



WD-40 Company

Material Safety Data Sheet



1 - Chemical Product and Company Identification

Manufacturer: WD-40 Company	Chemical Name: Mixture
Address: 1061 Cudahy Place (92110) P.O. Box 80607 San Diego, California, USA 92138 -0607	Trade Name: Carpet Fresh No Vacuum 15% VOC (all fragrances)
Telephone:	Product Use: Rug and Room Deodorizer
Emergency only: 1-888-324-7596 (PROZAR)	MSDS Date Of Preparation: 03/22/07
Information: 1-888-324-7596	

2 - Composition/Information on Ingredients

Ingredient	CAS #	Weight Percent
Isopropanol	67-63-0	<3%
Fragrance	Mixture	<1%
Propellant (propane, n-butane)	74-98-6/106-97-8	10-15%

See Section 8 for Exposure Limits

3 - Hazards Identification

CLEAR, COLORLESS AEROSOL SPRAY. PLEASANT ODOR.

Emergency Overview:

WARNING! CONTENTS UNDER PRESSURE. KEEP AWAY FROM HEAT, FLAMES AND DIRECT SUNLIGHT. DO NOT PUNCTURE, CRUSH OR INCINERATE (BURN) CAN, EVEN EMPTY. MAY CAUSE EYE IRRITATION.

Avoid breathing concentrated vapors. Use with adequate ventilation. Avoid getting on skin, in eyes, and on clothing. Wash thoroughly after handling.

Symptoms of Overexposure:

Inhalation: No adverse effects expected in an otherwise healthy individual exposed to this product during normal use. Excessive inhalation can cause headache, drowsiness, nausea and lack of coordination. Breathing large amounts of spray may cause irritation of respiratory tract.

Skin Contact: May cause mild skin irritation. Prolonged or repeated skin contact may cause allergic reaction in susceptible individuals.

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

Ingestion: Swallowing is an unlikely route of exposure for an aerosol product . Swallowing large amounts may produce mild gastrointestinal upset involving nausea, vomiting and diarrhea.

Chronic Effects: None known.

Medical Conditions Aggravated by Exposure: Pre-existing respiratory and skin disorders.

Suspected Cancer Agent:

Yes No X

4 - First Aid Measures

Ingestion (Swallowed): Swallowing is an unlikely route of exposure for an aerosol product. Do not induce vomiting. Call physician, poison control center or the WD-40 Safety Hotline at 1-888-324-7596. 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, lifting upper and lower eyelids occasionally. Get medical attention if irritation persists

Skin Contact: Flush skin with water. Get medical attention if irritation persists or other symptoms develop.
Inhalation (Breathing): Remove to fresh air. Get medical attention if irritation or other symptoms persist.

5 – Fire Fighting Measures

Flash Point: Not flammable in flame projection test, no flashback. The liquid is not flammable or combustible.
Flammable Limits: Propellant LEL 1.8% UEL 9.5%
Aerosol Protection Level (NFPA 30B): Level 1
Extinguishing Media: Carbon dioxide, dry chemical, water fog.
Special Fire Fighting Instructions: Keep fire-exposed containers cool with water spray. In the event of a fire, wear full protective clothing and a NIOSH approved self-contained breathing apparatus with full face piece and operated in positive pressure mode. Use shielding to protect from bursting cans.
Unusual Fire and Explosion Hazards: Exposure of containers to extreme heat and flames can cause them to rupture often with violent force and subsequent fire.

6 – Accidental Release Measures

Ventilate area of spill and remove all sources of ignition. Observe all hazards mentioned in Section 3. Wear personal protective equipment specified in Section 8. Move leaking cans to a well ventilated area and allow propellant to dissipate if it is safe to do so. Collect liquid with an inert absorbent and place in a suitable container for disposal.

7 – Handling and Storage

Handling: Use with adequate ventilation. 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. Avoid getting in eyes or on skin and clothing. Do not breathe vapors. Wash thoroughly after handling, and wash contaminated clothing before reuse. Do not crush, puncture or incinerate containers. Do not place can in hot water or near radiators, stoves or other sources of heat.
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.

8 – Exposure Controls/Personal Protection

Chemical	Occupational Exposure Limits
Isopropanol	200 ppm TWA, 400 ppm STEL ACGIH-TLV 400 ppm TWA OSHA PEL
Fragrance	None Established
Propane	1000 ppm TWA ACGIH TLV
n-Butane	1000 ppm TWA ACGIH TLV 1000 ppm TWA OSHA PEL

The Following Controls are Recommended for Normal Consumer Use of this Product
Engineering Controls: Good general ventilation is adequate for normal use. When using large amounts, open windows or use a fan to ventilate the area.
Personal Protection:
Eye Protection: Avoid eye contact. Always spray product away from your face.
Skin Protection: Avoid prolonged or repeated skin contact. Wash hands with soap and water after use.
Respiratory Protection: None required. Use in a well-ventilated area.

For Bulk Processing or Workplace Use the Following Controls are Recommended

Engineering Controls: A system of local and/or general exhaust is recommended to control airborne levels below the occupational exposure limits

Personal Protection:

Eye Protection: Safety glasses with side shields or chemical goggles are recommended.

Skin Protection: Wear appropriate protective clothing and chemical-resistant gloves to avoid prolonged or repeated skin contact. Wash thoroughly after handling.

Respiratory Protection: Use in a well-ventilated area. Appropriate respiratory protection shall be worn when applied engineering controls are not adequate to protect against inhalation exposure.

Work/Hygiene Practices: Eye wash facilities should be available. Wash hands before eating and smoking.

9 – Physical and Chemical Properties

Vapor Pressure:	Not Determined	Vapor Density (air = 1):	>1
Specific Gravity (Water = 1):	Approx. 1 (concentrate)	Evaporation Rate (Butyl Acetate = 1):	Less than 1
Boiling Range: -	Approx. 212°F	% Volatiles by Volume:	98%
Solubility in water (20 C):	Soluble	VOC's:	15%
Appearance and Odor:	Clear, colorless, aerosol spray. Pleasant odor.	Coefficient of Water/Oil Distribution:	Not Determined

10 – Stability and Reactivity

Stability: Stable under normal storage conditions.

Hazardous Polymerization: Will not occur.

Conditions to Avoid: Extreme heat, sources of ignition, physical damage to aerosol can.

Incompatibilities: Strong oxidizers.

Hazardous Decomposition Products: None known.

11 – Toxicological Information

Isopropanol

Inhalation LC50 (ppm) 8-HR: 16,000 ppm (rat) Acute oral LD50 (mg/kg): 5045 (rat)

Acute Dermal LD50 (kg/kg): 12,800 (rabbit)

Fragrance: No data is available

Liquefied Petroleum Gas: No data is available

12 – Ecological Information

This product is not expected to be harmful for the environment.

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 Classification: Consumer Commodity ORM-D

Canadian TDG Classification: Consumer Commodity

15 – Regulatory Information

SARA 302: None found

SARA 311/312 Hazard Categories: Immediate (acute), Flammability, Pressure

SARA 313: Toxic Chemicals: None

OSHA: Hazardous under criteria of the OSHA Hazard Communication Standard (29 CFR 1910.1200)

California Proposition 65: No components listed.

Canadian WHMIS Classification: Class B-5 (Flammable Aerosol), Class D, Division 2, Subdivision B (Toxic material causing other chronic 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 (slight hazard), Fire Hazard – 2 (moderate hazard), Reactivity – 0 (minimal hazard)

Prepared By: Industrial Health & Safety Consultants, Inc.

SIGNATURE:  TITLE: Director of Global Quality Assurance

REVISION DATE: 3/22/07 SUPERSEDES: New MSDS

This MSDS complies with OSHA guidelines set by 29 CFR 1910.1200 and the Canadian WHMIS regulations. The foregoing information has been compiled from sources believed to be accurate but is not warranted to be. Recipients are advised to confirm in advance of need that data is correct. Standards change without notice. It is the responsibility of the recipient to insure that their personnel have been notified of any changes which may affect them. The data provided on this MSDS are not meant to be used as specifications, only as guideline information as to the safe use of this product. User should refer to applicable laws before use.