Safety Data Sheet



1 - Chemical Product and Company Identification

Manufacturer: WD-40 Company **Address: 9715 Businesspark Avenue** **San Diego, California, USA** **92131** **Telephone: +1-800-448-9340** **+1-858-251-5600** **Emergency: 1-888-324-7596** **Information: 1-888-324-7596** **Chemical Spills: 1-800-424-9300 (Chemtrec)** **1-703-527-3887 (International Calls)**	**Chemical Name: Mixture** **Trade Name: WD-40 Specialist Bike Wet Chain Lubricant** **Product Use: Bike Chain Lubricant** **SDS Date Of Preparation: September 24, 2020**

2 – Hazards Identification

GHS Classification:
Aspiration Toxicity Category 1
Eye Irritant Category 2
Skin Irritation Category 3

Label Elements:



DANGER!
H304 May be fatal if swallowed and enters airways.
H316 Causes mild skin irritation.
H319 Causes serious eye irritation.

Prevention
P264 Wash thoroughly after handling.
P280 Wear eye protection.

Response
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor.
P331 Do NOT induce vomiting.
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.
P332+P313 If skin irritation occurs: Get medical attention.
Storage
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
Petroleum Base Oils	Mixture	40-50%	Not Hazardous
Distillates (Petroleum) Hydrotreated Light	64742-47-8	20-30%	Aspiration Toxicity Category 1

Surfactant	Proprietary	<3%	Eye Damage Category 1 Skin Irritant Category 2

4 – First Aid Measures

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.
Eye Contact: Flush thoroughly with water for 15 minutes. Remove contact lenses if present after the first 5 minutes and continue flushing. Get medical attention if irritation persists.
Skin Contact: Flush thoroughly with water. Remove any contaminated clothing and launder before reuse. If irritation develops and persists, get medical attention.
Inhalation (Breathing): Discontinue use and move to fresh air. Get medical attention if irritation develops and persists.
Most Important Symptoms (acute and delayed): May cause moderate eye irritation. May cause mild skin irritation. Inhalation of vapors may cause irritation, dizziness and drowsiness. Harmful or fatal if swallowed and entered airways. If swallowed, may be aspirated and cause lung damage.
Indication of Immediate Medical Attention or Special Treatment: Immediate medical attention is required for ingestion.

5 – Fire Fighting Measures

Extinguishing Media: This product is not flammable or combustible. Use any media that is appropriate for the surrounding fire. Do not use water jet or flooding amounts of water.
Special Fire Fighting Procedures: Firefighters should always wear positive pressure self-contained breathing apparatus and full protective clothing for fires involving chemicals. Cool fire-exposed containers with water.
Unusual Fire and Explosion Hazards: Thermal decomposition will release oxides of carbon and unburned hydrocarbons.

6 – Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures: Avoid contact with eyes. Avoid prolonged contact with skin and clothing. Wear appropriate protective clothing (see Section 8).
Environmental Precautions: Report spills to authorities as required.
Methods and Materials for Containment/Cleanup: Spills can be collected with an absorbent material and placed in a container for disposal. Clean the spill area with water.

7 – Handling and Storage

Precautions for Safe Handling: Avoid contact with eyes. Avoid prolonged contact with skin. Avoid breathing vapors or aerosols. Use with adequate ventilation. Keep away from excessive 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, including any incompatibilities: Store in a cool, well-ventilated area, away from incompatible materials.

8 – Exposure Controls/Personal Protection

Chemical	**Occupational Exposure Limits**
Petroleum Base Oils	5 mg/m3 TWA (Inhalable) ACGIH TLV (as Mineral oil)
Distillates (Petroleum) Hydrotreated Light	1200 mg/m3 TWA (total hydrocarbons) (manufacturer recommended)
Surfactant	None Established

The Following Controls are Recommended for Normal Consumer Use of this Product
Engineering Controls: Use in a well-ventilated area.
Personal Protection:
Eye Protection: Avoid eye contact. Safety glasses or goggles recommended.
Skin Protection: Avoid prolonged skin contact. For sensitive skin or prolonged use, wear rubber gloves.

Respiratory Protection: None needed for normal use with adequate ventilation.

For Bulk Processing or Workplace Use the Following Controls are Recommended
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 exposure levels are excessive, wear an approved respirator. Respirator selection and use should be based on contaminant type, form and concentration. Follow applicable regulations and good Industrial Hygiene practice.
Work/Hygiene Practices: Avoid contact with the eyes, skin and clothing. Wash thoroughly after use.

9 – Physical and Chemical Properties

Appearance:	Light amber liquid	Flammable Limits:	LEL: 0.6% UEL: 5.0% (Distillates (Petroleum) Hydrotreated Light)
Odor:	Mild petroleum odor	Vapor Pressure:	Not established
Odor Threshold:	Not established	Vapor Density:	Greater than 1
pH:	Not established	Relative Density:	Not established
Melting/Freezing Point:	Not established	Solubilities:	Insoluble in water
Boiling Point/Range:	227-254°C (441-489°F) (Distillates (Petroleum) Hydrotreated Light)	Partition Coefficient; n-octanol/water:	Not established
Flash Point:	97°C (207°F) (Distillates (Petroleum) Hydrotreated Light)	Auto ignition Temperature:	Not established
Evaporation Rate:	Not established	Decomposition Temperature:	Not established
Flammability (solid, gas):	Not applicable	Viscosity:	Not established
VOC:	0 grams/L	Pour Point:	Not applicable

10 – Stability and Reactivity

Reactivity: Non-reactive
Chemical Stability: Stable
Possibility of Hazardous Reactions: May react with strong oxidizers generating heat.
Conditions to Avoid: Avoid heat, sparks, flames and other sources of ignition.
Incompatible Materials: Strong oxidizing agents.
Hazardous Decomposition Products: Thermal decomposition will release oxides of carbon and unburned hydrocarbons.

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: May produce mild skin irritation and defatting with possible dermatitis.
Eye Contact: Direct contact may be moderately irritating to eyes. May cause redness, stinging, swelling and tearing.
Ingestion: If swallowed, this material may cause irritation of the mouth, throat and esophagus. Swallowing may cause gastrointestinal irritation, nausea, vomiting, diarrhea, dizziness, drowsiness and other central nervous system effects. 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 currently known.
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 based on an assessment of the ingredients. This product is not classified as toxic by established criteria.

12 – Ecological Information

Ecotoxicity: No data is currently available. If applied to leaves may kill grasses and small plants by interfering with respiration and transpiration. This product is not toxic to fish but may coat gill structures resulting in suffocation.

Persistence and Degradability: This product is expected to be biodegradable.
Bioaccumulative Potential: No data available.
Mobility in Soil: No data available.
Other Adverse Effects: None Known

13 - Disposal Considerations

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

IMDG Shipping Description: Not Regulated
ICAO Shipping Description: Not Regulated

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

China Regulations on the Control over Safety of Dangerous Chemicals: All ingredients in this product are listed on IECSC (Inventory of Existing Chemical Substances in China 2010).
Korea: All the components in this product are listed on the Korean chemical inventory.
Philippines: This product contains an ingredient that is not listed on the PICCS. Only limited volumes can be imported. Contact WD40 for more information.
Japan: All the components in this product are listed on the Japanese chemical inventory.
Taiwan: All the components in this product are listed on the Taiwan Inventory.

16 – Other Information

Indication of changes; version 1.0
Training instructions: Not applicable
Further information: The information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.
Notice to Reader: Employers should use this information only as a supplement to other information gathered by them, and should make independent judgment of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.

Revision Date: September 24, 2020 Supersedes: New SDS

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