SAFETY DATA SHEET

1. Product and Company Identification

1.1 Product Identifier
Product Name: Turtle Wax Tire Foam ‘N’ Shine
Product Code (SKU): T49R1 (50378)

1.2 Relevant Identified Uses Of The Substance
Product Use: Rubber & Vinyl Protectant - (Aerosol)

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, IL 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: Flammable aerosol 2
Gas under pressure – Liquified Gas

2.2 Label Elements

Pictogram:

Signal Word: Warning
Precautionary Statement: Keep away from heat, sparks, open flames, and hot surfaces. Do not spray on an open flame or other ignition source. Pressurized container; Do not puncture or incinerate even when empty. Do not store in direct sunlight. Do not expose to temperatures exceeding 49°C(120°F). Store in a cool well ventilated place.

2.3 Other Hazards
Description of additional HNOC: Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

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>75–85%</td>
</tr>
<tr>
<td>Isobutane</td>
<td>75-28-5</td>
<td>5–10%</td>
</tr>
<tr>
<td>Propane</td>
<td>74-98-6</td>
<td>1–5%</td>
</tr>
<tr>
<td>Polydimethyl Siloxane</td>
<td>63148-62-9</td>
<td>5–10%</td>
</tr>
<tr>
<td>Sodium Nitrite</td>
<td>7632-00-0</td>
<td>&lt;0.2%</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. Get medical attention if effects persist.

4.2 Most important symptoms and effects – acute and chronic

**Inhalation:** May cause respiratory tract irritation. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

**Skin:** May cause skin irritation. May cause drying, cracking, or mild dermatitis.

**Eyes:** May cause temporary 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

Flammable Aerosol; Byproducts may include 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 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. Aerosols have been proven to last much longer.

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>Isobutane (75-28-5)</td>
<td>not applicable</td>
<td>1000 ppm</td>
<td>1000 ppm</td>
</tr>
<tr>
<td>Propane (74-98-6)</td>
<td>1000 ppm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Polymethyl Siloxane (63148-62-9)</td>
<td>not applicable</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sodium Nitrite (7632-00-0)</td>
<td>not applicable</td>
<td></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 before re-use.

9. Physical And Chemical Properties:

9.1 Information of chemical and physical properties

Physical Form: gas / pressurized liquid 
Color: translucent to white 
Odor: typical 
Odor Threshold: not available 
PpH: 8.6 (liquid phase) 
Melting Point/Freeze Point: 0°C (32°F) – Based on Water 
Initial Boiling Point: 100°C (212°F) – Based on Water 
Flash Point (Seta Closed Cup): >93°C (200°F) 
Flammability Limits: Explosive Limits: Upper: not available Lower: not available 
Evaporation Rate: not available 
Flammability Solid/Gas: not applicable 
Vapor Pressure: not available 
Vapor Density: not available 
Specific Gravity: 0.998 (liquid phase) 
Solubility in Water: dispersible 
Auto Ignition Temperature: not available 
Partition coefficient (n/octonol/water): not available 
Viscosity: water thin

9.2 Other information

%NVM by Weight: 7.3% 
%VOC Content (California): 9.7%

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 Tire Foam 'N' Shine
LD50 – Oral Rat  >2000 mg/Kg
LD50 – Dermal Rabbit >2000 mg/Kg
LC50 – Inhalation Rat >5 mg/L (4 hr)

Isobutane (75-28-5)
LD50 – Inhalation Rat  658 mg/L (4hr)

Propane (76-98-6)
LD50 – Inhalation Rat  658 mg/L(4hr)

Sodium Nitrite (7632-00-0)
LD50 – Oral Rat  180 mg/Kg
LC50 – Inhalation Rat  5.5 mg/L (4 hr)

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

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. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.
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, redness, excess 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:** Product is regulated as a hazardous waste – D001 Ignitable.

**Waste Disposal Method:** Dispose of in accordance with local, state and federal regulations.

**Waste Disposal Vessel:** Plastic or metal drums. Dispose of un-used aerosol cans through a registered aerosol recycler.

14. **Transportation Information:**

14.1 **UN number**
1950

14.2 **UN Proper shipping name**
Aerosol - Flammable

14.3 **Transport Hazard class**
2.1

14.4 **Packaging group**
Not applicable

14.5 **Marine Pollutant**
No

14.6 **Transportation in Bulk**
Not applicable

14.7 **Special precautions**
NFPA (34b) Level 1 Aerosol

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: 2
- Reactivity: 0

NFPA Classification:
- Health: 1
- Flammability: 2
- Reactivity: 0

16. Other Information:

- Reason For Issue: Address Update
- Prepared By: James Heidel
- Preparer’s Title: Technical Director, R&D
- SDS Administrator: Jean Mayszak - Technical Compliance Manager, R&D
- Approval Date: January 27, 2017
- Supersedes Date: November 21, 2014
- Revision Number: A – 6

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.