Safety Data Sheet



1 - Chemical Product and Company Identification

Manufacturer: WD-40 Company **Address: 9715 BusinessPark Ave** **San Diego, CA , USA** **Post code: 92131** **Telephone: +1-800-448-9340** **+1-858-251-5600** **24 Hour Emergency Phone Number:** **1-888-324-7596 (PROSAR)** **Chemical Spills:** **1-800-424-9300 (Chemtrec)** **1-703-527-3887 (International Calls)**	**Chemical Name: Mixture** **Trade Name: WD-40 Specialist Cutting Oil** **Product Use: For maintenance of cutting & drilling machinery and equipment** **SDS Date Of Preparation: 05/22/20**

2 – Hazards Identification

GHS Classification:
Flammable Aerosol Category 1
Eye Irritant Category 2A



DANGER!
H222 Extremely Flammable Aerosol.
H229 Pressurized container: may burst if heated.
H319 Causes serious eye irritation.

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.
P264 Wash thoroughly after handling.
P280 Wear 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.

Storage
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

3 - Composition/Information on Ingredients

Ingredient	CAS #	Weight Percent	GHS Classification
Distillate (Petroleum) Hydrotreated Heavy Naphthenic	64742-52-5	65-75%	Not Hazardous
Liquefied Petroleum Gas (Propane, n-Butane, Isobutane)	68476-86-8	15-25%	Flammable Gas Category 1 Gas Under Pressure, Liquefied gas
Alkyl phosphate	52933-07-0	<3%	Eye Damage Category 1

4 – First Aid Measures

Ingestion (Swallowed): Do not induce vomiting unless directed to do so by medical personnel. If conscious, rinse mouth with water. Never give anything by the mouth to an unconscious or drowsy person. Call physician, poison control center or the WD-40 Safety Hotline at 1-888-324-7596.
Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get medical attention if irritation persists.
Skin Contact: No first aid should be required. If irritation develops, rinse thoroughly with water. If irritation 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): May cause moderate eye irritation. May cause skin dryness on prolonged contact. Inhalation may cause drowsiness, dizziness and other nervous system effects.
Indication of Immediate Medical Attention or Special Treatment: Immediate medical attention is not required.

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. Use shielding to protect against bursting containers. Cool fire-exposed containers with water.
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: Eliminate all sources of ignition and ventilate area. Wear appropriate protective clothing (see Section 8).
Environmental Precautions: 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.

7 – Handling and Storage

Precautions for Safe Handling: Avoid contact with eyes. Avoid prolonged contact with skin. Avoid breathing vapors or aerosols. Intentional misuse by deliberately concentrating vapors and inhaling can be harmful or fatal. 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. Protect from physical damage. Do not store in direct sunlight, near open flames or above temperatures greater than 50°C. U.F.C (NFPA 30B) Level 3 Aerosol.

8 – Exposure Controls/Personal Protection

Chemical	**Occupational Exposure Limits**
Distillate (Petroleum) Hydrotreated Heavy Naphthenic	5 mg/m3 TWA OSHA PEL (as oil mist, mineral) 5 mg/m3 TWA (inhalable) ACGIH TLV (as mineral oil)
Propane	1000 ppm TWA OSHA PEL
n-Butane	1000 ppm STEL ACGIH TLV

Isobutane (as Butane, all isomers)	1000 ppm STEL ACGIH TLV
Alkyl phosphate	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. Always spray away from your face.
Skin Protection: No special protection is required for normal use. 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 if needed to avoid prolonged skin contact.
Respiratory Protection: None required if ventilation is adequate. If the occupational exposure limits are exceeded, 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: Eye wash facilities should be available. Wash hands after handling.

9 – Physical and Chemical Properties

Appearance:	Straw colored liquid in an aerosol can	Flammable Limits:	LEL: 1.8% UEL: 9.5% (Propellant)
Odor:	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:	324.44°C (616°F) (Petroleum)	Partition Coefficient; n-octanol/water:	Not established
Flash Point:	>165.55°C (>330°F) (Petroleum)	Autoignition Temperature:	Not established
Evaporation Rate:	<1 (Petroleum)	Decomposition Temperature:	Not established
Flammability (solid, gas):	Flammable Aerosol	Viscosity:	Not established
VOC:	Not established	Pour Point:	Not established

10 – Stability and Reactivity

Reactivity: Non-reactive
Chemical Stability: Stable under normal storage conditions.
Possibility of Hazardous Reactions: Hazardous polymerization will not occur.
Conditions to Avoid: Avoid extreme heat, flames and other sources of ignition.
Incompatible Materials: Strong oxidizers and reactive chemicals.
Hazardous Decomposition Products: Oxides of carbon, sulfur, and nitrogen.

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: Prolonged and/or repeated contact may produce mild irritation and dryness.
Eye Contact: Direct contact with eyes may cause moderate irritation with redness and tearing.
Ingestion: Swallowing is an unlikely route of exposure for an aerosol product. Swallowing may cause gastrointestinal irritation, nausea, vomiting, diarrhea, dizziness, drowsiness and other central nervous system effects.

Chronic Effects: None known.

Medical Conditions Aggravated by Exposure: Preexisting respiratory conditions may be aggravated by exposure.
Suspected Cancer Agent:
Yes No X

No data is available for the product as a whole. The following information is available for the individual components:
Distillate (Petroleum) Hydrotreated Heavy Naphthenic: Oral rat LD50: >5000 mg/kg, Skin rabbit LD50: >2000 mg/kg
Alkyl phosphate: Oral rat LD50: >2000 mg/kg, Skin rabbit LD50: >2000 mg/kg

None of the components of this product is listed as a carcinogen or suspected carcinogen or is considered a reproductive hazard.

12 – Ecological Information

Ecotoxicity: No data is currently available. This product is not expected to be harmful to the aquatic environment.
Persistence and Degradability: No data available.
Bioaccumulative Potential: No data available.
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

DOT Surface Shipping Description: UN1950, Aerosols, 2.1 Ltd. Qty
(Note: Shipping Papers are not required for Limited Quantities unless transported by air or vessel – each package must be marked with the Limited Quantity Mark)
IMDG Shipping Description: UN1950, Aerosols, 2.1, LTD QTY
ICAO Shipping Description: UN1950, Aerosols, flammable, 2.1

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

U.S. Federal Regulations:
CERCLA 103 Reportable Quantity: This product is not subject to CERCLA reporting requirements. 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: Acute Health, Fire Hazard, Sudden Release of Pressure
Section 313 Toxic Chemicals: This product contains the following chemicals subject to SARA Title III Section 313 Reporting requirements: None
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.

International Information:

China Regulations on the Control over Safety of Dangerous Chemicals: All ingredients in this product are listed on the IECSC (Inventory of Existing Chemical Substances in China 2010).
Korea: All of the components of this product are listed on the Korean chemical inventory.
Philippines: This product contains an ingredient that may require notification before sale. Contact WD40 for more information.
Japan: All of the components of this product are listed on the Japan chemical inventory.

16 – Other Information

HMIS Hazard Rating:
Health – 2 (moderate hazard), Fire Hazard – 4 (severe hazard), Physical Hazard – 0 (minimal hazard)

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