



Material Safety Data Sheet

1 - Chemical Product and Company Identification

Manufacturer: WD-40 Company	Trade Name: WD-40 Spot Shot Instant Carpet Stain Remover Aerosol
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 (PROSAR)	MSDS Date Of Preparation: 08/13/12
Information: 1-888-324-7596	

2 – Hazards Identification

Emergency Overview:

CAUTION! Contents under pressure. Avoid heat and flames. May cause mild skin, and respiratory tract irritation. Harmful if intentionally inhaled. Maybe harmful if absorbed through skin. May affect liver, kidneys, blood, lymphatic system or central nervous system.

Symptoms of Overexposure:

Inhalation: Excessive inhalation can cause headache, drowsiness, nausea and lack of coordination. Can cause irritation of respiratory tract. Overexposure to propellant may cause respiratory depression, heart rate rhythm irregularities, headache, shortness of breath, and unconsciousness.

Skin Contact: Can cause mild 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 may cause mild irritation.

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

3 - Composition/Information on Ingredients

Ingredient	CAS #	Weight Percent
2-(2-Butoxyethoxy) ethanol	112-34-5	<10%
2-Butoxyethanol	111-76-2	<5%
Liquefied Petroleum Gas	68476-86-8	<10%

See Section 8 for Exposure Limits

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: Flush eyes with plenty of water, 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.

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. Place leaking can in an open container in a well ventilated area until 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

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-(2-Butoxyethoxy) ethanol	7 ppm TWA ACGIH Proposed TLV (Inhalable fraction and vapor) 35 ppm TWA manufacturer recommended
2-Butoxyethanol	20 ppm TWA ACGIH TLV 50 ppm TWA (Skin) OSHA PEL
Liquefied Petroleum Gas	1000 ppm TWA ACGIH TLV 1000 ppm TWA OSHA PEL

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 – 341°F (Propellant)	Specific Gravity:	0.9713
Solubility in Water:	Partial	pH:	Not Applicable
Vapor Pressure:	Not available	Vapor Density:	Greater than 1
Percent Volatile:	Not Established	VOC:(By calculation)	8.8%
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: 1.1% UEL: 10.6%

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

This product has been determined to be mildly irritating to the eyes by using a quantitative in vitro test method that mimics an acute ocular irritation test.

The following information is available for the individual components:

2-(2-Butoxyethoxy) ethanol: Acute oral rat LD50: 4,500 mg/kg; Acute Dermal rabbit LD50: 4,120 mg/kg;

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

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 until 12/31/2013

After 1/1/2014 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

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, Chronic Health, Pressure Hazard

Section 313 Toxic Chemicals: This product contains the following chemicals subject to SARA Title III Section 313 Reporting requirements:

2-butoxyethanol: <5% by wt. (glycol ether compound)

2-(2-Butoxyethoxy) ethanol: <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 B 5 (Flammable aerosol), 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 – 1 (moderate hazard), Fire Hazard – 2 (moderate hazard), Reactivity – 0 (minimal hazard)

Prepared by: Industrial Health & Safety Consultants, Inc., Shelton, CT

SIGNATURE:  _____

TITLE: Adm. Scientific Manager

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