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

# SAFETY DATA SHEET

## 1. Product and Company Identification

### 1.1 Product Identifier

| | |
|---|---|
| Product Name: | Turtle Wax Power Foam Bug & Tar (Aerosol) |
| Product Code (SKU): | 50595 (US), 50605 (CAN) |

### 1.2 Relevant Identified Uses Of The Substance

| | |
|---|---|
| Product Use: | Bug & Tar Remover |

### 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:

Gas Under Pressure – Liquified Gas
Acute Toxic 4 (Inhalation)
Flammable Aerosol 2
Skin Irritation 2
Eye Irritation 2B

### 2.2 Label Elements

Pictogram:

Signal Word: Warning

Hazard Statement: Contains gas under pressure; May explode if heated. Flammable Aerosol. Harmful if inhaled. Causes skin and eye irritation.

Precautionary Statement: Keep away from heat, sparks, hot surfaces or open flames. Do not smoke or spray near open flame or source of ignition. Pressurized container: Do not puncture or incinerate. Avoid breathing fumes, gas, or vapors. Use in well ventilated area. Wash hands thoroughly after use. Remove contaminated clothing and launder before re-use.

If in eyes, rinse thoroughly with water for 15 minutes. Remove contact lenses if possible. If eye or skin irritation persists, seek medical attention. Do not store in direct sunlight or at temperatures above 50°C (122°F). Store in a 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**

| Component | CAS Number | Concentration (wt%) |
|---|---|---|
| Water | 7732-18-5 | >80% |
| Petroleum Distillates | 64742-47-8 | 20-30% |
| Propane | 74-98-6 | 1 – 3% |
| Isobutane | 75-28-5 | 1 – 3% |
| Sodium Lauryl Sulfate | 151-21-3 | 1 – 5% |
| Sodium Lauroyl Sarcosinate | 137-16-6 | 0.5 – 1.5% |

## 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 eye irritation. Symptoms may include excess blinking and tearing.
**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

$CO_2$, 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. 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. Aerosol products have been known to last much longer in storage.

## 8. Exposure Control/Personal Protection:

### 8.1 Control parameters

| Exposure Limits 8 hr TWA: | (OSHA PEL) | (ACGIH TWA) |
|---|---|---|
| Petroleum Distillates (64742-47-8) | 500 ppm | 100 ppm |
| Propane | 1000 ppm | 1000 ppm |
| Isobutane | not available | 1000 ppm |
| Sodium Lauryl Sulfate | not applicable | not applicable |
| Sodium Lauroyl Sarcosinate | 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 and foot wear before re-use.

## 9. Physical And Chemical Properties:

### 9.1 Information of basic chemical and physical properties

| | |
|---|---|
| **Physical Form:** | Gas/Pressurized Liquid |
| **Color:** | Clear Thin Liquid (Dispensed as white foam) |
| **Odor:** | Typical solvent |
| **Odor Threshold:** | not available |
| **pH:** | not applicable – oil out emulsion |
| **Melting Point/Freeze Point:** | 0°C (32°F) – Based on Water (liquid phase) |
| **Initial Boiling Point:** | 100°C (212°F) – Based on Water (liquid phase) |
| **Flash Point (Seta Closed Cup):** | not available |
| **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:** | 1.000 (liquid phase) |
| **Solubility in Water:** | insoluble |
| **Auto Ignition Temperature:** | not available |
| **Partition coefficient (n/octonol/water):** | not available |
| **Viscosity:** | Water Thin (liquid phase) |

### 9. 2 Other information

| | |
|---|---|
| **% NVM by Weight:** | 5.5% |
| **% VOC Content (California):** | 37.5% |

## 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
$CO_2$, CO and hydrocarbons

## 11. Toxicological Information:

### 11.1 Information on Toxicological effects

Turtle Wax Power Foam Bug & Tar (Aerosol)

| | |
|---|---|
| LD50 – Oral Rat | >2000 mg/Kg |
| LD50 – Dermal Rabbit | >2000 mg/Kg |
| LC50 – Inhalation Rat | >3.81 mg/L (4 hr) |

Petroleum Distillates - Mineral Spirits (64742-47-8)

| | |
|---|---|
| LD50 – Oral Rat | >5000 mg/Kg |
| LD50 – Dermal Rabbit | >2000 mg/Kg |
| LC50 – Inhalation Rat | >20 mg/L 1h |

Isobutane (75-28-5)

| | |
|---|---|
| LC50 – Inhalation Rat | 658 mg/L (4hr) |

Sodium Lauryl Sulfate (151-21-3)

| | |
|---|---|
| LD50 – Oral Rat | 1288 mg/Kg |
| LD50 – Dermal Rabbit | 580 mg/Kg |
| LC50 – Inhalation Rat | >3900 mg/$m^3$ (1 hr) |

Propane (76-98-6)

| | |
|---|---|
| LD50 – Inhalation Rat | 658 mg/L(4hr) |

Sodium Lauroyl Sarcosinate (137-16-6)

| | |
|---|---|
| LD50 – Oral Rat | >5000 mg/Kg |
| LC50 – Inhalation Rat | 0.05-0.5 mg/L (4 hr) |

| | |
|---|---|
| Skin corrosion/irritation | Can cause mild skin irritation |
| Serious eye damage/irritation | Can cause mild eye irritation |
| 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 | Harmful if inhaled. 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, 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:** | Regulated as a hazardous waste (D-001 Ignitable). |
| **Waste Disposal Method:** | Dispose of in accordance with local, state and federal regulations |
| **Waste Disposal Vessel:** | Metal drums are recommended. 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 Flammable Gas

### 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 2 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:**

| CAS Number | Concentration | State Code |
|---|---|---|
| None | | |

### 15.4 HMIS & NFPA Classifications

| | | |
|---|---|---|
| HMIS Classification: | Health | 2 |
| | Flammability | 2 |
| | Reactivity | 0 |
| NFPA Classification: | Health | 2 |
| | Flammability | 2 |
| | Reactivity | 0 |

## 16. Other Information:

| | |
|---|---|
| **Reason For Issue** | Address Update |
| **Prepared By** | James Heidel - Consultant |
| **Preparer's Title** | Technical Director, R&D |
| **SDS Administrator** | Jean Mayszak - Technical Compliance Manager, R&D |
| **Approval Date** | February 10, 2017 |
| **Supersedes Date** | August 6, 2015 |
| **Revision Number** | A – 1 |

It is the user’s responsibility to satisfy oneself as to the suitableness and completeness of such information for their own particular use.