

View Section : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16**SECTION 1: CHEMICAL PRODUCT and COMPANY IDENTIFICATION (N/A)**

Product Name: **WD-40 Bulk Liquid**
Manufacturer Name: WD-40 Company
Address: P.O. Box 80607
 1061 Cudahy Place (92110)
 San Diego, California, 92138-0607
 USA

Emergency Only: 1-888-324-7596 (PROSAR)
 Chemical Spills: 1-703-527-3887 (International Calls)

General Use: Product Use: Cleaner, Lubricant
Business Phone: 1-888-324-7596

CHEMTREC Numbers:

For emergencies in the US, call CHEMTREC: 800-424-9300

Revision Date: 8/05/09
 Supersedes: August 2009
 Supersedes: March 2009

Trade Names: WD-40 Bulk Liquid

Chemical Name: Organic Mixture

HMIS Hazard Rating:
 Health - 1 (slight hazard)
 Fire Hazard - 2 (moderate hazard)
 Reactivity - 0 (minimal hazard)

Product Codes:

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HMIS

| | |
|------------|---|
| HEALTH | 1 |
| FIRE | 2 |
| REACTIVITY | 0 |
| PPE | |

SECTION 2 : COMPOSITION, INFORMATION ON INGREDIENTS : (N/A)

| Ingredient Name | CAS# | Ingredient Percent |
|--|-------------|---------------------------|
| Aliphatic Hydrocarbon EC Index Number: 1 | 64742-47-8 | |
| Petroleum Base Oil EC Index Number: 1 | 64742-58-1 | |
| LVP Aliphatic Hydrocarbon EC Index Number: 1 | 64742-47-8 | 12-18% by Weight |
| Non-Hazardous Ingredients EC Index Number: 1 | Mixture | < 10% by Weight |
| Aliphatic Hydrocarbon EC Index Number: 1 | 64742-48-9 | |
| Aliphatic Hydrocarbon EC Index Number: 1 | 64742-88-7 | |
| Petroleum Base Oil EC Index Number: 1 | 64742-53-6 | |
| Petroleum Base Oil EC Index Number: 1 | 64742-56-9 | |
| Petroleum Base Oil EC Index Number: 1 | 64742-65-0 | |
| Surfactant EC Index Number: 1 | Proprietary | < 2% by Weight |

Ingredient: Aliphatic Hydrocarbon
CAS #: 64742-47-8; 64742-48-9; 64742-88-7
Total Weight Percent: 45-50%

Ingredient: Petroleum Base Oil
CAS #: 64742-58-1; 64742-53-6; 64742-56-9; 64742-65-0
Total Weight Percent: < 25%

See Section 8 for Exposure Limits

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SECTION 3 : HAZARDS IDENTIFICATION : (N/A)

Emergency Overview: DANGER! Harmful or fatal if swallowed. Combustible Liquid. If swallowed, may be aspirated and cause lung damage. May cause eye irritation. Avoid eye contact. Use with adequate ventilation. Keep away from heat, sparks and all other sources of ignition.

Applies to All Ingredients :

Chronic Health Effects: None expected.
Carcinogenicity: Suspected Cancer Agent: No
Signs/Symptoms: 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.
Aggravation of Pre-Existing Conditions: Preexisting eye, skin and respiratory conditions may be aggravated by exposure.

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SECTION 4 : FIRST AID MEASURES : (N/A)

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.
Ingestion: (Swallowed): Aspiration Hazard. DO NOT induce vomiting. Call physician, poison control center or the WD-40 Safety Hotline at 1-888-324-7596 immediately.

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SECTION 5 : FIRE FIGHTING MEASURES : (N/A)

Flash Point: 131 deg F (Concentrate)
Flash Point Method: Tag Closed Cup
Upper Flammable or Explosive Limit: (Solvent Portion): 8.9%
Lower Flammable or Explosive Limit: (Solvent Portion): 1.1%
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.
Fire Fighting Instructions: Firefighters should always wear positive pressure self-contained breathing apparatus and full protective clothing. Cool fire-exposed containers with water.
Unusual Fire Hazards: Combustible liquid and vapor. Vapors are heavier than air and may travel along surfaces to remote ignition sources and flash back.

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SECTION 6 : ACCIDENTAL RELEASE MEASURES : (N/A)

Personal Precautions: Wear appropriate protective clothing (see Section 8).
Spill Cleanup Measures: Eliminate all sources of ignition and ventilate area. Contain and collect liquid with an inert absorbent and place in a container for disposal. Clean spill area thoroughly. Report spills to authorities as required.

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SECTION 7 : HANDLING and STORAGE : (N/A)

Handling: Avoid contact with eyes. Avoid prolonged contact with skin. Avoid breathing vapors or aerosols. Use 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.
Storage: Store in a cool, well-ventilated area, away from incompatible materials. NFPA 30 Class II Liquid.
Hygiene Practices: Wash with soap and water after handling.

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SECTION 8 : EXPOSURE CONTROLS, PERSONAL PROTECTION

: (N/A)

| | |
|-------------------------------------|--|
| Engineering Controls: | The Following Controls are Recommended for Normal Consumer Use of this Product: Use in a well-ventilated area. For Bulk Processing or Workplace Use the Following Controls are Recommended: Use adequate general and local exhaust ventilation to maintain exposure levels below that occupational exposure limits. |
| Skin Protection Description: | The Following Controls are Recommended for Normal Consumer Use of this Product: Avoid prolonged skin contact. Chemical resistant gloves recommended for operations where skin contact is likely. For Bulk Processing or Workplace Use the Following Controls are Recommended: Wear chemical resistant gloves. |
| Eye/Face Protection: | The Following Controls are Recommended for Normal Consumer Use of this Product: Avoid eye contact. Safety glasses or goggles recommended. For Bulk Processing or Workplace Use the Following Controls are Recommended: Safety goggles recommended where eye contact is possible. |
| Respiratory Protection: | The Following Controls are Recommended for Normal Consumer Use of this Product: None needed for normal use with adequate ventilation. For Bulk Processing or Workplace Use the Following Controls are Recommended: 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 OSHA 1910.134, ANSI Z88.2 and good Industrial Hygiene practice. |
| Exposure Limits: | Chemical Name: Non-Hazardous Ingredients Occupational Exposure Limits: None Established Chemical Name: Surfactant Occupational Exposure Limits: None Established |
| Work/Hygiene Practices: | Wash with soap and water after handling. |

Ingredient Guidelines**Ingredient: Aliphatic Hydrocarbon**

| | |
|------------------------|-----------------------------|
| Guideline Type: | Manufacturer Exposure Limit |
| Guideline Information: | 1200 mg/m3 |
| Guideline Type: | ACGIH TLV-TWA |
| Guideline Information: | 100 ppm |

Ingredient: LVP Aliphatic Hydrocarbon

| | |
|------------------------|-----------------------------|
| Guideline Type: | Manufacturer Exposure Limit |
| Guideline Information: | 1200 mg/m3 |

Ingredient: Petroleum Base Oil

| | |
|------------------------|----------------|
| Guideline Type: | ACGIH TLV-STEL |
| Guideline Information: | 10 mg/m3 |
| Guideline Type: | OSHA PEL-TWA |
| Guideline Information: | 5 mg/m3 |
| Guideline Type: | ACGIH TLV-TWA |
| Guideline Information: | 5 mg/m3 |

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: (N/A)

| | |
|---|---|
| Physical State/Appearance: | Liquid |
| Color: | Light amber |
| Odor: | Mild odor |
| pH: | Not Applicable |
| Vapor Pressure: | 1.8 mmHg @ 68 deg F (aliphatic hydrocarbon) |
| Vapor Density: | > 1 |
| Flash Point: | 131 deg F (Concentrate) |
| Flash Point Method: | Tag Closed Cup |
| Upper Explosive Limit: | (Solvent Portion): 8.9% |
| Lower Explosive Limit: | (Solvent Portion): 1.1% |
| Boiling Point: | 323 deg F (minimum) |
| Solubility: | In Water: Insoluble |
| Specific Gravity: | 0.817 @ 72 deg F |
| Percent Volatile: | 74% |
| Volatile Organic Compound Content: | 412 grams/liter (49.5%) VOC Regulations: This product complies with the consumer product VOC limits of CARB, the US EPA and states adopting the OTC VOC rules. |
| Pour Point: | -60 deg F |
| Coefficient of Water/Oil Distribution: | Not Determined |

[To Top of page](#)**SECTION 10 : STABILITY and REACTIVITY**

: (N/A)

| | |
|--|---|
| Chemical Stability: | Stable. |
| Conditions to Avoid: | Avoid heat, sparks, flames and other sources of ignition. |
| Incompatibilities with Other Materials: | Strong oxidizing agents. |

Hazardous Polymerization: Will not occur.
Hazardous Decomposition Products: Carbon monoxide and carbon dioxide.

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SECTION 11 : TOXICOLOGICAL INFORMATION : (N/A)

Applies to All Ingredients :

Acute Health Effects: This product is not classified as toxic by established criteria. It is an aspiration hazard.
Ingestion Effects: The oral toxicity of this product is estimated to be greater than 5,000 mg/kg based on an assessment of the ingredients.
Carcinogenicity: None of the components of this product is listed as a carcinogen or suspected carcinogen or is considered a reproductive hazard.

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SECTION 12 : ECOLOGICAL INFORMATION : (N/A)

Ecological Paragraph: No data is currently available.

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SECTION 13 : DISPOSAL CONSIDERATIONS : (N/A)

Waste Disposal: 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.
RCRA Hazard Class: If this product becomes a waste, it would be expected to meet the criteria of a RCRA ignitable hazardous waste (D001).

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SECTION 14 : TRANSPORT INFORMATION : (N/A)

DOT Shipping Information: DOT Surface Shipping Description: Excepted from Hazmat (49CFR 173.150 (F)) in non-bulk packagings.
DOT Shipping Name: Bulk Packagings: Combustible Liquid, n.o.s. (contains Petroleum Distillates)
DOT UN Number: Bulk Packagings: NA1993
DOT Packing Group: Bulk Packagings: PG III
CGVS/GGVE/IMDG Technical Name: Shipping Description: Petroleum Distillates, n.o.s
CGVS/GGVE/IMDG UN or NA Identification Number: UN1268
CGVS/GGVE/IMDG Class: 3
CGVS/GGVE/IMDG Packaging Group: PG III

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SECTION 15 : REGULATORY INFORMATION : (N/A)

Applies to all ingredients:

TSCA 8(b): Inventory Status: All of the components of this product are listed on the TSCA inventory.
CERCLA Section 103: 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.
Section 302 Extremely Hazardous Substances (TPQ): None
Section 312 Hazard Category: Hazard Category For Section 311/312:
Acute: Yes
Fire: Yes
Section 313 Toxic Release Form: Section 313 Toxic Chemicals: This product contains the following chemicals subject to SARA Title III Section 313 Reporting requirements: None
State: California Safe Drinking Water and Toxic Enforcement Act (Proposition 65): This product does not contain chemicals regulated under California Proposition 65.
Canada WHMIS: 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.
Canadian WHMIS Classification: Class B-3 (Combustible Liquid).
This MSDS has been prepared according to the criteria of the Controlled Products Regulation (CPR) and the MSDS contains all of the information required by the CPR.
VOC Regulations: This product complies with the consumer product VOC limits of CARB, the US EPA and states adopting the OTC VOC rules.

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HMIS:

Health Hazard: 1
Fire Hazard: 2
Reactivity: 0
MSDS Revision Date: 8/05/09
Supersedes: August 2009
Supersedes: March 2009

MSDS Author:

Peter P. Jr
TITLE: Director of Global Quality Assurance

HMIS Hazard Rating:
Health - 1 (slight hazard)
Fire Hazard - 2 (moderate hazard)
Reactivity - 0 (minimal hazard)

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