td>
</tr>
<tr>
<td>Solubility(ies)</td>
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</tr>
<tr>
<td>Auto-ignition temperature</td>
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</tr>
<tr>
<td>Decomposition temperature</td>
<td>Not available.</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Not available.</td>
</tr>
</tbody>
</table>

### 10. Stability and Reactivity

**Reactivity**
Reacts vigorously with alkaline material.

**Possibility of hazardous reactions**
Hazardous polymerization does not occur.

**Chemical stability**
Stable under recommended storage conditions.

**Conditions to avoid**
Do not mix with other chemicals.

**Incompatible materials**
Caustics. Reducing agents.

**Hazardous decomposition products**
May include and are not limited to: Oxides of sulphur. Oxides of carbon.
11. Toxicological Information

Routes of exposure: Eye, Skin contact, Inhalation, Ingestion.

Information on likely routes of exposure:
- **Ingestion**: Health injuries are not known or expected under normal use.
- **Inhalation**: No adverse effects due to inhalation are expected.
- **Skin contact**: No adverse effects due to skin contact are expected.
- **Eye contact**: Causes serious eye irritation.

Symptoms related to the physical, chemical and toxicological characteristics:

Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

Information on toxicological effects:

<table>
<thead>
<tr>
<th>Acute toxicity</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Components</strong></td>
<td><strong>Species</strong></td>
<td><strong>Test Results</strong></td>
</tr>
<tr>
<td>Sodium dodecylbenzene sulfonate (CAS 25155-30-0)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dermal</td>
<td>LD50</td>
<td>Rat</td>
</tr>
<tr>
<td></td>
<td>LC50</td>
<td>Not available</td>
</tr>
<tr>
<td>Inhalation</td>
<td>LD50</td>
<td>Rat</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **Skin corrosion/irritation**: Causes skin irritation.
- **Exposure minutes**: Not available.
- **Erythema value**: Not available.
- **Oedema value**: Not available.
- **Serious eye damage/eye irritation**: Causes serious eye irritation.
  - **Corneal opacity value**: Not available.
  - **Iris lesion value**: Not available.
  - **Conjunctival reddening value**: Not available.
  - **Conjunctival oedema value**: Not available.
  - **Recover days**: Not available.

- **Respiratory or skin sensitization**:
  - **Canada - Alberta OELs**: Irritant
  - **Glycerol (CAS 56-81-5)**: Irritant
  - **Respiratory sensitization**: Not available.
  - **Skin sensitization**: This product is not expected to cause skin sensitization.

- **Mutagenicity**: Non-hazardous by WHMIS/OSHA criteria.
- **Carcinogenicity**: Non-hazardous by WHMIS/OSHA criteria.


- **Reproductive toxicity**: Non-hazardous by WHMIS/OSHA criteria.
- **Teratogenicity**: Non-hazardous by WHMIS/OSHA criteria.
- **Specific target organ toxicity - single exposure**: Not classified.
- **Specific target organ toxicity - repeated exposure**: Not classified.
- **Aspiration hazard**: Not available.
- **Chronic effects**: Prolonged inhalation may be harmful.

12. Ecological Information

Ecotoxicity: See below
Ecotoxicological data

Components Test Results

Species

Sodium dodecylbenzene sulfonate (CAS 25155-30-0)

Aquatic

Crustacea

EC50 Water flea (Ceriodaphnia dubia) 3.26 - 14.51 mg/L, 48 hours

Fish

LC50 Rainbow trout, donaldson trout (Oncorhynchus mykiss) 3.2 - 5.6 mg/L, 96 hours

Persistence and degradability

No data is available on the degradability of this product.

Bioaccumulative potential

No data available.

Mobility in soil

Not available.

Mobility in general

Not available.

Other adverse effects

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal Considerations

Disposal instructions

Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.

Local disposal regulations

Dispose in accordance with all applicable regulations.

Hazardous waste code

The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Waste from residues / unused products

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging

Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport Information

Transport of Dangerous Goods (TDG) Proof of Classification

Classification Method: Classified as per Part 2, Sections 2.1 – 2.8 of the Transportation of Dangerous Goods Regulations. If applicable, the technical name and the classification of the product will appear below.

U.S. Department of Transportation (DOT)

Not regulated as dangerous goods.

Transportation of Dangerous Goods (TDG - Canada)

Not regulated as dangerous goods.

15. Regulatory Information

Canadian federal regulations

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (SOR/2015-17) and the SDS contains all the information required by the HPR.

Export Control List (CEPA 1999, Schedule 3)

Not listed.

Greenhouse Gases

Not listed.

Precursor Control Regulations

Not regulated.

WHMIS 2015 Exemptions

Not applicable

US federal regulations

This product is a “Hazardous Chemical” as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Sodium dodecylbenzene sulfonate (CAS 25155-30-0) Listed.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Immediate Hazard - Yes
Delayed Hazard - No
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No
SARA 302 Extremely hazardous substance  No
SARA 311/312 Hazardous chemical  No
SARA 313 (TRI reporting)  Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List
Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)
Not regulated.

US state regulations

US - California Hazardous Substances (Director’s): Listed substance
Sodium dodecylbenzene sulfonate (CAS 25155-30-0) Listed.

Sodium dodecylbenzene sulfonate (CAS 25155-30-0)

US - Louisiana Spill Reporting: Listed substance
Sodium dodecylbenzene sulfonate (CAS 25155-30-0) Listed.

US - Minnesota Haz Subs: Listed substance
Glycerol (CAS 56-81-5) Listed.

US - New Jersey RTK - Substances: Listed substance
Glycerol (CAS 56-81-5)
Sodium dodecylbenzene sulfonate (CAS 25155-30-0)

US - Texas Effects Screening Levels: Listed substance
Alcohols, C9-11, ethoxylated (CAS 68439-46-3) Listed.
Cocamido propyl betaine (CAS 61789-40-0) Listed.
Glycerol (CAS 56-81-5) Listed.
Sodium dodecylbenzene sulfonate (CAS 25155-30-0) Listed.

US - Massachusetts RTK - Substance List
Glycerol (CAS 56-81-5)
Sodium dodecylbenzene sulfonate (CAS 25155-30-0)

US - New Jersey Worker and Community Right-to-Know Act
Not regulated.

US - Pennsylvania Worker and Community Right-to-Know Law
Glycerol (CAS 56-81-5)
Sodium dodecylbenzene sulfonate (CAS 25155-30-0)

US - Rhode Island RTK
Glycerol (CAS 56-81-5)

US - California Proposition 65
Not Listed.

Inventory status

<table>
<thead>
<tr>
<th>Country(s) or region</th>
<th>Inventory name</th>
<th>On inventory (yes/no)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Canada</td>
<td>Domestic Substances List (DSL)</td>
<td>Yes</td>
</tr>
<tr>
<td>Canada</td>
<td>Non-Domestic Substances List (NDSL)</td>
<td>No</td>
</tr>
<tr>
<td>United States &amp; Puerto Rico</td>
<td>Toxic Substances Control Act (TSCA) Inventory</td>
<td>Yes</td>
</tr>
</tbody>
</table>

*"Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

16. Other Information

<table>
<thead>
<tr>
<th>PERSONAL PROTECTION</th>
<th>PHYSICAL HAZARD</th>
<th>FLAMMABILITY</th>
<th>HEALTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>X</td>
<td>0</td>
<td>0</td>
<td>1</td>
</tr>
</tbody>
</table>

Legend:

Severe 4
Serious 3
Moderate 2
Slight 1
Minimal 0
The data contained in this material safety data sheet was obtained from sources that were technically accurate, reliable, and state of the art when this document was prepared. If data was unavailable to complete certain sections, the absence of that data is identified in this document. Because the supplier cannot know the exact circumstances during actual use of this product, other hazards, exposure scenarios, disposal considerations, and regulations may apply and it is the responsibility of the user to read and understand the product label and this document before use. Do not use the product for purposes other than those stated in Section 1.

**Issue date**  
30-November-2018

**Version #**  
02

**Effective date**  
06-July-2018

**Prepared by**  
Dell Tech Laboratories Ltd.  Phone: (519) 858-5021

**Other information**  
For an updated SDS, please contact the supplier/manufacturer listed on the first page of the document.

Redbook revision # 6, 12/19/16