



## Safety Data Sheet

### 1 - Chemical Product and Company Identification

<b>Manufacturer:</b> WD-40 Company <b>Address:</b> 9715 Business Park Ave San Diego, CA , USA <b>Post code:</b> 92131 <b>Telephone:</b> +1-800-448-9340 +1-858-251-5600  <b>24 Hour Emergency Phone Number:</b> 1-888-324-7596 (PROSAR) <b>Chemical Spills:</b> 1-800-424-9300 (Chemtrec) 1-703-527-3887 (International Calls)	<b>Trade Name:</b> 3-IN-ONE Air-Conditioner Cleaner  <b>Chemical Name:</b> Organic Mixture  <b>Product Use:</b> Cleaner  <b>SDS Date Of Preparation:</b> 4/23/15
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### 2 – Hazards Identification

**GHS Classification:**

Flammable Aerosol Category 1

Skin Irritant Category 3

Aquatic Acute Toxicity Category 3

Aquatic Chronic Toxicity Category 3

**DANGER!**

H222 Extremely Flammable Aerosol.

H229 Pressurized container: may burst if heated.

H316 Causes mild skin irritation.

H412 Harmful to aquatic life with long lasting effects.

**Prevention**

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

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

P251 Pressurized container: 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
2-Butoxyethanol	111-76-2	<10	Acute Oral Toxicity 4 Acute Dermal Toxicity 4 Acute Inhalation Toxicity 4 Eye Irritation 2A Skin Irritation 2

Isobutane (propellant)	75-28-5	<10	Flammable Gas 1
d-Limonene	5989-27-5	<1	Flammable Liquid 3 Aspiration Toxicity 1 Skin Irritant 2 Skin Sensitizer 1B Aquatic Acute 1 Aquatic Chronic 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 is conscious and responsive. Never give anything by mouth to an unconscious person.

**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:** Wash skin with soap and water. Remove contaminated clothing and wash before reuse. Get medical attention if irritation persists or symptoms of exposure develop.

**Inhalation (Breathing):** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

**Most Important Symptoms (acute and delayed):** May cause mild skin irritation.

**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. 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 source and open fire. Exposure of containers to extreme heat and flames can cause them to rupture often with violent force.

#### 6 – Accidental Release Measures

Wear appropriate protective clothing (see Section 8). Eliminate all sources of ignition and ventilate area. 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

**Handling:** Avoid contact with eyes. Avoid prolonged contact with skin. Avoid breathing vapors or aerosols. Use 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. **Intentional misuse by deliberately concentrating vapors and inhaling can be harmful or fatal.** 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.

**Storage:** Store in a cool, dry ventilated area. Protect from physical damage. Do not store in direct sunlight, near open flames or above temperatures greater than 120°F. Do not place can in hot water or near radiators, stoves or other sources of heat.

#### 8 – Exposure Controls/Personal Protection

Chemical	Occupational Exposure Limits
2-Butoxyethanol	20 ppm TWA ACGIH TLV

	50 ppm TWA (Skin) OSHA PEL
Isobutane	1000 ppm STEL ACGIH TLV
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. 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 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**

Boiling Point:	Not determined	Specific Gravity:	Not available
Solubility in Water:	Soluble	pH:	Not determined
Vapor Pressure:	Not available	Vapor Density:	Greater than 1
Percent Volatile:	100%	VOC:	<20%
Coefficient of Water/Oil Distribution:	Not Determined	Appearance/Odor:	Clear, colorless liquid with a citrus fragrance
Flash Point:	Greater than 200°F (concentrate)	Flammable Limits: (Propellant)	LEL: 1.8% UEL: 8.4%

**10 – Stability and Reactivity**

**Stability:** Stable

**Hazardous Polymerization:** Will not occur.

**Conditions to Avoid:** Avoid heat, sparks, flames and other sources of ignition.

**Incompatibilities:** Avoid strong oxidizers, strong bases, acids and chlorinated solvents.

**Hazardous Decomposition Products:** Burning can produce carbon monoxide and/or carbon dioxide.

**11 – Toxicological Information**

**Symptoms of Overexposure:**

**Inhalation:** Excessive inhalation can cause headache, drowsiness, nausea and lack of coordination. Can cause irritation of respiratory tract.

**Skin Contact:** Can cause skin irritation. Harmful amounts may be absorbed through the skin with symptoms similar to those under inhalation and ingestion.

**Eye Contact:** Liquid sprayed into eyes causes irritation and pain.

**Ingestion:** Symptoms are similar to those of inhalation including pain, diarrhea and vomiting. May cause damage to the liver and kidneys.

**Chronic Effects:** 2-butoxyethanol has caused lymphatic system, blood, liver and kidney damage.

**Medical Conditions Aggravated by Exposure:** Pre-existing respiratory, skin, eye, liver, kidney and lymphatic disorders.

**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:

2-Butoxyethanol: Inhalation Rat LC50 4-HR: 450 ppm; Acute oral rat LD50: 1,480 mg/kg; Acute Dermal rabbit LD50: 490 mg/kg; Irritation, Skin, rabbit, open, 500 mg: MILD; Irritation, Eye, rabbit, 18 mg: Severe

d-Limonene: Acute oral rat LD50: 4,400 mg/kg

Isobutane: No toxicity data is available

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:** 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

This product is classified as harmful 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: WD-40 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, Pressure Hazard

**Section 313 Toxic Chemicals:** This product contains the following chemicals subject to SARA Title III Section 313 Reporting requirements: 2-butoxyethanol <10% by wt. (glycol ether compound)

**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:

**Japan METI:** All of the components of this product are existing chemical substances as defined in the Chemical Substance Control Law.

**Australian Inventory of Chemical Substances:** All of the components of this product are listed on the AICS inventory.

**Korea:** All of the components of this product are listed on the ECL inventory.

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

**China:** All of the components of this product are listed on the Chinese Chemical Inventory.

#### **16 – Other Information**

**HMIS Hazard Rating:**

**Health – 2 (moderate hazard), Fire Hazard – 2 (moderate hazard), Physical Hazard – 0 (minimal hazard)**

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