



WD-40 Company
Material Safety Data Sheet



1 - Chemical Product and Company Identification

Manufacturer: WD-40 Company		Trade Name: Spot Shot Large Area Multi-Purpose Cleaner 20 oz.
Address:	1061 Cudahy Place (92110) P.O. Box 80607 San Diego, California, USA 92138 -0607	Chemical Name: Organic Mixture
Telephone:		Product Use: Cleaner
Emergency only:	1-888-324-7596	MSDS Date Of Preparation: 1/26/08
(PROSAR)		
Information:	1-888-324-7596	

2 – Hazards Identification

<p>Emergency Overview: CAUTION! Contents under pressure. Avoid heat and flames. May cause eye, skin and respiratory tract irritation. Harmful if intentionally inhaled. Harmful if absorbed through skin. May affect liver, kidneys, blood, lymphatic system or central nervous system.</p> <p>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.</p> <p>Suspected Cancer Agent: Yes No <input checked="" type="checkbox"/></p>

3 - Composition/Information on Ingredients

Ingredient	CAS #	Weight Percent
2-Butoxyethanol	111-76-2	<10%
Liquefied Petroleum Gas (Propane, n-Butane)	74-98-6, 106-97-8	<5%

See Section 8 for Exposure Limits

4 – First Aid Measures

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

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: 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, hot surfaces and open flames. Do not smoke or use around open flames or sources of extreme heat. **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 or incinerate containers.

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
Propane	1000 ppm TWA ACGIH TLV 1000 ppm TWA OSHA PEL
n-Butane	1000 ppm TWA ACGIH TLV

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 prevent 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:	-44°F (Propellant)	Specific Gravity:	0.9713
Solubility in Water:	Complete	pH:	Not Applicable
Vapor Pressure:	Not available	Vapor Density:	Greater than 1
Percent Volatile:	Not Established	VOC:	Not Established
Coefficient of Water/Oil Distribution:	Not Determined	Appearance/Odor	Aerosol foam with a mild glycol ether odor.
Flash Point:	Not flammable per Flame Extension Test	Flammable Limits: (Propellant)	LEL: 1.8% UEL: 9.5%

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

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 kg/kg; Irritation, Skin, rabbit, open, 500 mg: MILD; Irritation, Eye, rabbit, 18 mg: Severe

Liquefied Petroleum Gas: 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

No data is currently available.

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: Consumer Commodity, ORM-D

IMDG Shipping Description: UN1950, Aerosols, 2, LTD QTY

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, 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

Canadian Environmental Protection Act: All of the ingredients are listed on the Canadian Domestic Substances List or exempt from notification

Canadian WHMIS Classification: Class A (compressed gas), Class D-2-B (Toxic material causing other toxic effects)

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

16 – Other Information:

HMIS Hazard Rating:

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

Revision Date: January 2008

Supercedes: March 2002

SIGNATURE:  TITLE: Director of Global Quality Assurance

REVISION DATE: January 26, 2008 SUPERSEDES: December 2004