



**TURTLE WAX, INC.**  
**2250 W. Pinehurst Blvd., STE 150**  
**Addison, IL 60101**

## **SAFETY DATA SHEET**

Turtle Wax Nano-Tech  
FORMULA F-21 TIRE  
FOAM-E-SHINE CLEANER

### **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 – Liquefied Gas

#### **2.2 Label Elements**



Pictogram:

Signal Word: Warning

Hazard Statement:

Flammable aerosol. Contains gas under pressure. May explode if heated.

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**

<u>Component</u>	<u>CAS Number</u>	<u>Concentration (wt%)</u>
Water	7732-18-5	75-85%
Isobutane	75-28-5	5-10%
Propane	74-98-6	1-5%
Polydimethyl Siloxane	63148-62-9	5-10%
Sodium Nitrite	7632-00-0	<0.2%

**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 CO<sub>2</sub>, 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

<u>Exposure Limits</u>	<u>8 hr TWA:</u>	<u>(OSHA PEL)</u>	<u>(ACGIH TWA)</u>
Isobutane (75-28-5)		not applicable	1000 ppm
Propane (74-98-6)		1000 ppm	1000 ppm
Polydimethyl Siloxane (63148-62-9)		not applicable	not applicable
Sodium Nitrite (7632-00-0)		not applicable	not applicable

### 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 basic chemical and physical properties

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

### 9.2 Other information

<b>%NVM by Weight:</b>	7.3%
<b>%VOC Content (California):</b>	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

CO<sub>2</sub>, 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

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:  
Waste Disposal Method:**

Product is regulated as a hazardous waste – D001 Ignitable.  
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:**

<u>CAS Number</u>	<u>Concentration</u>	<u>State Code</u>
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None

**15.4 HMIS & NFPA Classifications**

HMIS Classification:	Health	1
	Flammability	2
	Reactivity	0

NFPA Classification:	Health	1
	Flammability	2
	Reactivity	0

**16. Other Information:**

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

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