1. **Product and Company Identification**

1.1 **Product Identifier**
Product Name: Turtle Wax Clean & Shine Total Exterior Detailer (Non-Aerosol Spray)
Product Code (SKU): T565 (50576)

1.2 **Relevant Identified Uses Of The Substance**
Product Use: Automotive Wax, Polish, Sealant & Glaze - Instant Detailer

1.3 **Details of the Supplier of the SDS**
Company Name: Turtle Wax, Inc.
Street Address: 2250 W. Pinehurst Blvd., Suite 150
City, State, Zip Code: Addison, Illinois  60101

1.4 **Emergency Telephone Numbers**
Phone Number: 1(630)455-3700
Fax Number: 1(630)455-3868
Transportation: 1(800)424-9300 (CHEMTREC)
Medical Assistance: Call your local Poison Control Center

2. **Hazard Identification:**

2.1 **Classification of the Substance or Mixture**
Hazard Classification: not classified

2.2 **Label Elements**
Pictogram: not required
Signal Word: none
Hazard Statement: none
Precautionary Statement: none

2.3 **Other Hazards**
Description of additional HNOC: none

3. **Information on Ingredients:**

3.1 **Substance**
not applicable

3.2 **Mixture**

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS Number</th>
<th>Concentration (wt%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>&gt;95%</td>
</tr>
<tr>
<td>Isopropyl Alcohol</td>
<td>67-63-0</td>
<td>&lt;0.1%</td>
</tr>
<tr>
<td>Quaternary Ammonium Compounds</td>
<td>61789-77-3</td>
<td>&lt;1.00%</td>
</tr>
<tr>
<td>Cocamidopropyl Betaine</td>
<td>61789-40-0</td>
<td>&lt;1.0%</td>
</tr>
</tbody>
</table>
4. **First Aid Measures:**

**4.1 Description of First Aid Measures**

- **Inhalation:** Remove to fresh air and promote deep breathing. Get medical attention if effects persist.
- **Skin:** In case of skin contact, wash thoroughly with soap and water. If irritation persists, get medical attention.
- **Eyes:** In case of eye contact, immediately flush eyes with plenty of water. Remove contact lenses if worn. If irritation persists, get medical attention.
- **Ingestion:** If swallowed, do not induce vomiting. Never give anything by mouth to an unconscious person. Give water to drink if conscious. Get medical attention if effects persist.

**4.2 Most important symptoms and effects – acute and chronic**

- **Inhalation:** May cause respiratory tract irritation.
- **Skin:** May cause skin irritation. May cause drying, cracking, or mild dermatitis.
- **Eyes:** May cause temporary and eye irritation.
- **Ingestion:** May cause stomach distress, nausea, and vomiting.

**4.3 Indication of any immediate medical attention and special treatment**

Symptoms may not appear immediately. Seek medical attention if effects persist and you feel unwell.

5. **Fire Fighting Measures:**

**5.1 Extinguishing media**

Water spray, carbon dioxide, dry chemical, and alcohol foam

**5.2 Special hazards arising from the substance or mixture**

CO₂, CO, and hydrocarbons

**5.3 Advice for Fire Fighters**

Keep up wind of fire. Wear full firefighting turn out gear (full bunker gear) and respiratory protection (SCBA). See Section 8 for personal protection.

6. **Accidental Release Measures:**

**6.1 Personal precautions, protective equipment, and emergency procedures**

Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

**6.2 Methods and materials for containment and clean up**

For **containment:** Contain and absorb spill with inert material. Place in suitable container for disposal. Spilled material may be slippery.

For **clean up:** Take up material and place in a suitable container. Provide adequate ventilation. Spilled material may be slippery.
7. Handling and Storage

7.1 Precautions for safe handling
Avoid contact with skin and eyes. Do not swallow. Do not eat, drink or smoke while handling. Wash hands with soap and water after handling. Launder all clothing and foot wear before re-use.

7.2 Conditions for safe storage including incompatibilities
Keep out of reach of children. Keep container tightly closed. Store in a well ventilated place. Do not store above 49°C (120°F).

7.3 Specific end uses
Shelf Life: Shelf life is considered to be 7 – 10 years when properly stored and kept closed.

8. Exposure Control/Personal Protection:

8.1 Control parameters

<table>
<thead>
<tr>
<th>Exposure Limits</th>
<th>8 hr TWA:</th>
<th>(OSHA PEL)</th>
<th>(ACGIH TWA)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>not applicable</td>
<td>not applicable</td>
<td></td>
</tr>
<tr>
<td>Isopropyl Alcohol</td>
<td>400 ppm</td>
<td>200 ppm</td>
<td></td>
</tr>
<tr>
<td>Quaternary Ammonium Compounds</td>
<td>not applicable</td>
<td>not applicable</td>
<td></td>
</tr>
<tr>
<td>Cocamidopropyl Betaine</td>
<td>not applicable</td>
<td>not applicable</td>
<td></td>
</tr>
<tr>
<td>C9-C11 Alcohol Ethoxylate</td>
<td>not applicable</td>
<td>not applicable</td>
<td></td>
</tr>
</tbody>
</table>

8.2 Exposure controls
Use adequate ventilation to keep exposure below recommended limits. Ensure that eye wash station and safety shower are close to work station.

Hand Protection Equipment: Wear chemical resistant gloves and clothing to prevent skin contact.
Eye Protection Equipment: Wear safety glasses or splash goggles to prevent eye contact.
Skin and Body Protection: Wear suitable protective clothing.
Respiration/Ventilation Protection Requirements: Provide good ventilation.
Ingestion Protection Requirements: Do not eat, drink or smoke while handling. Wash hands with soap and water after handling. Launder all clothing and foot wear before re-use.

9. Physical And Chemical Properties:

9.1 Information of basic chemical and physical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical Form</td>
<td>Thin Liquid</td>
</tr>
<tr>
<td>Color</td>
<td>Translucent Opaque</td>
</tr>
<tr>
<td>Odor</td>
<td>Forest Fresh</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>not available</td>
</tr>
<tr>
<td>pH</td>
<td>5.0</td>
</tr>
<tr>
<td>Melting Point/Freeze Point</td>
<td>0°C (32°F) – Based on Water</td>
</tr>
<tr>
<td>Initial Boiling Point</td>
<td>100°C (212°F) – Based on Water</td>
</tr>
<tr>
<td>Flash Point (Seta Closed Cup)</td>
<td>&gt;93°C (200°F)</td>
</tr>
<tr>
<td>Flammability Limits:</td>
<td>Explosive Limits: Upper: not available  Lower: 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>Vapor Pressure:</td>
<td>not available</td>
</tr>
</tbody>
</table>
Vapor Density: not available
Specific Gravity: 0.995
Solubility in Water: Dispersible
Auto Ignition Temperature: not available
Partition Coefficient (n/octanol/water): not available
Viscosity: Water Thin

9.2 Other information

% NVM by Weight: 0.4%
% VOC Content (California): 0.2%

10. Stability and Reactivity:

10.1 Reactivity
Does not react under normal conditions

10.2 Chemical stability
Stable

10.3 Possibility of hazardous reactions
Does not react under normal conditions

10.4 Conditions to avoid
Heat and incompatible materials

10.5 Incompatible materials
Strong oxidizers such as bleach and peroxides

10.6 Hazardous decomposition products
CO₂, CO and hydrocarbons

11. Toxicological Information:

11.1 Information on Toxicological effects

Turtle Wax Clean & Shine Total Exterior Detailer (Non-Aerosol Spray)
LD50 – Oral Rat >2000 mg/Kg
LD50 – Dermal Rat >2000 mg/Kg
LC50 – Inhalation Rat >20 mg/L (4 hr)

Isopropyl Alcohol (67-63-0)
LD50 – Oral Rat 4396 mg/Kg
LD50 – Dermal Rat 12800 mg/Kg
LC50 – Inhalation Rat 72.6 mg/L (4 hr)

C9-C11 Alcohol Ethoxylate (68439-46-3)
LD50 – Oral Rat 1368 mg/Kg
LD50 – Dermal Rat >2000 mg/Kg

Cocamidopropyl Betaine (61789-40-0)
LD50 – Oral Rat 2335 mg/Kg
LD50 – Dermal Rabbit >2000 mg/Kg

Skin corrosion/irritation Based on available data, classification data are not met
Serious eye damage/irritation Based on available data, classification data are not met
Respiratory or skin sensitization Based on available data, classification data are not met
Germ cell mutagenicity Based on available data, classification data are not met
Carcinogenicity Based on available data, classification data are not met
Isopropyl alcohol IARC Group 3
Reproductive toxicity Based on available data, classification data are not met
Specific target organs – single exposure Based on available data, classification data are not met
Specific target organs – repeated exposure Based on available data, classification data are not met
Aspiration hazard Based on available data, classification data are not met
Symptoms/injuries after inhalation May cause respiratory tract irritation
Symptoms/injuries after skin contact May cause skin irritation. May cause drying, cracking, or mild dermatitis.
Symptoms/injuries after eye contact May cause temporary eye irritation. Symptoms may include discomfort, excessive blinking, and tearing.
Symptoms/injuries after ingestion May be harmful if swallowed. May cause stomach distress, nausea, and vomiting.

12. Ecological Information:

12.1 Toxicity
Not recommended for release into aquatic systems without treatment

12.2 Persistence and degradability
Not established

12.3 Bioaccumulative potential
Not established

12.4 Mobility in soil
Not established

12.5 Other adverse effects
None known

13. Disposal Considerations:

13.1 Waste treatment methods
RCRA Hazardous Waste: Not regulated as a hazardous waste
Waste Disposal Method: Dispose of in accordance with local, state and federal regulations
Waste Disposal Vessel: Plastic or metal drums.

14. Transportation Information:

14.1 UN number
None - not regulated as a hazardous material

14.2 UN Proper shipping name
None

14.3 Transport Hazard class
Not applicable

14.4 Packaging group
Not applicable
14.5 Marine Pollutant
No

14.6 Transportation in Bulk
Not applicable

14.7 Special precautions
None

15. Regulatory Information:

15.1 US Federal Regulations

TSCA Status: All ingredients are commercially available and listed by the manufacturer under TSCA.

15.2 Foreign Regulations

Canadian Status: All materials contained in this product are listed on the Canadian Domestic Substance List (DSL). Consult Turtle Wax, Inc. regarding status of ingredients.

European Union: All materials contained in this product are listed on EINECS.

AICS: All materials are registered for AICS (Australia)

15.3 State Regulations

State Regulatory Information:

The following chemicals are specifically listed by individual states; other product specific health and safety data in other sections of the SDS may also be applicable for state requirements. For details on your regulatory requirements, contact the appropriate agency in your state.

California Prop 65:

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Concentration</th>
<th>State Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

15.4 HMIS & NFPA Classifications

HMIS Classification: Health 1, Flammability 1, Reactivity 0

NFPA Classification: Health 1, Flammability 1, Reactivity 0

16. Other Information:

Reason For Issue Updates - Product Name and Supplier Address

Prepared By James Heidel

Preparer’s Title Technical Director, R&D
This information is, to the best of Turtle Wax, Inc.'s knowledge and belief, accurate and reliable. However, no representation, warranty, or guarantee is made to its accuracy, reliability or completeness. It is the user’s responsibility to satisfy oneself as to the suitableness and completeness of such information for their own particular use.