



# Safety Data Sheet (SDS) Blue Wolf Tire & Wheel Cleaner (BW-WT)

Revision  
Date: 08/07/2023

## 1. Identification

### 1.1. Product identifier

#### Product Identity

Blue Wolf Tire and Wheel Cleaner (BW-TW)

#### Alternate Names

Blue Wolf Tire and Wheel Cleaner (BW-TW)

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

#### Intended use

Tire Wheel Cleaner

### 1.3. Details of the supplier of the safety data sheet

#### Company Name

Blue Wolf Sales and Service  
219 Industrial Park Road  
Bluefield, Virginia 24605

#### Emergency

#### 24-hour Emergency Telephone No.

Emergency Contact Number:  
CHEMTREC 1-800-424-9300

#### Customer Service: Blue Wolf Sales and Service

855-803-1417

## 2. Hazard(s) identification

### 2.1. Classification of the substance or mixture

Flam. Liq. 4;H227

Combustible Liquid.

Eye Dam. 1;H318

Causes serious eye damage.

Skin Sens. 1;H317

May cause an allergic skin reaction.

Aquatic Acute 3;H402

Harmful to aquatic life.

Aquatic Chronic 3;H412

Harmful to aquatic life with long lasting effects.

### 2.2. Label elements



**Danger**

H227 Combustible liquid.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H402 Harmful to aquatic life.

H412 Harmful to aquatic life with long lasting effects.

#### [Prevention]

P210 Keep away from heat, sparks, open flames, and other ignition sources - No smoking.

P235 Keep cool.

P261 Avoid breathing dust, fume, gas, mist, vapors, spray.

P272 Contaminated work clothing should not be allowed out of the workplace.

P273 Avoid release to the environment.

P280 Wear protective gloves, eye protection, face protection.

#### [Response]



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P302+352 IF ON SKIN: Wash with plenty of soap and water.

P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.

P310 Immediately call a POISON CENTER, doctor or physician.

P333+313 If skin irritation or a rash occurs: Get medical advice or attention.

P362 Take off contaminated clothing and wash before reuse.

P370+378 In case of fire: Use extinguishing media listed in section 5 of SDS for extinction.

## [Storage]

P403+235 Store in a well-ventilated place. Keep cool.

## [Disposal]

P501 Dispose of contents or container in accordance with local and national regulations.

## 3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

| Ingredient/Chemical Designations                         | Weight %   | GHS Classification                                                                                                                 | Notes |
|----------------------------------------------------------|------------|------------------------------------------------------------------------------------------------------------------------------------|-------|
| Alcohols, C9-11, ethoxylated<br>CAS Number: 0068439-46-3 | 1 - 5      | Eye Dam. 1;H318                                                                                                                    | ----  |
| 2-Butoxy-ethanol<br>CAS Number: 0000111-76-2             | 1 - 5      | Acute Tox. 4;H332<br>Acute Tox. 4;H302<br>Eye Irrit. 2;H319<br>Skin Irrit. 2;H315                                                  | ----  |
| Citrus Terpenes<br>CAS Number: 0005989-27-5              | 0.10 - 1.0 | Flam. Liq. 3;H226<br>Skin Irrit. 2;H315<br>Skin Sens. 1;H317<br>Aquatic Acute 1;H400<br>Aquatic Chronic 1;H410<br>Asp. Tox. 1;H304 | ----  |

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

\*PBT/vPvB - PBT-substance or vPvB-substance.

The full texts of the phrases are shown in Section 16.

## Section 4. First aid measures

### 4.1. Description of first aid measures

#### General

In all cases of doubt, or when symptoms persist, seek medical attention.  
Never give anything by mouth to an unconscious person.

#### Inhalation

Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious, place in the recovery position and obtain immediate medical attention. Give nothing by mouth.

#### Eyes

Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.

#### Skin

Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.

#### Ingestion

If swallowed, obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

### 4.2. Most important symptoms and effects, both acute and delayed

#### Overview

No specific symptom data available.

Treat symptomatically. Check section 2.2 (GHS Label Elements) for further details.



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**Eyes**  
**Skin**

Causes serious eye damage.  
May cause an allergic skin reaction. Causes mild skin irritation. (Note: this GHS classification was not adopted by US OSHA).

## Section 5. Fire-fighting measures

### 5.1. Extinguishing media

Recommended extinguishing media; alcohol resistant foam, CO<sup>2</sup>, powder, water spray.  
Unsuitable extinguishing media: Do not use; water jet.

### 5.2. Special hazards arising from the substance or mixture

Hazardous decomposition: Explosive hydrogen gas can be liberated on contact with metals, such as zinc, tin or aluminum. Hydrogen gas can result in explosive hazards in confined spaces.

Keep away from heat, sparks, open flames, and other ignition sources - No smoking.

Keep cool.

Avoid breathing dust, fume, gas, mist, vapors, spray.

### 5.3. Advice for fire-fighters

As with all fires, wear positive pressure, self-contained breathing apparatus, (SCBA) with a full-face piece and protective clothing. Persons without respiratory protection should leave area. Wear SCBA during clean-up immediately after fire. No smoking.

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## Section 6. Accidental release measures

### 6.1. Personal precautions, protective equipment, and emergency procedures

Put on appropriate personal protective equipment (see section 8).

### 6.2. Environmental precautions

Do not allow spills to enter drains or waterways.

Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

### 6.3. Methods and material for containment and cleaning up

Stop the leak, if possible. Ventilate the space involved. Contain, vacuum up, place in non-sparking container for disposal. Prevent waterway contamination. Construct a dike to prevent spreading. Collect run-off and transfer to drums or tanks for later disposal. Consult a regulatory specialist to determine appropriate state or local reporting requirements, for assistance in waste characterization and/or hazardous waste disposal and other requirements listed in pertinent environmental permits.

## Section 7. Handling and storage

### 7.1. Precautions for safe handling

Handle containers carefully to prevent damage and spillage.



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Do not get in eyes, or skin or on clothing. Do not breathe mist. Keep container closed. Use only with adequate ventilation. Do not taste or swallow. Wash thoroughly after handling. To avoid rapid temperature rise, violent spattering, or explosive eruptions always add caustic to water when mixing. Never add water to a caustic when mixing. Heat water to 80-100 F before adding product. Add small amounts of product slowly and evenly over single addition, Water should not exceed 160° F during addition. Check section 2.2 (GHS Label Elements) for further details. - [Prevention]

## 7.2. Conditions for safe storage, including any incompatibilities

Do NOT store near strong acids.

Incompatible materials: Any acidic material, ammonia, urea, oxidizable materials and metals such as nickel, copper, tin, aluminum and iron.

Check section 2.2 (GHS Label Elements) for further details. - [Storage]

## 7.3. Specific end use(s)

No data available.

## Section 8. Exposure controls / personal protection

### 8.1. Control parameters

| CAS No.      | Ingredient                   | Exposure |                                            |
|--------------|------------------------------|----------|--------------------------------------------|
|              |                              | Source   | Value                                      |
| 0000111-76-2 | 2-Butoxy-ethanol             | OSHA     | TWA 50 ppm (240 mg/m <sup>3</sup> ) [skin] |
|              |                              | ACGIH    | TWA: 20 ppm                                |
|              |                              | NIOSH    | TWA 5 ppm (24 mg/m <sup>3</sup> ) [skin]   |
| 0005989-27-5 | Citrus Terpenes              | OSHA     | No Established Limit                       |
|              |                              | ACGIH    | No Established Limit                       |
|              |                              | NIOSH    | No Established Limit                       |
| 0068439-46-3 | Alcohols, C9-11, ethoxylated | OSHA     | No Established Limit                       |
|              |                              | ACGIH    | No Established Limit                       |
|              |                              | NIOSH    | No Established Limit                       |

### 8.2. Exposure controls

#### Respiratory

Use NIOSH/MSHA approved respirator, following manufacturer's recommendations when concentrations exceed permissible exposure limits.

#### Eyes

Wear safety glasses with side shields to protect the eyes. An eye wash station is suggested as good workplace practice.

#### Skin

Chemical resistant clothing such as coveralls/apron and boots should be worn. Chemical impervious gloves required.

#### Engineering Controls

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.

#### Other Work Practices

Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

Check section 2.2 (GHS Label Elements) for further details.

## Section 9. Physical and chemical properties

### 9.1. Information on basic physical and chemical properties



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|                                                        |                                                                                          |
|--------------------------------------------------------|------------------------------------------------------------------------------------------|
| <b>Appearance</b>                                      | Color: Physical State: Liquid                                                            |
| <b>Odor</b>                                            | Not Provided.                                                                            |
| <b>Odor threshold</b>                                  | Not determined                                                                           |
| <b>pH</b>                                              | 12.60                                                                                    |
| <b>Melting point / freezing point</b>                  | Not Measured                                                                             |
| <b>Initial boiling point and boiling range</b>         | Not Measured                                                                             |
| <b>Flash Point</b>                                     | > 191 °F                                                                                 |
| <b>Evaporation rate (Ether = 1)</b>                    | Not Measured                                                                             |
| <b>Flammability (solid, gas)</b>                       | Not Applicable                                                                           |
| <b>Upper/lower flammability or explosive limits</b>    | <b>Lower Explosive Limit:</b> Not Measured<br><b>Upper Explosive Limit:</b> Not Measured |
| <b>Vapor pressure (Pa)</b>                             | Not Measured                                                                             |
| <b>Vapor Density</b>                                   | Not Measured                                                                             |
| <b>Relative Density</b>                                | Not Measured                                                                             |
| <b>Solubility in Water</b>                             | Not Measured                                                                             |
| <b>Partition coefficient n-octanol/water (Log Kow)</b> | Not Measured                                                                             |
| <b>Auto-ignition temperature</b>                       | Not Measured                                                                             |
| <b>Decomposition temperature</b>                       | Not Measured                                                                             |
| <b>Viscosity (cSt)</b>                                 | Not Measured                                                                             |
| <b>9.2. Other information</b>                          |                                                                                          |
| No other relevant information.                         |                                                                                          |

## Section 10. Stability and reactivity

### 10.1. Reactivity

Hazardous Polymerization will not occur.

### 10.2. Chemical stability

Stable under normal circumstances.

### 10.3. Possibility of hazardous reactions

No data available.

### 10.4. Conditions to avoid

Avoid strong acids, metals and organic material such as chlorinated hydrocarbons.

### 10.5. Incompatible materials

Any acidic material, ammonia, urea, oxidizable materials and metals such as nickel, copper, tin, aluminum and iron.

### 10.6. Hazardous decomposition products

Explosive hydrogen gas can be liberated on contact with metals, such as zinc, tin or aluminum. Hydrogen gas can result in explosive hazards in confined spaces.

## Section 11. Toxicological information

### Acute toxicity



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Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

| Ingredient                                  | Oral LD50, mg/kg                     | Skin LD50, mg/kg                  | Inhalation Vapor LC50, mg/L/4hr | Inhalation Dust/Mist LC50, mg/L/4hr | Inhalation Gas LC50, ppm |
|---------------------------------------------|--------------------------------------|-----------------------------------|---------------------------------|-------------------------------------|--------------------------|
| Alcohols, C9-11, ethoxylated - (68439-46-3) | 5,051.00, Rat - Category: NA         | >2,000.00, Rabbit - Category: 5   | No data available               | No data available                   | No data available        |
| 2-Butoxy-ethanol - (111-76-2)               | 1,200.00, ATE Estimate - Category: 4 | No data available                 | No data available               | No data available                   | No data available        |
| Citrus Terpenes - (5989-27-5)               | >2,000.00, Rat - Category: 5         | > 5,000.00, Rabbit - Category: NA | No data available               | No data available                   | No data available        |

## Carcinogen Data

| CAS No.      | Ingredient                   | Source | Value                                                               |
|--------------|------------------------------|--------|---------------------------------------------------------------------|
| 0000111-76-2 | 2-Butoxy-ethanol             | OSHA   | Regulated Carcinogen: No;                                           |
|              |                              | NTP    | Known: No; Suspected: No;                                           |
|              |                              | IARC   | Group 1: No; Group 2a: No; Group 2b: No; Group 3: Yes; Group 4: No; |
|              |                              | ACGIH  | A3                                                                  |
| 0005989-27-5 | Citrus Terpenes              | OSHA   | Regulated Carcinogen: No;                                           |
|              |                              | NTP    | Known: No; Suspected: No;                                           |
|              |                              | IARC   | Group 1: No; Group 2a: No; Group 2b: No; Group 3: Yes; Group 4: No; |
|              |                              | ACGIH  | No Established Limit                                                |
| 0068439-46-3 | Alcohols, C9-11, ethoxylated | OSHA   | Regulated Carcinogen: No;                                           |
|              |                              | NTP    | Known: No; Suspected: No;                                           |
|              |                              | IARC   | Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;  |
|              |                              | ACGIH  | No Established Limit                                                |

| Classification                | Category | Hazard Description                   |
|-------------------------------|----------|--------------------------------------|
| Acute toxicity (oral)         | ---      | Not Applicable                       |
| Acute toxicity (dermal)       | ---      | Not Applicable                       |
| Acute toxicity (inhalation)   | ---      | Not Applicable                       |
| Skin corrosion/irritation     | ---      | Not Applicable                       |
| Serious eye damage/irritation | 1        | Causes serious eye damage.           |
| Respiratory sensitization     | ---      | Not Applicable                       |
| Skin sensitization            | 1        | May cause an allergic skin reaction. |
| Germ cell mutagenicity        | ---      | Not Applicable                       |
| Carcinogenicity               | ---      | Not Applicable                       |
| Reproductive toxicity         | ---      | Not Applicable                       |
| STOT-single exposure          | ---      | Not Applicable                       |
| STOT-repeated exposure        | ---      | Not Applicable                       |
| Aspiration hazard             | ---      | Not Applicable                       |

## Section 12. Ecological information

### 12.1. Toxicity

Harmful to aquatic life.

Harmful to aquatic life with long lasting effects.



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## Aquatic Ecotoxicity

| Ingredient                                  | 96 hr LC50 fish, mg/L         | 48 hr EC50 crustacea, mg/L | ErC50 algae, mg/L                                 |
|---------------------------------------------|-------------------------------|----------------------------|---------------------------------------------------|
| Alcohols, C9-11, ethoxylated - (68439-46-3) | 5.00, Oncorhynchus mykiss     | 2.50, Daphnia magna        | 1.40 (72 hr), Pseudokirchneriella subcapitata     |
| 2-Butoxy-ethanol - (111-76-2)               | 1,474.00, Oncorhynchus mykiss | 1,550.00, Daphnia magna    | 1,840.00 (72 hr), Pseudokirchneriella subcapitata |
| Citrus Terpenes - (5989-27-5)               | 0.72, Pimephales promelas     | 0.307, Daphnia magna       | 0.32 (72 hr), Pseudokirchneriella subcapitata     |

## 12.2. Persistence and degradability

There is no data available on the preparation itself.

## 12.3. Bioaccumulative potential

Not Measured

## 12.4. Mobility in soil

No data available.

## 12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

## 12.6. Other adverse effects

No data available.

## Section 13. Disposal considerations

### 13.1. Waste treatment methods

Observe all federal, state, and local regulations when disposing of this substance.

## Section 14. Transport information

Domestic Ground Shipments less than 5 liters (1.3 gallon): This product is not considered a hazard.

|                                    | DOT (Domestic Surface Transportation)         | IMO / IMDG (Ocean Transportation) | ICAO/IATA                 |
|------------------------------------|-----------------------------------------------|-----------------------------------|---------------------------|
| 14.1. UN number                    | NA1993                                        | Not Regulated                     | Not Regulated             |
| 14.2. UN proper shipping name      | Combustible liquid, n.o.s., (Citrus Terpenes) | Not Regulated                     | Not Regulated             |
| 14.3. Transport hazard class(es)   | DOT Hazard Class: Combustible liquid          | IMDG: Not Applicable              | Air Class: Not Applicable |
| 14.4. Packing group                | III                                           | III                               | III                       |
| 14.5. Environmental hazards        | Marine Pollutant: no;                         |                                   |                           |
| 14.6. Special precautions for user | Not Applicable                                |                                   |                           |

## Section 15. Regulatory information

**Regulatory Overview** The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.



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**Toxic Substance Control Act (TSCA)** All components of this material are either listed or exempt from listing on the TSCA Inventory.

**EPCRA 302 Extremely Hazardous:**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**EPCRA 313 Toxic Chemicals:**

2-Butoxy-ethanol

**Proposition 65 - Carcinogens (>0.0%):**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Proposition 65 - Developmental Toxins (>0.0%):**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Proposition 65 - Female Repro Toxins (>0.0%):**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Proposition 65 - Male Repro Toxins (>0.0%):**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Proposition 65 Label Warning:**

This product contains no chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

## Section 16. Other information

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The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

H226 Flammable liquid and vapor.

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

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