

no
vac



Safety Data Sheet

1 – Product Identifier & Identity for the Chemical

Manufacturer: WD-40 Company Australia Pty Ltd	Product Name: No Vac Instant Spot and Stain Remover
Address: 41 Rawson Street (Level 2, Suite 23) Epping NSW, 2121, Australia	Chemical Name: Mixture
Telephone: Information: +61 2 9868 2200 Emergency only: 1800 024 973	Product Use: Carpet stain remover
Poisons Information Centre: Australia: 13 11 26	Restriction on Use: None Identified
	SDS Date Of Preparation: 7 December 2017

2 – Hazards Identification

Classification of the Hazardous Chemical (in accordance with WHS Regulation)

Health	Environmental	Physical
Eye Irritant Category 2 Skin Irritant Category 2	Not Hazardous	Flammable Aerosol Category 1 Gas Under Pressure: Compressed Gas

Label Elements



Danger!

H222 Extremely flammable aerosol.
H280 Contains gas under pressure: may explode if heated.
H315 Causes skin irritation.
H319 Causes serious eye irritation.

Prevention

P210 Keep away from heat, sparks, open flames and 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.
P264 Wash thoroughly after handling.
P280 Wear protective gloves and eye protection.

Response

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists: Get medical attention.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P332+P313 If skin irritation occurs: Get medical attention.
P362 Take off contaminated clothing and wash before reuse.

Storage

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
P403 Store in a well-ventilated place.

Other Hazards that do not Result in Classification: None

3 - Composition/Information on Ingredients

Ingredient	CAS #	Weight Percent	Substance Classification
Water	7732-18-5	>60%	Not Hazardous
2-Butoxyethanol	111-76-2	10-<20%	Acute Tox. Cat 4 (H302) Acute Tox. Cat 4 (H312) Acute Tox. Cat 4 (H332) Eye Irrit. Cat 2 (H319) Skin Irrit. Cat 2 (H315)
Propellant (n-Butane, Iso-Butane, Propane)	106-97-8/ 75-28-5/ 74-98-6	<10%	Flam. Gas Cat 1 (H220) Press. Gas (H280)

See Section 16 for full text of GHS Classification and H phrases

4 – First Aid Measures

Ingestion (Swallowed): Rinse out mouth and give sips of water. Do not induce vomiting unless directed to do so by medical personnel. Call a Poisons Information Center (phone 13 11 26 from anywhere in Australia).

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.

Most Important Symptoms: May cause moderate eye and skin irritation. Excessive inhalation can cause headache, drowsiness, nausea, and lack of coordination. Ingestion of the liquid may cause mild gastrointestinal upset involving nausea, vomiting and diarrhea. May affect liver, kidneys, blood, lymphatic system or central nervous system.

Indication of Immediate Medical Attention and Special Treatment, if Needed: Immediate medical attention is not normally required.

5 – Fire Fighting Measures

Suitable Extinguishing Media: Use water fog, dry chemical, carbon dioxide or foam. Cool fire exposed containers with water.

Specific Hazards Arising from the Chemical: 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. A propellant and air mixture can create an explosion hazard in confined spaces.

Special Protective Equipment and Precautions for Fire-Fighters: Firefighters should always wear positive pressure self-contained breathing apparatus and full protective clothing. Use shielding to protect against bursting containers. Cool fire-exposed containers with water.

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.

Environmental Precautions: Report spills to authorities as required.

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.

7 – Handling and Storage

Precautions for Safe Handling: Avoid prolonged contact with eyes and skin. Avoid breathing vapors or aerosols. Intentional misuse by deliberately concentrating vapors and inhaling can be harmful or fatal. 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, including any incompatibilities: Store in a cool, dry, ventilated area away from incompatible materials. Protect from physical damage. Do not store in direct sunlight, near open flames or above temperatures greater than 50°C.

8 – Exposure Controls /Personal Protection

Chemical	Occupational Exposure Limits	Biological Limit Value
Water	None Established	None Established
2-Butoxyethanol	20 ppm TWA, 50 ppm STEL AU OEL 20 ppm TWA ACGIH TLV	Butoxyacetic acid (BAA) in urine, End of shift, 200 mg/g creatinine
n-Butane	800 ppm TWA AU OEL 1000 ppm STEL ACGIH TLV (as Butane, all isomers)	None Established
Iso-Butane	1000 ppm STEL ACGIH TLV (as Butane, all isomers)	None Established
Propane	Asphyxiant – See Chapter 10 of Safe Work Australia Exposure Standard	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 product away from your face.

Skin Protection: Avoid prolonged or repeated 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

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. Wash thoroughly after handling.

Respiratory Protection: None required if ventilation is adequate. If the occupational exposure limits are exceeded, wear an approved respirator. Respirator selection and use should be based on contaminant type, form and concentration. Follow applicable regulations and good Industrial Hygiene practice.

Work/Hygiene Practices: Eye wash facilities should be available. Wash hands after handling.

Other Protective Equipment: None required.

9 – Physical and Chemical Properties

Appearance and Odor:	Aerosol spray with a	Partition Coefficient of	Not determined
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	pleasant odor	n-octanol/water:	
Odor Threshold:	Not determined	Auto-ignition temperature:	Not determined
pH:	Not determined	Decomposition Temperature:	Not determined
Melting/Freezing Point:	Not applicable	Viscosity:	Not determined
Boiling Point / Range:	100°C (212°F) (Water)	Specific Heat Value:	Not determined
Flash Point:	Not determined	Particle Size:	Not applicable
Evaporation Rate (Butyl Acetate = 1):	<1 (liquid)	VOC:	Not determined
Flammability (solid, gas):	Not applicable	Percent Volatile:	Not determined
Flammable Limits:	LEL: 1.3% UEL: 10.6% (2-Butoxyethanol)	Saturated Vapor Concentration:	Not determined
Vapor Pressure:	Not determined	Release of invisible flammable vapors and gases:	Not determined
Vapor Density (air = 1):	>1	Aerosol Protection Level (NFPA 30B):	1
Relative Density (Water = 1):	Not determined	Solubility:	Miscible in water

10 – Stability and Reactivity

Reactivity: Not reactive under normal conditions.

Chemical Stability: Stable under normal storage conditions.

Possibility of Hazardous Reactions: Hazardous polymerization will not occur.

Conditions to Avoid: Avoid extreme heat, flames and other sources of ignition. Avoid physical damage to aerosol can.

Incompatible Materials: Avoid strong oxidizers and strong acids.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, aldehydes, ketones and organic acids.

11 – Toxicological Information

Health Hazards:

Ingestion: Swallowing is an unlikely route of exposure for an aerosol product. Swallowing large amounts of liquid may produce mild gastrointestinal upset involving nausea, vomiting and diarrhea. May cause damage to the liver and kidneys.

Eye Contact: Liquid sprayed into eyes may cause moderate eye irritation.

Skin Contact: May produce moderate skin irritation. Prolonged and/or repeated contact may cause defatting with possible dermatitis.

Inhalation: Excessive inhalation can cause headache, drowsiness, nausea and lack of coordination. Overexposure to propellant may cause respiratory depression, heart rate rhythm irregularities, headache, shortness of breath, and unconsciousness. Intentional abuse may be harmful or fatal.

Chronic Exposure: 2-Butoxyethanol has caused lymphatic system, blood, liver and kidney damage.

Medical Conditions Aggravated by Exposure: Preexisting eye, skin and respiratory conditions may be aggravated by exposure.

Acute Toxicity Values:

2-Butoxyethanol: Oral rat LD50: 1414 mg/kg, Inhalation Rat LC50: 450 ppm/4hr, Skin rabbit LD50: 435-841 mg/kg

Skin Corrosion/Irritation: No data available for mixture. Based on the ingredients, this product is classified as a skin irritant.

Serious Eye Damage/Irritation: No data available for mixture. Based on the ingredients, this product is classified as an eye irritant.

Respiratory or Skin Sensitization: This product is not expected to cause sensitization.

Germ Cell Mutagenicity: None of the components have been found to be mutagenic.

Carcinogenicity: None of the components are listed as a carcinogen or suspected carcinogen by IARC, NTP, ACGIH, US OSHA or the EU CLP.

Reproductive Toxicity: None of the components are known to cause adverse reproductive effects.

Specific Target Organ Toxicity:

Single Exposure: No data available.

Repeated Exposure: No data available.

Aspiration Hazard: Based on the ingredients, this product is not expected to present an aspiration hazard.

12 – Ecological Information

Ecotoxicity:

2-Butoxyethanol: 96 hr LC50 *Oncorhynchus mykiss* 1474 mg/L, 48 hr EC50 *daphnia magna* 1550 mg/L, 72 hr EC50 *Pseudokirchnerella subcapitata* 911 mg/L

Persistence and Degradability: Solvents are readily biodegradable.

Bioaccumulative Potential: Bioaccumulation is not expected based on an assessment of the ingredients.

Mobility in Soil: No data available.

Other Adverse Effects: None Known

13 - Disposal Considerations

Safe Handling and Disposal Method: Aerosol containers should not be punctured, compacted in home trash compactors or incinerated.

Disposal of Contaminated Packaging: Empty containers may be disposed of through normal waste management options.

Environmental Regulations: Dispose of all waste product, absorbents, and other materials in accordance with applicable Federal, state and local regulations.

14 – Transportation Information

IMDG Shipping Name: Aerosols

IMDG Hazard Class: 2.1

UN Number: UN1950

Marine Pollutant: No

IATA Shipping Name: Aerosols, Flammable

IATA Hazard Class: 2.1

UN Number: UN1950

ADG Shipping Name: Aerosols

ADG Hazard Class: 2.1

UN Number: UN1950

Hazchem (Emergency Action) Code: 2YE (ADG7)

Special Precautions for User: WD-40 Company 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

Montreal Protocol (Ozone Depleting Substances): None present

The Stockholm Convention (Persistent Organic Pollutants): None present

The Rotterdam Convention (Prior Informed Consent): Not applicable

Basel Convention: Not applicable

International Convention for the Prevention of Pollution from Ships (MARPOL): None present

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP): 2-Butoxyethanol is listed in Schedule 6.

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

16 – Other Information

REVISION DATE: 7 December 2017

SUPERSEDES: 25 November 2014

Prepared By: Industrial Health & Safety Consultants, Inc.

Full Text of GHS Classification and H Phrases from Section 3:

Acute Tox. Cat 4 Acute Toxicity Category 4

Eye Irrit. Cat 2 Eye Irritant Category 2

Flam. Gas Cat 1 Flammable Gas Category 1

Press. Gas Compressed Gas

Skin Irrit. Cat 2 Skin Irritant Category 2

H220 Extremely flammable gas.

H280 Contains gas under pressure; may explode if heated.

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

List of Abbreviations or Acronyms:

ACGIH American Conference of Industrial Hygienists

ADG Australian Dangerous Goods

AICS Australian Inventory of Chemical Substances

AU Australia

EC Effective Concentration

EU European Union

GHS Globally Harmonized System of Classification and Labelling of Chemicals

HSNO Hazardous Substances and New Organisms

IARC International Agency of Research on Cancer

IATA International Air Transport Association

IMDG International Maritime Dangerous Goods

LC Lethal Concentration

LD Lethal Dosage

LEL Lower Explosive Limit

NTP National Toxicology Program

OEL Occupational Exposure Limits

PEL Permissible Exposure Limit

SDS Safety Data Sheet

STEL Short Term Exposure Limit

TWA Time-Weighted Average

UEL Upper Explosive Limit

US OSHA United States Occupational Safety and Health Administration

VOC Volatile Organic Compounds

WHS Work Health and Safety

REVIEWED BY: I. Kowalski

TITLE: Manager Regulatory Affairs

This SDS complies with Australian guidelines for SDS. 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 SDS 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.

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