SAFETY DATA SHEET

1. Product and Company Identification

1.1 Product Identifier
Product Name: Turtle Wax Bug & Tar Remover - Spray
Product Code (SKU): T520A (50382), T520A4PK (50383), T520AC (50384)

1.2 Relevant Identified Uses Of The Substance
Product Use: Bug & Tar Remover (Non-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 Liquid 3
Serious Eye Irritation 2A
Skin Sensitization 1
Aspiration Hazard 1

2.2 Label Elements

Pictogram:

Signal Word: Danger
Hazard Statement: Flammable liquid and vapor. Causes serious eye irritation.
May cause an allergic skin reaction. May be fatal if swallowed and enters airways.
Precautionary Statement: Keep away from heat, sparks, hot surfaces, and open flames. No smoking. Keep container tightly closed.
Ground container and receiving equipment. Use explosion proof ventilation, lighting, and tools. Protect against static charge. Avoid breathing fumes, vapors, and spray. Wash hands thoroughly after handling. Wear protective gloves, goggles, and clothing. If on skin or hair, remove immediately all clothing and launder before re-use. If irritation occurs, get medical attention. If in eyes, rinse...
thoroughly with water for 15 minutes. Remove contact lenses if easy to do. If eye irritation persists, get medical attention. If swallowed, call a poison control center or a physician immediately. Do not induce vomiting. Store in a cool, well ventilated place. Dispose of in accordance with local, state, and federal regulations.

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>Petroleum Distillates Hydroteated Light</td>
<td>64742-47-8</td>
<td>20-30%</td>
</tr>
<tr>
<td>Isopropyl Alcohol</td>
<td>67-63-0</td>
<td>1-5%</td>
</tr>
<tr>
<td>2-Butoxyethanol</td>
<td>111-76-2</td>
<td>1-5%</td>
</tr>
<tr>
<td>Amides, Tall-oil fatty, N,N-bis (Hydroxyethyl)</td>
<td>68155-20-4</td>
<td>0.5-1.5%</td>
</tr>
<tr>
<td>Hydrocarbons, terpene processing by products</td>
<td>68956-56-9</td>
<td>0.1-1.0%</td>
</tr>
<tr>
<td>1,2-Dibromo-2,4-dicyanobutane</td>
<td>35691-65-7</td>
<td>0.1 – 1.</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. Remove contaminated clothing and launder before re-use. 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. Call a poison control center or physician immediately.

4.2 Most important symptoms and effects – acute and chronic

Inhalation: May cause respiratory tract irritation.

Skin: May cause skin irritation. Contact may cause redness, drying, de-fatting, and cracking of the skin. Contact may cause sensitization by skin contact.

Eyes: Cause serious eye irritation. Symptoms may include discomfort, excess blinking, and tearing, with redness and conjunctiva.

Ingestion: May be fatal if swallowed and enters airways. This product may be aspirated into the lungs and cause chemical pneumonitis. 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. Use only non-sparking tools. Keep away from sparks, open flames, and hot surfaces.

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>Petroleum Distillate, Hydrotreated Light</td>
<td>100 ppm</td>
<td>200 ppm</td>
<td></td>
</tr>
</tbody>
</table>
Isopropyl Alcohol (67-63-0)  400 ppm  400 ppm
2-Butoxyethanol (111-76-2)  50 ppm  20 ppm
Amides, Tall-oil fatty N,N-bis(hydroxyethyl) (68155-20-4)  not applicable  not applicable
Hydrocarbon, terpene processing by-products (68956-56-9)  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:** thin liquid
- **Color:** beige to off white
- **Odor:** typical solvent
- **Odor Threshold:** not available
- **pH:** not applicable (oil out emulsion)
- **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):** 43°C (110°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:** 0.889
- **Solubility in Water:** insoluble
- **Auto Ignition Temperature:** not available
- **Partition coefficient (n/octanol/water):** not available
- **Viscosity:** 1200 cP

9.2 Other information

- **%NVM by Weight:** 3.5%
- **%VOC Content (California):** 27.0%

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 Bug & Tar Remover - Spray
LD₅₀ – Oral Rat >2000 mg/Kg
LD₅₀ – Dermal Rabbit >2000 mg/Kg
LC₅₀ – Inhalation Rat >20 mg/L (4hr)

Petroleum Distillates, Hydrotreated Light (64742-47-8)
LD₅₀ – Oral Rat >5000 mg/Kg
LD₅₀ – Dermal Rabbit >2000 mg/Kg
LC₅₀ – Inhalation Rat >5.2 mg/L (4hr)

Isopropyl Alcohol (67-63-0)
LD₅₀ – Oral Rat 4396 mg/Kg
LD₅₀ – Dermal Rabbit 12870 mg/Kg
LC₅₀ – Inhalation Rat >72.6 mg/L (4hr)

2-Butoxyethanol (111-76-2)
LD₅₀ – Oral Rat 470 mg/Kg
LC₅₀ – Inhalation Rat 450 ppm (4hr)

Hydrocarbons, terpene processing by-products (68956-56-9)
LD₅₀ – Oral Rat >2000 mg/Kg
LD₅₀ – Dermal Rabbit >2000 mg/Kg

Skin corrosion/irritation
Serious eye damage/irritation
Respiratory or skin sensitization
Germ cell mutagenicity
Carcinogenicity

Based on available data, classification data are not met
Causes serious eye irritation
May cause an allergic skin reaction
Based on available data, classification data are not met
Based on available data, classification data are not met

Isopropyl alcohol (67-63-0) IARC Group 3
2-Butoxyethanol (111-76-2) IARC Group 3 / NPT status 1

Reproductive toxicity
Specific target organs – single exposure

Based on available data, classification data are not met
Specific target organs – repeated exposure

Aspiration hazard: Based on available data, classification data are not met
Symptoms/injuries after inhalation: May be fatal if swallowed and enters airways
Symptoms/injuries after skin contact: May cause skin irritation. Contact may cause redness, drying, de-fatting, and cracking of the skin. Contact may cause sensitization by skin contact.
Symptoms/injuries after eye contact: Cause serious eye irritation. Symptoms may include discomfort, excess blinking, and tearing, with redness and conjunctiva.
Symptoms/injuries after ingestion: May be fatal if swallowed and enters airways. This product may be aspirated into the lungs and cause chemical pneumonitis. 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 RCRA Hazardous waste – D001 ignitable
Waste Disposal Method: Dispose of in accordance with local, state and federal regulations
Waste Disposal Vessel: Metal drums.

14. Transportation Information:

14.1 UN number
1993

14.2 UN Proper shipping name
Flammable liquid N.O.S. (Petroleum distillates, Isopropanol, 2-Butoxyethanol)

14.3 Transport Hazard class
3

14.4 Packaging group
III
14.5 Marine Pollutant
No

14.6 Transportation in Bulk
Not applicable

14.7 Special precautions
Qualifies as Limited Quantity

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>
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</table>

15.4 HIMS & NFPA Classifications

HIMS 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
<table>
<thead>
<tr>
<th>Preparer's Title</th>
<th>Technical Director, R&amp;D</th>
</tr>
</thead>
<tbody>
<tr>
<td>SDS Administrator</td>
<td>Jean Maysak - Technical Compliance Manager, R&amp;D</td>
</tr>
<tr>
<td>Approval Date</td>
<td>September 12, 2017</td>
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<tr>
<td>Supersedes Date</td>
<td>November 19, 2014</td>
</tr>
<tr>
<td>Revision Number</td>
<td>A – 6</td>
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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.