



Safety Data Sheet

1 - Identification

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|---|--|
| Trade Name: WD-40 Multi-Use Product Bulk Liquid | Manufacturer: WD-40 Company |
| Chemical Name: Mixture | Address: 9715 Businesspark Avenue San Diego, California, USA 92131 |
| Product Use: Lubricant, Penetrant, Drives Out Moisture, Removes and Protects Surfaces From Corrosion | Telephone: |
| Restrictions on Use: None identified | Emergency: 1-888-324-7596 |
| SDS Date Of Preparation: October 18, 2018 | Information: 1-888-324-7596 |
| | Chemical Spills: 1-800-424-9300 (Chemtrec) 1-703-527-3887 (International Calls) |

2 – Hazards Identification

GHS Classification:

Flammable Liquid Category 3

Aspiration Toxicity Category 1

Specific Target Organ Toxicity Single Exposure Category 3 (nervous system effects)

This product is a consumer product and is labeled in accordance with local regulations for consumer chemicals. The actual container label may not include the label elements below. The labeling below applies to industrial/professional products.

Label Elements:



DANGER!

H226- Flammable liquid and vapor.

H304- May be fatal if swallowed and enters airways.

H336- May cause drowsiness or dizziness.

Prevention

P210- Keep away from heat, sparks, open flames, hot surfaces. -No smoking.

P233- Keep container tightly closed.

P240- Ground or bond container and receiving equipment.

P241- Use explosion-proof electrical, ventilating, or lighting equipment.

P242- Use only non-sparking tools.

P243- Take precautionary measures against static discharge.

P261- Avoid breathing vapors or mists.

P271- Use only outdoors or in a well-ventilated area.

P280- Wear eye protection.

Response

P301+P310+P331- IF SWALLOWED: Immediately call a POISON CENTER or physician. Do NOT induce vomiting.

P303+P361+P353- IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

P304+P340+P312- IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or physician if you feel unwell.

P370+P378- In case of fire: Use water fog, dry chemical, carbon dioxide or foam to extinguish.

Storage

P403+P235- Store in a well-ventilated place. Keep cool.

P405- Store locked up.

Disposal

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

3 - Composition/Information on Ingredients

| Ingredient | CAS # | Weight Percent | GHS Classification |
|-----------------------|------------|----------------|---|
| Aliphatic Hydrocarbon | 64742-47-8 | 50-70% | Flammable Liquid Category 3 Aspiration Toxicity Category 1 Specific Target Organ Toxicity Single Exposure Category 3 (nervous system effects) |
| Petroleum Base Oil | Mixture | <25% | Not Hazardous |

Note: The exact percentages are a trade secret.

4 – First Aid Measures

Ingestion (Swallowed): Aspiration Hazard. DO NOT induce vomiting. Call physician or poison control center immediately.

Eye Contact: Flush thoroughly with water. Remove contact lenses if present after the first 5 minutes and continue flushing for several more minutes. Get medical attention if irritation persists.

Skin Contact: Wash with soap and water. If irritation develops and persists, get medical attention.

Inhalation (Breathing): If irritation is experienced, move to fresh air. Get medical attention if irritation or other symptoms develop and persist.

Signs and Symptoms of Exposure: Harmful or fatal if swallowed. If swallowed, may be aspirated and cause lung damage. May cause eye and respiratory irritation. Skin contact may cause drying of the skin. Inhalation may cause coughing, headache and dizziness.

Indication of Immediate Medical Attention/Special Treatment Needed: Immediate medical attention is needed for ingestion.

5 – Fire Fighting Measures

Suitable (and unsuitable) Extinguishing Media: Use water fog, dry chemical, carbon dioxide or foam. Do not use water jet or flooding amounts of water. Burning product will float on the surface and spread fire.

Specific Hazards Arising from the Chemical: Flammable liquid and vapor. Vapors are heavier than air and may travel along surfaces to remote ignition sources and flash back. Combustion will produce oxides of carbon and hydrocarbons.

Special Protective Equipment and Precautions for Fire-Fighters: Firefighters should always wear positive pressure self-contained breathing apparatus and full protective clothing. Cool fire-exposed containers with water.

6 – Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures: Wear appropriate protective clothing (see Section 8). Eliminate all sources of ignition and ventilate area.

Methods and Materials for Containment/Cleanup: Contain and collect liquid with an inert absorbent and placed in a container for disposal. Clean spill area thoroughly. Report spills to authorities as required.

7 – Handling and Storage

Precautions for Safe Handling: Avoid contact with eyes. Avoid prolonged contact with skin. Avoid breathing vapors or aerosols. Use only with adequate ventilation. Keep away from heat, sparks, hot surfaces and open flames. Wash thoroughly with soap and water after handling. Keep containers closed when not in use. Keep out of the reach of children.

Conditions for Safe Storage: Store in a cool, well-ventilated area, away from incompatible materials. NFPA 30 Class II Liquid.

8 – Exposure Controls/Personal Protection

| Chemical | Occupational Exposure Limits |
|-----------------------|--|
| Aliphatic Hydrocarbon | 1200 mg/m ³ TWA (manufacturer recommended) |
| Petroleum Base Oil | 5 mg/m ³ TWA (Inhalable) ACGIH TLV (as Mineral oil) |

The Following Controls are Recommended for Normal Consumer Use of this Product**Appropriate Engineering Controls:** Use in a well-ventilated area.**Personal Protection:****Eye Protection:** Avoid eye contact. Always spray away from your face.**Skin Protection:** Avoid prolonged skin contact. Chemical resistant gloves recommended for operations where skin contact is likely.**Respiratory Protection:** None needed for normal use with adequate ventilation.**For Bulk Processing or Workplace Use the Following Controls are Recommended****Appropriate Engineering Controls:** Use adequate general and local exhaust ventilation to maintain exposure levels below that occupational exposure limits.**Personal Protection:****Eye Protection:** Safety goggles recommended where eye contact is possible.**Skin Protection:** Wear chemical resistant gloves.**Respiratory Protection:** None required if ventilation is adequate. If the occupational exposure limits are exceeded, wear a NIOSH approved respirator. Respirator selection and use should be based on contaminant type, form and concentration. Follow local regulations and good Industrial Hygiene practice.**Work/Hygiene Practices:** Wash with soap and water after handling.**9 – Physical and Chemical Properties**

| | | | |
|----------------------------|--|--|--------------------------------|
| Appearance: | Light amber liquid | Flammable Limits: (Solvent Portion) | LEL: 0.6% UEL: 8% |
| Odor: | Mild petroleum odor | Vapor Pressure: | 1 psi @38°C (100°F) ASTM D323 |
| Odor Threshold: | Not established | Vapor Density: | Greater than 1 (air=1) |
| pH: | Not Applicable | Relative Density: | 0.8 – 0.82 @ 60°F (15.6°C) |
| Melting/Freezing Point: | Not established | Solubilities: | Insoluble in water |
| Boiling Point/Range: | 361 - 369°F (183-187°C) | Partition Coefficient; n-octanol/water: | Not established |
| Flash Point: | 122°F (49°C) Tag Closed Cup (concentrate) | Autoignition Temperature: | Not established |
| Evaporation Rate: | Not established | Decomposition Temperature: | Not established |
| Flammability (solid, gas): | Not Applicable | Viscosity: | 2.79-2.96 cSt @ 100°F (37.8°C) |
| VOC: | 412 grams/liter (49.5%) | Pour Point: | -63°C (-81.4°F) ASTM D-97 |

10 – Stability and Reactivity**Reactivity:** Not reactive under normal conditions**Chemical Stability:** Stable**Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.**Conditions to Avoid:** Avoid heat, sparks, flames and other sources of ignition.**Incompatible Materials:** Strong oxidizing agents.**Hazardous Decomposition Products:** Carbon monoxide and carbon dioxide.**11 – Toxicological Information****Symptoms of Overexposure:****Inhalation:** High concentrations may cause nasal and respiratory irritation and central nervous system effects such as headache, dizziness and nausea. Intentional abuse may be harmful or fatal.**Skin Contact:** Prolonged and/or repeated contact may produce mild irritation and defatting with possible dermatitis.**Eye Contact:** Contact may be irritating to eyes. May cause redness and tearing.**Ingestion:** This product has low oral toxicity. Swallowing may cause gastrointestinal irritation, nausea, vomiting and diarrhea. This product is an aspiration hazard. If swallowed, can enter the lungs and may cause chemical pneumonitis, severe lung damage and death.**Chronic Effects:** None expected.

Carcinogen Status: None of the components are listed as a carcinogen or suspect carcinogen by IARC, NTP, ACGIH or OSHA.

Reproductive Toxicity: None of the components is considered a reproductive hazard.

Numerical Measures of Toxicity:

Acute Toxicity Estimates: Oral > 5,000 mg/kg; Dermal >2,000 mg/kg based on an assessment of the ingredients. This product is not classified as toxic by established criteria. It is an aspiration hazard.

12 – Ecological Information

Ecotoxicity: No specific aquatic toxicity data is currently available; however components of this product are not expected to be harmful to aquatic organisms

Persistence and Degradability: Components are readily biodegradable.

Bioaccumulative Potential: Bioaccumulation is not expected based on an assessment of the ingredients.

Mobility in Soil: No data available

Other Adverse Effects: None known

13 - Disposal Considerations

If this product becomes a waste, it would be expected to meet the criteria of a RCRA ignitable hazardous waste (D001). However, it is the responsibility of the generator to determine at the time of disposal the proper classification and method of disposal. Dispose in accordance with federal, state, and local regulations.

14 – Transportation Information

DOT Surface Shipping Description: Excepted from Hazmat (49CFR 173.150 (F)) in non-bulk packagings.

Bulk Packaging: UN1268, Petroleum Distillates, n.o.s., Combustible Liquid, PG III

IMDG Shipping Description: UN1268, Petroleum Distillates, n.o.s. 3, PG III

ICAO Shipping Description: UN1268, Petroleum Distillates, n.o.s. 3, PG III

NOTE: WD-40 Company does not test containers to assure that they meet the pressure differential and other requirements for transport by air. We do not recommend that our products be transported by air.

15 – Regulatory Information

U.S. Federal Regulations:

CERCLA 103 Reportable Quantity: This product is not subject to CERCLA reporting requirements, however, oil spills are reportable to the National Response Center under the Clean Water Act and many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

SARA TITLE III:

Hazard Category For Section 311/312: Refer to Section 2 for the OSHA Hazard Classification.

Section 313 Toxic Chemicals: This product contains the following chemicals subject to SARA Title III Section 313 Reporting requirements: None

Section 302 Extremely Hazardous Substances (TPQ): None

EPA Toxic Substances Control Act (TSCA) Status: All of the components of this product are listed on the TSCA inventory.

California Safe Drinking Water and Toxic Enforcement Act (Proposition 65): This product does not contain chemicals regulated under California Proposition 65.

Canadian Environmental Protection Act: One of the components is listed on the NDSL. All of the other ingredients are listed on the Canadian Domestic Substances List or exempt from notification.

16 – Other Information

HMIS Hazard Rating:

Health – 1 (slight hazard), Fire Hazard – 2 (moderate hazard), Physical Hazard – 0 (minimal hazard)

Revision Date: October 18, 2018

Supersedes: July 23, 2018

Revision Summary: Updated Section 2.

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Regulatory Affairs Department



NFPA

1004100/No.0070008