



**SPECIALIST**



## Safety Data Sheet



### 1 - Chemical Product and Company Identification

|  |   |
|--|---|
| <b>Manufacturer:</b> WD-40 Company<br><b>Address:</b> 9715 Businesspark Avenue<br>San Diego, California, USA<br>92131<br><b>Telephone:</b> +1-800-448-9340<br>+1-858-251-5600<br><b>Emergency:</b> 1-888-324-7596<br><b>Information:</b> 1-888-324-7596<br><b>Chemical Spills:</b> 1-800-424-9300 (Chemtrec)<br>1-703-527-3887 (International Calls) | <b>Chemical Name:</b> Organic Mixture<br><br><b>Trade Name:</b> WD-40 Specialist Throttle, Carb & Choke Cleaner<br><br><b>Product Use:</b> Cleaner, Lubricant<br><br><b>SDS Date Of Preparation:</b> Nov 27, 2023 |
|--|---|

### 2 – Hazards Identification

#### GHS Classification:

Aerosols Category 1  
Aspiration Toxicity Category 1  
Eye Irritant Category 2  
Skin Irritant Category 2  
Skin Sensitizer Category 1B  
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.  
H317 May cause an allergic skin reaction.  
H319 Causes serious eye 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.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P273 Avoid release to the environment.  
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.  
P302+P352 IF ON SKIN: Wash with plenty of water.  
P333+P313 If skin irritation or rash 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   |
|--|---------------------|----------------|--|
| Isohexane                                      | 107-83-5            | 35-45%         | Flammable Liquid Category 2<br>Aspiration Toxicity Category 1<br>Skin Irritant Category 2<br>Specific Target Organ Toxicity Single Exposure Category 3<br>(nervous system effects)<br>Aquatic Acute Toxicity Category 2<br>Aquatic Chronic Toxicity Category 2 |
| Acetone  | 67-64-1             | 20-30%         | Flammable Liquid Category 2<br>Eye Irritant Category 2<br>Specific Target Organ Toxicity Single Exposure Category 3<br>(nervous system effects)  |
| Liquefied Petroleum Gas<br>(propane, n-butane) | 74-98-6<br>106-97-8 | 15-25          | Flammable Gas Category 1<br>Gas Under Pressure, Compressed Gas   |
| Carbon Dioxide                                 | 124-38-9            | <10%           | Gas Under Pressure Compressed Gas  |
| D-Limonene                                     | 5989-27-5           | <5%            | Flammable Liquid Category 3<br>Aspiration Toxicity Category 1<br>Skin Irritant Category 2<br>Skin Sensitizer Category 1B<br>Aquatic Acute Toxicity Category 1<br>Aquatic Chronic Toxicity Category 1   |

### 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:** Flush thoroughly with water. Remove any contaminated clothing and launder before reuse. 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.

**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 skin irritation. Prolonged skin contact may cause drying of the skin. May cause skin sensitization. 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. Use shielding to protect against bursting containers.

**Unusual Fire and Explosion Hazards:** Extremely flammable aerosol. Contents under pressure. Highly flammable liquid and vapor. 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:** 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. Avoid prolonged contact with 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 1 Aerosol. Store away from oxidizers.

### 8 – Exposure Controls/Personal Protection

| Chemical                           | Occupational Exposure Limits   |
|------------------------------------|--|
| Isohexane (as Hexane, all isomers) | 500 ppm TWA, 1000 ppm STEL ACGIH TLV<br>500 ppm TWA, 1000 ppm STEL Korea OEL<br>500 ppm TWA, 625 ppm STEL Taiwan OEL                                   |
| Acetone                            | 500 ppm TWA, 750 ppm STEL ACGIH TLV<br>1000 ppm TWA OSHA PEL   |
| Propane                            | 1000 ppm TWA Taiwan OEL  |
| Carbon Dioxide                     | 5000 ppm TWA, 30,000 ppm STEL ACGIH TLV<br>5000 ppm TWA Japan OEL<br>5000 ppm TWA, 30,000 ppm STEL Korea OEL<br>5000 ppm TWA, 5000 ppm STEL Taiwan OEL |
| D-Limonene                         | 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 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 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 OSHA 1910.134, ANSI Z88.2 and good Industrial Hygiene practice.

**Work/Hygiene Practices:** Wash with soap and water after handling.

**9 – Physical and Chemical Properties**

|                            |                                    |   |                           |
|----------------------------|------------------------------------|---|---------------------------|
| Appearance:                | Colorless liquid in an aerosol can | Flammable Limits (Solvent portion):     | LEL: 2.5% UEL: 12.8%      |
| Odor:                      | Characteristic odor                | Vapor Pressure:                         | 231 mmHg @ 25°C (Acetone) |
| Odor Threshold:            | Not established                    | Vapor Density:                          | Not established           |
| pH:                        | Not Applicable                     | Relative Density:                       | Not established           |
| Melting/Freezing Point:    | Not established                    | Solubilities:                           | Miscible in water         |
| Boiling Point/Range:       | 56°C (132.8°F) (Acetone)           | Partition Coefficient; n-octanol/water: | Not established           |
| Flash Point:               | -20° C (-4°F) (Acetone)            | Autoignition Temperature:               | Not established           |
| Evaporation Rate:          | Not established                    | Decomposition Temperature:              | Not established           |
| Flammability (solid, gas): | Flammable Aerosol                  | 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. Do not puncture or incinerate containers.

**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 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 moderately irritating to eyes. May cause redness, stinging, swelling and tearing.

**Ingestion:** This product has low oral toxicity. Swallowing may cause gastrointestinal irritation, nausea, vomiting and diarrhea. 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. It is an aspiration hazard.

## 12 – Ecological Information

**Ecotoxicity:**

D-limonene: 96hr LC50 Fathead minnow: 720 ug/L, 48hr EC50 Daphnia magna: 0.36 mg/L, 48hr NOEC Daphnia magna: 0.074 mg/L

Isohexane: 96hr LC50 Fish: 1.915 mg/L, 48hr EC50 Daphnia magna: 3.649 mg/L, 96hr EC50 Green Algae: 4.321 mg/L

This product is classified as toxic to the aquatic environment with long-term adverse effects. Releases to the environment should be avoided.

**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: 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:** All ingredients in this product are listed in IECSC (Inventory of Existing Chemical Substances in China 2010).

**Korea:** This product is authorized for sell in Korea. Please contact WD-40 for more info.

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

**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: Nov 27, 2023

Supersedes: October 29, 2020

Prepared by: IHSC, LLC. Milford, CT, USA