



Safety Data Sheet



1 - Identification

Trade Name: WD-40 Specialist Heavy-Duty High Temperature Grease	Manufacturer: WD-40 Company
Chemical Name: Mixture	Address: 9715 Businesspark Avenue San Diego, California, USA 92131
Product Use: Lubricant, grease	Telephone:
Restrictions on Use: None identified	Emergency: 1-888-324-7596
SDS Date of Preparation: January 14, 2019	Information: 1-888-324-7596
	Chemical Spills: 1-800-424-9300 (Chemtrec) 1-703-527-3887 (International Calls)

2 – Hazards Identification

GHS Classification:

Eye Irritant Category 2A

Skin Irritant Category 2

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:



WARNING!

H315 Causes skin irritation.

H319 Causes serious eye irritation.

Prevention

P264 Wash thoroughly after handling.

P280 Wear protective gloves and eye protection.

Response

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

P337+P313 If eye irritation persists: Get medical attention.

P302+P352 IF ON SKIN: Wash with plenty of water.

P332+P313 If skin irritation occurs: Get medical attention.

P362+P364 Take off contaminated clothing and wash it before reuse.

3 - Composition/Information on Ingredients

Ingredient	CAS #	Weight Percent	GHS Classification
Petroleum Distillates	64742-52-5 64742-65-0	70-80%	Not hazardous
Zinc Based Additive	Proprietary	<2%	Eye Damage Category 1 Skin Irritant Category 2
Additive	Proprietary	<1%	Acute Oral Toxicity Category 4 Eye Damage Category 1 Skin Corrosion Category 1C Specific Target Organ Toxicity Repeated Exposure Category 2

Note: The exact percentages are a trade secret.

4 – First Aid Measures

Ingestion (Swallowed): While aspiration is unlikely due to viscosity, do not induce vomiting. Rinse mouth with water. Call a physician or poison control center.

Eye Contact: Flush thoroughly with water. Remove contact lenses if present after the first 5 minutes and continue flushing for 15 minutes. Get medical attention if irritation persists.

Skin Contact: Wash with soap and water. If irritation or rash 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: May cause moderate eye and skin irritation. Prolonged or repeated skin contact may cause defatting dermatitis.

Indication of Immediate Medical Attention/Special Treatment Needed: Immediate medical attention is not required.

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: Combustion will produce carbon oxides, sulfur oxides, phosphorus oxides, smoke fumes and unburned hydrocarbons.

Special Protective Equipment and Precautions for Fire-Fighters: Firefighters should always wear positive pressure self-contained breathing apparatus and full protective clothing in areas where chemicals are used and stored. 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 place 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 and skin. Avoid breathing oil mists. Use with adequate ventilation. Keep away from heat, 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 Class IIIB Liquid.

8 – Exposure Controls/Personal Protection

Chemical	Occupational Exposure Limits
Petroleum Distillates	5 mg/m ³ TWA ACGIH TLV (as Mineral oil) 5 mg/m ³ TWA OSHA PEL (as oil mist, mineral)
Zinc Based Additive	None Established
Additive	None Established

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.**Skin Protection:** Avoid prolonged skin contact. Wash hands with soap and water after use.**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:	Green colored grease	Flammable Limits: (Solvent Portion)	Not established
Odor:	Slight petroleum oil odor	Vapor Pressure:	Not established
Odor Threshold:	Not established	Vapor Density:	Not established
pH:	Not Applicable	Relative Density:	0.9 g/cm ³
Melting/Freezing Point:	Not established	Solubilities:	Insoluble in water
Boiling Point/Range:	>231.1°C (>448°F)	Partition Coefficient; n-octanol/water:	Not established
Flash Point:	>221.1°C (>430°F)	Autoignition Temperature:	Not established
Evaporation Rate:	Not established	Decomposition Temperature:	Not established
Flammability (solid, gas):	Not applicable	Viscosity:	>21 cSt (>0.21 mm ² /s) @ 40°C (104°F)
VOC:	Not established	Pour Point:	Not Determined

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:** Thermal decomposition will generate carbon oxides, sulfur oxides, phosphorus oxides, smoke fumes and unburned hydrocarbons.

11 – Toxicological Information

Symptoms of Overexposure:

Inhalation: High concentrations of oil mists may cause nasal and respiratory irritation.

Skin Contact: Direct contact may cause moderate skin irritation. Prolonged and/or repeated contact may produce drying and defatting with possible dermatitis.

Eye Contact: Contact may be moderately irritating to eyes. May cause redness and tearing.

Ingestion: This product has low oral toxicity. Swallowing may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

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:

The oral toxicity of this product is estimated to be greater than 5,000 mg/kg and the dermal toxicity greater than 2,000 mg/kg based on an assessment of the ingredients. This product is not classified as toxic by established criteria.

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 not readily biodegradable.

Bioaccumulative Potential: No data available.

Mobility in Soil: No data available

Other Adverse Effects: None known

13 - Disposal Considerations

If this product becomes a waste, it would not be expected to meet the criteria of a RCRA of a hazardous waste. 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: Not Regulated

IMDG Shipping Description: Not Regulated

ICAO Shipping Description: Not Regulated

NOTE: WD-40 Company does not test containers to assure that they can withstand the pressure change without leakage when transported by air. We do not recommend that our products be transported by air unless a specific review is conducted.

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: Zinc Compounds (<2%)

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 require a California Proposition 65 warning.

VOC Regulations: This product complies with the consumer product VOC limits of CARB, the US EPA and states adopting the OTC VOC rules.

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

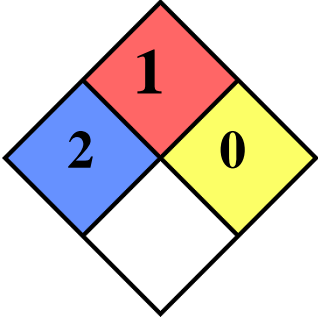
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Prepared by: Industrial Health & Safety Consultants, Inc. Shelton, CT, USA

Reviewed By: I. Kowalski

Regulatory Affairs Department



NFPA

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