



SPECIALIST



Safety Data Sheet



1 - Chemical Product and Company Identification

Manufacturer: Shanghai Wu Di Trading Co., Ltd.
(WD-40 Company China)

Address: Unit A, 7F, Tall D, No.2337, Gudai Rd,
Minhang Shanghai, China

Post code: 201100

Telephone: 021-62964040 400 821 4040

Fax: 021-52960140

24 Hour Emergency Phone Number: 0532-83889090

Trade Name: WD-40 Specialist™ Bike Chain Lube

Chemical Name: Organic Mixture

Product Use: Cleaner, Lubricant

SDS Date of Preparation: August 8, 2024

2 – Hazards Identification

GHS Classification:

Aerosol Category 1

Aspiration Toxicity Category 1

Skin Irritant Category 2

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

Aquatic Acute Toxicity Category 2

Aquatic Chronic Toxicity Category 2



DANGER!

H222 Extremely flammable aerosol

H229 Pressurized container: may burst if heated.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.

Prevention

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

P211 Do not spray on an open flame or other ignition source.

P251 Do not pierce or burn, even after use.

P261 Avoid breathing vapors or mists.

P264 Wash thoroughly with soap and water after handling.

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

P273 Avoid release to the environment.

P280 Wear protective gloves.

Response

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor.

P331 Do NOT induce vomiting.

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

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

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

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.

P391 Collect spillage.

Storage

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

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
Heptane	64742-49-0 142-82-5	60-70%	Flammable Liquid Category 2 Aspiration Toxicity Category 1 Skin Irritant Category 2 Specific Target Organ Toxicity Single Exposure Category 3 (nervous system effects) Aquatic Acute Toxicity Category 2 Aquatic Chronic Toxicity Category 2
Liquefied Petroleum Gas (Contains Propane and n- Butane)	68476-86-8	20-30%	Flammable Gas Category 1 Gas Under Pressure, Compressed Gas
Mineral Oil	Proprietary	1-5%	Not Hazardous

4 – First Aid Measures

Ingestion (Swallowed): Aspiration Hazard. DO NOT induce vomiting. Call a 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 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. Cool fire exposed containers with water.

Special Fire Fighting Procedures: Firefighters should always wear positive pressure self-contained breathing apparatus and full protective clothing. Cool fire-exposed containers with water. Use shielding to protect against bursting cans.

Unusual Fire and Explosion Hazards: Extremely flammable aerosol. Contents under pressure. Keep away from ignition sources and open flames. Exposure of containers to extreme heat and flames can cause them to rupture often with violent force. Vapors can cause a flash fire. 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: Leaking cans should be placed in a plastic bag or open pail until the pressure has dissipated. 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 vapors or aerosols. Use only with adequate ventilation. Keep away from heat, sparks, pilot lights, hot surfaces and open flames. Unplug electrical tools, motors and appliances before spraying or bringing the can near any source of electricity. Electricity can burn a hole in the can and cause contents to burst into flames. To avoid serious burn injury, do not let the can touch battery terminals, electrical connections on motors or appliances or any other source of electricity. Wash thoroughly with soap and water after handling. Keep containers closed when not in use. Keep out of the reach of children. Do not puncture, crush or incinerate containers, even when empty.

Conditions for Safe Storage, including any incompatibilities: Store in a cool, well-ventilated area, away from incompatible materials. Do not store in direct sunlight or above 120°F. U.F.C (NFPA 30B) Level 3 Aerosol.

8 – Exposure Controls/Personal Protection

Chemical	Occupational Exposure Limits
Heptane	400 ppm TWA, 500 ppm STEL ACGIH TLV 200 ppm TWA Japan (JSOH) OEL 400 ppm TWA, 500 ppm STEL (15 min average value) South Korea OEL
Propane	1000 ppm TWA Taiwan OEL
n-Butane	1000 ppm STEL ACGIH TLV 800 ppm TWA South Korea OEL 500 ppm TWA Japan (JSOH) OEL
Mineral Oil	5 mg/m ³ TWA (Inhalable) ACGIH TLV (as Mineral oil) 3 mg/m ³ TWA Japan OEL (as oil mist, mineral)

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. Always spray away from face.

Skin Protection: Avoid prolonged skin contact. Chemical resistant gloves recommended for operations where prolonged 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 brown to yellow liquid	Flammable Limits: (Solvent Portion)	LEL: 1.1% UEL: 6.7%
Odor:	Mild petroleum 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:	94-98°C (201-208°F) (Heptane)	Partition Coefficient; n-octanol/water:	Not established
Flash Point:	-8°C (18°F) (Heptane)	Autoignition Temperature:	Not established
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 oxidizers, acids and bases.

Hazardous Decomposition Products: Carbon monoxide and carbon dioxide, sulfur oxides, smoke fumes, and 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 moderate 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 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: Prolonged or repeated skin contact may defeat the skin resulting in irritation and dermatitis.

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.

The oral toxicity of this product is estimated to be greater than 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 expected to be toxic to aquatic organisms. If applied to leaves may kill grasses and small plants by interfering with respiration and transpiration. This product is toxic to fish and may coat gill structures resulting in suffocation. Releases to the environment should be avoided.

Persistence and Degradability: Components are not 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

Aerosol containers should not be punctured, compacted in home trash compactors or incinerated. Empty containers may be disposed of through normal waste management options. Dispose of all waste product, absorbents, and other materials in accordance with applicable Federal, state and local regulations.

14 – Transportation Information

IMDG Shipping Description: UN1950, Aerosols, 2.1, LTD QTY
ICAO Shipping Description: UN1950, Aerosols, flammable, 2.1

*Note: Inner packages with less than 5 liters of liquid/ 5 kg of solid are exempt from Marine Pollutant per IMDG Code 2.10.2.7 and ICAO Special Provision A197.

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

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: This product contains an ingredient that is not listed. Only limited volumes can be imported. Contact WD40 for more information.

Japan: This product contains an ingredient that is not listed. Only limited volumes can be imported. Contact WD40 for more information.

Taiwan: All the components in this product are listed on the Taiwan chemical inventory.

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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