



## Safety Data Sheet

### 1 - Identification

<b>Product Name:</b> WD-40 BIKE Fast Acting Foaming Degreaser (aerosol)	<b>Manufacturer:</b> WD-40 BIKE Company
<b>Product Use:</b> Cleaner, Degreaser	<b>Address:</b> 637 Valley Avenue, Suite A/B Solana Beach, California, USA 92075
<b>Restrictions on Use:</b> None identified	<b>Telephone:</b>
<b>SDS Date Of Preparation:</b> 10/16/2014	<b>Emergency only:</b> 1-888-324-7596 (PROSAR)
	<b>Information:</b> 1-888-324-7596
	<b>Chemical Spills:</b> 1-800-424-9300 (Chemtrec)
	1-703-527-3887 (International Calls)

### 2 – Hazards Identification

**Hazcom 2012/GHS Classification:**

Flammable Aerosol Category 1

Gas Under Pressure: Compressed Gas

Eye Irritant Category 2

Note: This product is a consumer product and is labeled in accordance with the US Consumer Product Safety Commission regulations which take precedence over OSHA Hazard Communication labeling. The actual container label will not include the label elements below. The labeling below applies to industrial/professional products.

**Label Elements:****DANGER!**

Extremely Flammable Aerosol.

Contains gas under pressure; may explode if heated.

Can cause serious eye irritation.

**Prevention**

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

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

Pressurized container: Do not pierce or burn, even after use.

**Response**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

**Storage**

Store locked up.

Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Store in a well-ventilated place.

**Disposal**

Dispose of contents and container in accordance with local and national regulations.

### 3 - Composition/Information on Ingredients

Ingredient	CAS #	Weight Percent	US Hazcom 2012/ GHS Classification
Surfactants	Proprietary	1-5%	Not Hazardous
Isopropanol	67-63-0	1-5%	Flammable liquid category 2 Eye irritant category 2 Specific Target Organ Toxicity Single Exposure Category 3 (nervous system effects)
2-(2-Butoxyethoxy)ethanol (Glycol Ether DB)	112-34-5	5-10%	Eye irritant category 2
Liquefied Petroleum Gas (propane, n-butane) or Isobutane propellant	68476-86-8 75-28-5	1-5%	Flammable liquid category 2 Gas Under Pressure: Compressed Gas
Non-hazardous Ingredients	Mixture	Balance	Not Hazardous

Note: The exact percentages are a trade secret.

### 4 – First Aid Measures

**Ingestion (Swallowed):** Call physician, poison control center or the WD-40 Safety Hotline at 1-888-324-7596 immediately if symptoms or irritation occurs.

**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.

**Signs and Symptoms of Exposure:** May cause eye irritation. Excessive inhalation can cause headache, drowsiness, and nausea. Can cause irritation of respiratory tract. Swallowing may cause gastrointestinal irritation. Skin contact may cause drying of the skin.

**Indication of Immediate Medical Attention/Special Treatment Needed:** Immediate medical attention is needed for ingestion.

### 5 – Fire Fighting Measures

**Suitable (and unsuitable) 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.

**Specific Hazards Arising from the Chemical:** 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. A vapor and air mixture can create an explosion hazard in confined spaces. Combustion will produce oxides of carbon.

**Special Protective Equipment and Precautions for Fire-Fighters:** 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.

### 6 – Accidental Release Measures

**Personal Precautions, Protective Equipment and Emergency Procedures:** Wear appropriate protective clothing (see Section 8). Eliminate all sources of ignition and ventilate area.

**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:** Store in a cool, well-ventilated area, away from incompatible materials Do not store above 120°F or in direct sunlight. U.F.C (NFPA 30B) Level 1 Aerosol. Store away from oxidizers.

### 8 – Exposure Controls/Personal Protection

Chemical	Occupational Exposure Limits
Surfactants	None Established
Isopropanol	200 ppm TWA, 400 ppm STEL ACGIH-TLV 400 ppm OSHA OEL
2-(2-Butoxyethoxy)ethanol	35 ppm TWA manufacturer recommended
Propane	1000 ppm TWA ACGIH TLV 1000 ppm TWA OSHA PEL
n-Butane	1000 ppm TWA ACGIH TLV
Isobutane	1000 ppm TWA ACGIH TLV
Non-hazardous Ingredients	None Established

#### The Following Controls are Recommended for Normal Consumer Use of this Product

**Appropriate Engineering Controls:** Use in a well-ventilated area.

**Personal Protection:**

**Eye Protection:** Avoid eye contact. Always spray away from your face.

**Skin Protection:** Avoid prolonged skin contact. Chemical resistant gloves recommended for operations where 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

**Appropriate 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	Flammable Limits:	LEL: 1.8% UEL: 9.5% (propellant)
Odor:	Citrus odor	Vapor Pressure:	Not established
Odor Threshold:	Not established	Vapor Density:	Not determined
pH:	10.5-11.5	Relative Density:	Not Determined
Melting/Freezing Point	Not established	Solubilities:	Complete
Boiling Point/Range:	212°F (100°C) (concentrate)	Partition Coefficient; n-octanol/water:	Not established
Flash Point:	<0°F (Propellant) 59°F (15°C) (concentrate with propellant ASTM D3828/US 16CFR 1500.45) >212°F (100°C) (concentrate only)	Autoignition Temperature:	Not established
Evaporation Rate:	Not established	Decomposition	Not established

		Temperature:	
Flammability (solid, gas)	Flammable Aerosol	Viscosity:	Not established
VOC:	6.5% (33.4 g/L)	Pour Point:	Not established

### 10 – Stability and Reactivity

**Reactivity:** Not reactive under normal conditions

**Chemical Stability:** Stable

**Possibility of Hazardous Reactions:** May react with strong oxidizers generating heat.

**Conditions to Avoid:** Avoid heat, sparks, flames and other sources of ignition. Do not puncture or incinerate containers.

**Incompatible Materials:** Strong acids, alkalis, and oxidizers.

**Hazardous Decomposition Products:** Carbon monoxide and carbon dioxide.

### 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 skin irritation with short-term exposure with redness, itching and burning of the skin. Prolonged and/or repeated contact may produce defatting and 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.

**Chronic Effects:** 2-(2-butoxyethoxy) ethanol has caused effects on the liver and kidneys in studies with laboratory animals.

**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:

Surfactant: Oral rat LD50: 412-2394 mg/kg, Dermal rabbit LD50 1127-2395 mg/kg, Inhalation rat LC50 1.06 mg/L/4 hr

Isopropanol: Inhalation rat LC50 16,000 ppm/8 hr, Oral rat LD50 5045 mg/kg, Dermal rabbit LD50 12,800 mg/kg

2-(2-Butoxyethoxy)ethanol: Oral rat LD50: 5660 mg/kg; Dermal rabbit LD50: 4000 mg/kg

Liquefied Petroleum Gas: No toxicity data is available

Isobutane: Inhalation rat LC50 570000 ppm/15 min.

### 12 – Ecological Information

**Ecotoxicity:** No specific aquatic toxicity data is currently available, however components of this product are not expected to be harmful to aquatic organisms

**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

If this product becomes a waste, it would be expected to meet the criteria of a RCRA ignitable hazardous waste (D001). However, it is the responsibility of the generator to determine at the time of disposal the proper classification and method of disposal. Do not puncture or incinerate containers, even empty. Dispose in accordance with 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, however, oil spills are reportable to the National Response Center under the Clean Water Act and 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, Chronic 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: 2-(2-Butoxyethoxy)ethanol 5-10% (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.

**VOC Regulations:** This product complies with the consumer product VOC limits of CARB, the US EPA and states adopting the OTC VOC rules.

**California Safe Drinking Water and Toxic Enforcement Act (Proposition 65):** This product does not contain chemicals regulated under California Proposition 65.

**Canadian Environmental Protection Act:** One of the components is listed on the NDSL. All of the other ingredients are listed on the Canadian Domestic Substances List or exempt from notification.

**Canadian WHMIS Classification:** Class A (Compressed Gas), Class B-5 (Flammable Aerosol), Class D-2-B (Toxic material causing other chronic effects)

This SDS has been prepared according to the criteria of the Controlled Products Regulation (CPR) and the SDS contains all of the information required by the CPR.

## 16 – Other Information:

### HMIS Hazard Rating:

**Health – 1 (slight hazard), Fire Hazard – 4 (severe hazard), Physical Hazard – 0 (minimal hazard)**

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Revision Summary: Convert to Hazcom 2012. Changes in all sections.

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