



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 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

<u>Component</u>	<u>CAS Number</u>	<u>Concentration (wt%)</u>
Petroleum Distillates Hydrotreated Light	64742-47-8	20-30%
Isopropyl Alcohol	67-63-0	1-5%
2-Butoxyethanol	111-76-2	1-5%
Amides, Tall-oil fatty, N,N-bis (Hydroxyethyl)	68155-20-4	0.5-3.0%
Hydrocarbons, terpene processing by products	68956-56-9	0.1-1.0%
1,2-Dibromo-2,4-dicyanobutane	35691-65-7	0.01 – 0.5%
Triethanolamine	102-71-6	0.1-0.5%
Crystalline Silica (Quartz)	14808-60-7	0-0.05%

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

Exposure Limits 8 hr TWA:	(OSHA PEL)	(ACGIH TWA)
Petroleum Distillate, Hydrotreated Light (64742-47-8)	100 ppm	200 ppm
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
Crystalline Silica (Quartz) (14808-60-7)	0.05mg/m ³ (respirable fraction)	10mg/m ³ (total dust) 3mg/m ³ (respirable fraction)
Triethanolamine (102-71-6)	5 mg/m ³	5 mg/m ³

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/octonol/water):	not available
Viscosity:	1200 cP

9.2 Other information

%NVM by Weight: 6.5%
%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

Crystalline Silica (Quartz) (14808-60-7)

LD50 – Oral Rat >5000 mg/kg

Triethanolamine (102-71-6)

LD50 – Oral Rat >6,400 mg/kg

LD50 – Dermal Rabbit >2,000 mg/kg

Skin corrosion/irritation	Based on available data, classification data are not met
Serious eye damage/irritation	Causes serious eye irritation
Respiratory or skin sensitization	May cause an allergic skin reaction
Germ cell mutagenicity	Based on available data, classification data are not met
Carcinogenicity	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	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	
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Based on available data, classification data are not met

Aspiration hazard	
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May be fatal if swallowed and enters airways

Symptoms/injuries after inhalation	
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May cause respiratory tract irritation

Symptoms/injuries after skin contact	
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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	
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Cause serious eye irritation. Symptoms may include discomfort, excess blinking, and tearing, with redness and conjunctiva.

Symptoms/injuries after ingestion	
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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:*

WARNING: This product can expose you to the following chemicals which are known to the state of California to cause cancer, birth defects or reproductive harm. For more information go to www.P65Warnings.ca.gov

<u>CAS Number</u>	<u>State Code</u>
Crystalline Silica (Quartz) 14808-60-7	Cancer
Diethanolamine 111-42-2	Cancer

***Note:** These chemicals are considered impurities and may or may not exist in the product. They are not intentionally added to the product as ingredients.

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	Formula Change - Minor
Prepared By	Joseph Whitman
Preparer's Title	Senior Chemist/Regulatory Specialist, R&D
SDS Administrator	Jean Mayszak - Technical Compliance Manager, R&D
Approval Date	May 8 th , 2018
Supersedes Date	September 12, 2017
Revision Number	A – 7

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 suitability and completeness of such information for their own particular use.