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: Organic Mixture** **Trade Name: 3-IN-ONE Air Conditioner Cleaner** **Product Use: Cleaner** **SDS Date Of Preparation: June 12, 2020**

2 – Hazards Identification

GHS Classification:
Flammable Aerosol Category 1
Skin Irritant Category 3
Aquatic Acute Category 3

DANGER!
H222 Extremely flammable aerosol.
H229 Pressurized container: may burst if heated.
H316 Causes mild skin irritation.
H402 Harmful to aquatic life.

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.
P273 Avoid release to the environment.

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

Storage
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
Liquefied Petroleum Gas (propane, n-butane)	74-98-6 106-97-8	<10%	Flammable Gas Category 1 Gas Under Pressure, Liquefied gas
Ethanol	64-17-5	<5%	Flammable Liquid Category 2 Eye Irritant Category 2
Quaternary ammonium compounds, benzyl-c12-16-alkyldimethyl, chlorides	68424-85-1	<0.5%	Acute Oral Toxicity Category 4 Eye Damage Category 1 Skin Corrosion Category 1B Aquatic Acute Toxicity Category 1 Aquatic Chronic Toxicity Category 1

4 – First Aid Measures

Ingestion (Swallowed): Do not induce vomiting. Call a physician, poison control center, or the WD-40 Safety Hotline at 1-888-324-7596. Rinse mouth with water and give one eight-ounce glass of water to drink if the patient if conscious and responsive. Never give anything by mouth to an unconscious person.
Eye Contact: Flush thoroughly with water. Remove contact lenses if present after the first 5 minutes and continue flushing for several more minutes. 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): May cause mild skin irritation. Prolonged skin contact may cause drying of the skin. Inhalation of mists or vapors 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 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.
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. 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 and skin. Avoid breathing vapors or aerosols. Use only with adequate ventilation. Keep away from heat, sparks, pilot lights, hot surfaces and open flames.
Intentional misuse by deliberately concentrating vapors and inhaling can be harmful or fatal. 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
Propane	1000 ppm TWA OSHA PEL
n-Butane	1000 ppm STEL ACGIH TLV
Ethanol	1000 ppm STEL ACGIH TLV 1000 ppm TWA OSHA PEL

Quaternary ammonium compounds, benzyl-c12-16-alkyldimethyl, chlorides	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. Wash hands with soap and water after use.
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 appropriate protective clothing and chemical-resistant gloves to avoid prolonged skin contact. Wash thoroughly after handling.
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	Flammable Limits:	None
Odor:	Ethanol odor	Vapor Pressure:	Same as water
Odor Threshold:	Not established	Vapor Density:	Same as water
pH:	Not Applicable	Relative Density:	Not established
Melting/Freezing Point:	Not established	Solubilities:	Soluble in water
Boiling Point/Range:	~212°F (100°C)	Partition Coefficient; n-octanol/water:	Not Determined
Flash Point:	Not established	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, strong acids and bases.
Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, and sodium oxides.

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 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 irritating to eyes. May cause redness and tearing.
Ingestion: This product has low oral toxicity. If swallowed, this material may cause irritation of the mouth, throat and esophagus. Swallowing large amounts may cause intestinal upset.

Chronic Effects: None expected.
Medical Conditions Aggravated by Exposure: Preexisting eye, skin and respiratory conditions may be aggravated by exposure.
Suspected Cancer Agent:
Yes No X

Numerical Measures of Toxicity:
The oral toxicity of this product is estimated to be greater than 5,000 mg/kg and the dermal toxicity greater than 2,000 mg/kg based on an assessment of the ingredients. This product is not classified as toxic by established criteria. 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: Surfactant: 96hr LC50 Fathead minnow- 0.28 mg/L, 96 hr LC50 Bluegill- 0.515 mg/L, 96 hr LC50 Rainbow trout-0.85 mg/L, 28 days NOEC Fathead minnow-32.2 ug/L (Acute M-Factor: 10, Chronic M-Factor: 1).
Persistence and Degradability: Surfactant: Readily biodegradable-95.5% in 28 days.
Bioaccumulative Potential: No data is currently 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: Refer to Section 2 for the OSHA Hazard Classification.
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: Not Available

International Information:

China Regulations on the Control over Safety of Dangerous Chemicals: Not Available
Korea: Not Available
Philippines: Not Available
Japan: All of the components of this product are listed on the Japanese chemical inventory.

Taiwan: Not Available

16 – Other Information

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

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