



## Safety Data Sheet

### 1 - Chemical Product and Company Identification

<b>Manufacturer:</b> Shanghai Wu Di Trading Co., Ltd. (WD-40 Company China) <b>Address:</b> Unit A, 7F, Tall D, No.2337, Gudai Rd, Minhang Shanghai, China  <b>Post code:</b> 201100 <b>Telephone:</b> 021-62964040 400 821 4040 <b>Fax:</b> 021-52960140  <b>24 Hour Emergency Phone Number:</b> 0532-83889090	<b>Chemical Name:</b> Mixture  <b>Trade Name:</b> WD-40 Specialist Bike Dry Chain Lubricant  <b>Product Use:</b> Bike Chain Lubricant  <b>SDS Date of Preparation:</b> August 7, 2024
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### 2 – Hazards Identification

#### GHS Classification:

Flammable Liquid Category 4

Aspiration Toxicity Category 1

Eye Irritant Category 2

Skin Irritant Category 3

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



#### DANGER!

H227 Combustible liquid.

H304 May be fatal if swallowed and enters airways.

H316 Causes mild skin irritation.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

#### Prevention

P210 Keep away from flames and hot surfaces. No smoking.

P261 Avoid breathing vapors or mists.

P264 Wash thoroughly after handling.

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

P280 Wear eye protection and protective gloves.

#### 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.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P312 Call a POISON CENTER or doctor if you feel unwell.

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

#### Storage

P403+P233+P235 Store in a well-ventilated place. Keep container tightly closed. 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
Petroleum Base Oil	Mixture	30-40%	Not Hazardous
Naphtha (petroleum) hydrotreated light (Contains: Nonane)	64742-47-8 111-84-2	30-40%	Flammable Liquid Category 3 Aspiration Toxicity Category 1 Skin Irritant Category 3 Specific Target Organ Toxicity Single Exposure Category 3 (Nervous system effects)
Distillates (petroleum), hydrotreated light	64742-47-8	<10%	Flammable Liquid Category 4 Aspiration Toxicity Category 1
Surfactant	Proprietary	<3%	Eye Damage Category 1 Skin Irritant Category 2
Amine Phosphate Additive	Proprietary	<3%	Eye Irritant Category 2 Skin Irritant Category 2 Aquatic Acute Toxicity Category 2 Aquatic Chronic Toxicity 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. 24 hours Hotline of Emergency Service for Chemical Incident in China: 0532-83889090.

**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:** 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.

**Most Important Symptoms (acute and delayed):** Harmful or fatal if swallowed and entered airways. If swallowed, may be aspirated and cause lung damage. May cause moderate eye and mild skin irritation. Prolonged skin contact may cause drying of the skin. Inhalation may cause nasal and respiratory irritation and central nervous system effects such as headache, dizziness, and nausea.

**Indication of Immediate Medical Attention or Special Treatment:** Immediate medical attention is required for ingestion.

**5 – Fire Fighting Measures**

**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.

**Special Fire Fighting Procedures:** Firefighters should always wear positive pressure self-contained breathing apparatus and full protective clothing. Cool fire-exposed containers with water.

**Unusual Fire and Explosion Hazards:** Combustible liquid. Keep away from ignition sources and open flames. Vapors are heavier than air and may travel along surfaces to remote ignition sources and flash back. A vapor and air mixture can create an explosion hazard in confined spaces.

**6 – Accidental Release Measures**

**Personal Precautions, Protective Equipment and Emergency Procedures:** Avoid contact with eyes, skin, and clothing. Eliminate all sources of ignition and ventilate the area. Wear appropriate protective clothing (see Section 8).

**Environmental Precautions:** Avoid releases to the environment. Report spills to authorities as required.

**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.

## 7 – Handling and Storage

**Precautions for Safe Handling:** Avoid contact with eyes, skins, and clothing. Avoid breathing vapors or mists. 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.

**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 Oil	5 mg/m <sup>3</sup> TWA (Inhalable) ACGIH TLV (as Mineral oil) 3 mg/m <sup>3</sup> TWA Japan (JSOH) OEL (as oil mist, mineral)
Naphtha (petroleum) hydrotreated light	1200 mg/m <sup>3</sup> TWA Supplier Recommended (total hydrocarbons)
Nonane	200 ppm TWA ACGIH TLV 200 ppm TWA South Korea OEL 200 ppm TWA Japan (JSOH) OEL
Distillates (petroleum), hydrotreated light	1200 mg/m <sup>3</sup> TWA (total hydrocarbons) (manufacturer recommended)
Surfactant	None Established
Amine Phosphate Additive	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. 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

**Engineering Controls:** Use adequate general and local exhaust ventilation to maintain exposure levels below the 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:** Wash with soap and water after handling.

## 9 – Physical and Chemical Properties

Appearance:	Light amber liquid	Flammable Limits:	LEL: 0.6% (Distillates (petroleum), hydrotreated light) UEL: 6.0% (Naphtha (petroleum) hydrotreated light)
Odor:	Citrus odor	Vapor Pressure:	Not established
Odor Threshold:	Not established	Vapor Density:	Not established
pH:	Not established	Relative Density:	Not established
Melting/Freezing Point:	Not established	Solubilities:	Insoluble in water
Boiling Point/Range:	159-201°C (318-394°F) (Naphtha (petroleum) hydrotreated light)	Partition Coefficient; n-octanol/water:	Not established
Flash Point:	60-64°C (140-147°F)	Autoignition	Not established

	(Estimated)	Temperature:	
Evaporation Rate:	Not established	Decomposition Temperature:	Not established
Flammability (solid, gas):	Not applicable	Viscosity:	Not established
VOC:	Not established	Pour Point:	Not established

## 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, smoke fumes, unburned hydrocarbons.

## 11 – Toxicological Information

**Symptoms of Overexposure:**

**Inhalation:** Mist or vapor can irritate the throat and lungs. 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 cause mild skin irritation with short-term exposure with redness, itching and burning of the skin. Prolonged and/or repeated contact may produce defatting and possible dermatitis.

**Eye Contact:** Contact may be moderately irritating to eyes. May cause redness, stinging, swelling, and tearing.

**Ingestion:** This product has low oral toxicity. 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 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. 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. 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:** Components are expected to be 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

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 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

**China Regulations on the Control over Safety of Dangerous Chemicals:** This product contains an ingredient that is not listed. Only limited volumes can be imported. Contact WD40 for more information.

**Korea:** All the components in this product are listed on the Korean chemical inventory.

**Philippines:** All the components in this product are listed on the PICCS.

**Japan:** This product contains an ingredient that is not listed.

**Taiwan:** All the components in this product are listed on the Taiwan Inventory.

**Vietnam:** Chemical inventory status is not available.

**Thailand:** Chemical inventory status is not available.

## 16 – Other Information

**Indication of changes;** version 2.0

**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.

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