

Safety Data Sheet

Classified in accordance with SOR/2015-17

1. Product Identification

| | |
|---------------------------------------|---|
| Product Information: | 893.013057 |
| Product Identifier: | Engine Shampoo |
| Recommended Use: | Engine Cleaner |
| Importer/Supplier Information: | Wurth Canada Limited 345 Hanlon Creek Boulevard Guelph, Ontario N1C 0A1, CANADA Telephone: 1-905-564-6225 Emergencies involving a spill, fire, explosion or exposure: CHEMREC (24/7): 1-800-424-9300 Transport related emergencies: CANUTEC (24/7): 1-613-996-6666 or *666 (cell) |
| Emergency Telephone: | |

2. Hazard(s) identification

Classification

Flammable Aerosol, category 1
Compressed Gas
Eye Irritation, category 2A

Label elements

HAZARD PICTOGRAMS



SIGNAL WORD

Danger

GHS HAZARD STATEMENTS

| | |
|------|---|
| H222 | Extremely flammable aerosol. |
| H280 | Contains gas under pressure; may explode if heated. |
| H319 | Causes serious eye irritation. |

GHS PRECAUTIONARY STATEMENTS

Prevention

| | |
|------|--|
| P210 | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| P211 | Do not spray on an open flame or other ignition source. |
| P251 | Do not pierce or burn, even after use. |
| P264 | Wash thoroughly after handling. |
| P280 | Wear eye protection and face protection |

Response

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| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
|----------------|--|

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|--------------------------|---|
| P337+P313 | If eye irritation persists: Get medical advice/attention. |
| Storage | |
| P410+P403 | Protect from sunlight. Store in a well-ventilated place. |
| P410+P412 | Protect from sunlight. Do not expose to temperatures exceeding 50°C/ 122°F. |
| Disposal | |
| None | |
| Other Information | |
| None | |

3. Composition/Information on Ingredients

Mixtures

| <u>Chemical Identity</u> | <u>Common Name and Synonyms</u> | <u>CAS Number</u> | <u>Content in Percent (%)*</u> |
|---|---------------------------------|-------------------|--------------------------------|
| Distillates (Petroleum), Hydrotreated Light | | 64742-47-8 | 3-7 |
| Butane | | 106-97-8 | 1-5 |
| Diethylene Glycol Monobutyl Ether | | 112-34-5 | 1-5 |
| Benzenesulfonic acid, mono-C10-16-alkyl derivs., sodium salts | | 68081-81-2 | 1-5 |
| Propane | | 74-98-6 | 1-5 |
| 2-Methylnaphthalene | | 91-57-6 | 0.5-1.5 |
| Undecan-1-ol, ethoxylated | | 34398-01-1 | 0.1-1.0 |

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

Composition Comments: Other components are not hazardous or are below required disclosure limits.

The exact concentration has been withheld as a trade secret.

4. First-aid Measures

SKIN CONTACT: Remove contaminated clothing and wash the skin thoroughly with soap and water after work.

EYE CONTACT: Rinse immediately with plenty of water. Flush eyes with plenty of water for 15 minutes, while holding the eyelids apart. Check victim for contact lenses and remove if present. Get medical attention if irritation persists.

INHALATION: Move to fresh air.

INGESTION: Rinse mouth.

IMPORTANT SYMPTOMS: May cause severe eye irritation.

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED: Get medical attention if symptoms occur.

5. Fire-fighting Measures

EXTINGUISHING MEDIA: Use fire-extinguishing media appropriate for surrounding materials.

UNSUITABLE EXTINGUISHING MEDIA: Do not use water jet as an extinguisher, as this will spread the fire.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Extremely flammable aerosol. Contents under pressure. Keep away from ignition sources and open flames. Prolonged exposure to temperatures above 120°F may cause cans to burst. Vapors may travel considerable distance to a source of ignition and flash back. Combustion may produce carbon dioxide and carbon monoxide.

SPECIAL FIREFIGHTING PROCEDURES: No data available

6. Accidental Release Measures

PERSONAL PRECAUTIONS : Ventilate closed spaces before entering them. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Keep upwind.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANUP: Leaking cans should be placed in a plastic bag or open pail away from ignition sources until the pressure has dissipated. Collect liquid spill with an inert absorbent material and place into a suitable container for disposal.

ENVIRONMENTAL PRECAUTIONS: Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water sources or sewer. Environmental manager must be informed of all major spillages.

7. Handling and Storage

HANDLING: Keep away from sources of ignition - No smoking. Keep away from open flames, hot surfaces and sources of ignition. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use.

SAFE HANDLING ADVICE: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use.

STORAGE: Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

NFPA 30B: Aerosol Level 1

8. Exposure Controls/Personal Protection

Ingredients with Occupational Exposure Limits

| <u>Chemical Name</u> | <u>TLV-TWA</u> | <u>TLV-STEL</u> | <u>PEL-TWA</u> | <u>PEL-CEILING</u> |
|---|-----------------------|-----------------|----------------|--------------------|
| Distillates (Petroleum), Hydrotreated Light | 200 mg/m ³ | N.E. | N.E. | N.E. |
| Butane | N.E. | 1000 ppm | N.E. | N.E. |
| Diethylene Glycol Monobutyl Ether | 10 ppm | N.E. | N.E. | N.E. |
| Benzenesulfonic acid, mono-C10-16-alkyl derivs., sodium salts | N.E. | N.E. | N.E. | N.E. |
| Propane | N.E. | N.E. | 1000 ppm | N.E. |
| 2-Methylnaphthalene | 0.5 ppm | N.E. | N.E. | N.E. |
| Undecan-1-ol, ethoxylated | N.E. | N.E. | N.E. | N.E. |

Further Advice: MEL = Maximum Exposure Limit OES = Occupational Exposure Standard SUP = Supplier's Recommendation
Sk = Skin Sensitizer N.E. = Not Established

ENGINEERING CONTROLS: No data available

Personal Protection

EYE/FACE PROTECTION: Wear goggles/face shield. Chemical safety goggles should be worn where contact is possible.

SKIN PROTECTION: No data available

RESPIRATORY PROTECTION: Seek advice from local supervisor. In case of inadequate ventilation use suitable respirator.

HYGIENIC PRACTICES: When using do not smoke. Observe good industrial hygiene practices.

9. Physical and Chemical Properties

Appearance:

| | |
|---|---------------------|
| Physical State: | Liquid |
| Form: | Spray Aerosol |
| Color: | Yellow |
| Odor: | Solvent |
| Odor Threshold: | No data available |
| pH: | No data available |
| Freeze Point, °C: | No data available |
| Boiling Point, °C: | 100 |
| Flash Point, °C: | 95 |
| Flammability (solid, gas): | No data available |
| Evaporation Rate: | No data available |
| Combustibility: | Supports Combustion |
| Explosive Limits, %: | 0.6 - 15.2 |
| Vapor Pressure @20°C, PSI: | 40-50 |
| Vapor Density: | No data available |
| Relative Density: | 0.957 |
| Solubility in Water: | No data available |
| Partition Coefficient, n-octanol/water: | No data available |
| Auto-Ignition Temperature, °C: | No data available |
| Decomposition temperature, °C: | No data available |
| Kinematic Viscosity: | No data available |

10. Stability and Reactivity

REACTIVITY: Not reactive under normal conditions of use.

STABILITY: Material is stable under normal conditions.

POSSIBILITY OF HAZARDOUS REACTIONS: No data available

CONDITIONS TO AVOID: Keep away from heat, sparks, flames, and other sources of ignition. Do not puncture or incinerate containers. Dropping containers may cause bursting.

INCOMPATIBILITY: No data available

HAZARDOUS DECOMPOSITION PRODUCTS: Combustion may produce carbon dioxide and carbon monoxide.

11. Toxicological Information

Information on Likely Routes of Exposure

SKIN CONTACT EFFECTS: May cause irritation on prolonged or repeated contact.

EYE CONTACT EFFECTS: Contact may cause severe irritation with redness, tearing and pain.

INHALATION EFFECTS: Inhalation of high concentrations of mists may cause irritation of the nose throat and upper respiratory tract.

INGESTION EFFECTS: Ingestion may cause irritation of the mucous membranes, esophagus and stomach.

Carcinogenicity: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by IARC, ACGIH, or NTP.

The following values are calculated based on chapter 3.1 of the GHS document. The product itself has not been tested.

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|------------------------------|--|
| <u>ATE ORAL</u> | 9,546 mg/kg |
| <u>ATE DERMAL</u> | 22,999 mg/kg |
| <u>ATE INHALATION</u> | Not classified for acute toxicity based on available data. |

Acute Toxicity Values

The acute effects of this product have not been tested. Data on individual components are tabulated below

| <u>CAS-No.</u> | <u>Chemical Name</u> | <u>Oral LD50</u> | <u>Dermal LD50</u> | <u>Vapor LC50</u> |
|-----------------------|---|-------------------------|---------------------------|--------------------------|
| 64742-47-8 | Distillates (Petroleum), Hydrotreated Light | 5,000 mg/kg | 5000 mg/kg | >100 mg/l |
| 106-97-8 | Butane | 5000 mg/kg | 5000 mg/kg | 658 mg/L Rat |
| 112-34-5 | Diethylene Glycol Monobutyl Ether | 2,410 mg/kg | 2,764 mg/kg | 100 mg/l |
| 68081-81-2 | Benzenesulfonic acid, mono-C10-16-alkyl derivs., sodium salts | 500 mg/kg | 5,000 mg/kg | 100 mg/l |
| 74-98-6 | Propane | 5,000 mg/kg | 5,000 mg/kg | 100 mg/l |
| 91-57-6 | 2-Methylnaphthalene | 500 mg/kg | 5000 mg/kg | 100 mg/l |
| 34398-01-1 | Undecan-1-ol, ethoxylated | 500 mg/kg | 2,000 mg/kg | N.I. |

N.I. = No Information

Skin Corrosion & Irritation:

Product: No data available

Serious Eye Damage & Irritation:

Product: No data available

Components:

| | | |
|---|------------|--------------------------------|
| Diethylene Glycol Monobutyl Ether | 112-34-5 | Causes serious eye irritation. |
| Benzenesulfonic acid, mono-C10-16-alkyl derivs., sodium salts | 68081-81-2 | Causes serious eye irritation. |

Respiratory or Skin Sensitization:

Product: No data available

STOT-Single Exposure:

Product: No data available

STOT-Repeated Exposure:

Product: No data available

Aspiration Hazard:

Product: No data available

Carcinogenicity:

Product: No data available

Reproductive Toxicity:

Product: No data available

Germ Cell Mutagenicity:

Product: No data available

12. Ecological Information

ECOLOGICAL INFORMATION: No data available

PERSISTENCE: No data available

BIOACCUMULATE: No data available

MOBILITY IN SOIL: No data available

OTHER ECOLOGICAL: No data available

13. Disposal Information

DISPOSAL INFORMATION: Consult with your local, regional and federal agencies for information on proper disposal.

CONTAMINATED PACKAGING : Consult with your local, regional and federal agencies for information on proper disposal.

14. Transport Information

SPECIAL TRANSPORT PRECAUTIONS: No data available

TDG

| | |
|------------------------------|---------------------|
| UN Number: | UN1950 |
| Proper Shipping Name: | AEROSOLS, FLAMMABLE |
| Technical Name: | N/A |
| Hazard Class(es) | |
| Class: | 2.1 |
| Subsidiary Risk | N/A |
| Packing Group: | N/A |

IATA

| | |
|------------------------------|---------------------|
| UN Number: | UN1950 |
| Proper Shipping Name: | AEROSOLS, FLAMMABLE |
| Technical Name: | N/A |
| Hazard Class(es) | |
| Class: | 2.1 |
| Subsidiary Risk: | N/A |
| Packing Group: | N/A |

IMDG

| | |
|------------------------------|---------------------|
| UN Number: | UN1950 |
| Proper Shipping Name: | AEROSOLS, FLAMMABLE |
| Technical Name: | N/A |
| Hazard Class(es) | |
| Class: | 2.1 |
| Subsidiary Risk: | N/A |
| Packing Group: | N/A |

The classification shown in this section may be eligible for use of an exception, such as 'Limited Quantity', per the dangerous goods regulations. The shipper of this product should consult the applicable mode's regulation for the UN number displayed above to determine if any exceptions are available and may be utilized, at the shipper's discretion.

15. Regulatory Information

CHEMICAL INVENTORY STATUS:

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|------|--|
| TSCA | On or in compliance with the inventory |
| DSL | All ingredients in this product are listed on the DSL or are exempt. |

16. Other Information

| | |
|------------------------|-----------------------|
| Revision Date: | 7/25/2023 |
| Datasheet produced by: | Regulatory Department |

Legend

N/A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined, N.I. - No Information

TLV - Threshold Limit Values (TLVs®), as established by the American Conference of Governmental Industrial Hygienists (ACGIH®)

PEL - Permissible Exposure Limit, as established by the U.S. Occupational Safety and Health Administration (OSHA), as amended

TSCA - U.S. Toxic Substance Control Act

DSL - Canada Environmental Protection Act: Domestic Substance List

This information is being provided in accordance with the Hazardous Products Regulations (HPR) regulation (SOR/2015-17). The information supplied is designed for workplaces where the product use and frequency of exposure exceeds that established for the labeled consumer use.

Further Information

This document has been prepared using data from sources considered to be technically reliable. It does not constitute a warranty, expressed or implied, as to the accuracy of the information contained herein. Actual conditions of use are beyond the manufacturer's and seller's control. Purchaser and user are responsible for determining the suitability of the product for a particular purpose, adopting precautions for the protection of property and persons, and compliance with all Federal, State, Provincial, and Local laws.