



Safety Data Sheet

1 – Product Identifier & Identity for the Chemical

Manufacturer: WD-40 Company Australia Pty Ltd Address: 41 Rawson Street (Level 2, Suite 23) Epping NSW, 2121, Australia Telephone: Information: +61 2 9868 2200 Emergency only: 1800 862 115 Poisons Information Centre: Australia: 13 11 26 New Zealand: 0800 764 766 New Zealand Contact Details: Name: Eproducts New Zealand Limited Address: 7D Orbit Drive Albany New Zealand Telephone: Information: 09 916 6750 Emergency only: 0800 425 459	Product Name: WD-40 Specialist Spray & Stay Chemical Name: Mixture Product Use: Lubricant, Penetrant, Drives Out Moisture, Removes and Protects Surfaces From Corrosion Restriction on Use: None Identified SDS Date Of Preparation: 3 March 2020 This SDS applies to unit codes: 21027
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2 – Hazards Identification

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

Health	Environmental	Physical
Aspiration Toxicity Category 1	Not Hazardous	Aerosol Category 1

Label Elements



Contains: Distillates (Petroleum), hydrotreated light

Danger!

H222 Extremely flammable aerosol.
H229 Pressurized container: may burst if heated.
H304 May be fatal if swallowed and enters airways.
AUH066 Repeated exposure may cause skin dryness or cracking.

Prevention

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211 Do not spray on an open flame or other ignition source.
P251 Do not pierce or burn, even after use.

Response

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor.

P331 Do NOT induce vomiting.

Storage

P405 Store locked up.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

Disposal

P501 Dispose of contents and container in accordance with local and national regulations.

Other Hazards that do not Result in Classification: None known.

3 - Composition/Information on Ingredients

Ingredient	CAS #	Weight Percent	Substance Classification
Liquefied Petroleum Gas (Propane, n-Butane, Isobutane)	74-98-6 106-97-8 75-28-5	10-<30%	Flam. Gas Cat 1 (H220) Press. Gas (H280)
Distillates (Petroleum), hydrotreated light	64742-47-8	10-<30%	Flam. Liq. Cat 4 (H227) Asp. Tox. Cat 1 (H304) AUH066
Residual oils (petroleum), solvent-refined (contains <3% DMSO)	64742-01-4	10-<30%	Not Hazardous
Petroleum Base Oils	Mixture	10-<30%	Not Hazardous
Mineral Oil (contains <3% DMSO)	64742-52-5	<10%	Asp. Tox. Cat 1 (H304) Skin Irrit. Cat 2 (H315)

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

4 – First Aid Measures

Ingestion (Swallowed): Aspiration Hazard. DO NOT induce vomiting. Call a Poisons Information Center (phone 13 11 26 from anywhere in Australia or 0800 764 766 in New Zealand) immediately.

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, 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 eye irritation. Prolonged or repeated skin contact may cause mild irritation and defatting dermatitis. Inhalation of oil mists may cause headache, dizziness, nausea and other symptoms of central nervous system depression. Accidental ingestion may cause gastrointestinal effects with irritation, nausea, vomiting, dizziness, coma and death. Aspiration into the lungs during ingestion or vomiting may cause lung damage.

Indication of Immediate Medical Attention and Special Treatment, if Needed: Immediate medical attention is required for ingestion.

5 – Fire Fighting Measures

Suitable 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 source and open fire. Exposure of containers to extreme heat and flames can cause them to rupture often with violent force. Vapors are heavier than air and may travel along surfaces to remote ignition sources and flash back. A vapor and air mixture can create an explosion hazard in confined spaces. Thermal decomposition of the liquid will produce oxides of carbon and hydrocarbons.

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 contact with eyes. Avoid prolonged contact with 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
Propane	Asphyxiant – See Chapter 10 of Safe Work Australia Exposure Standard NZ-WESes: Simple Asphyxiant-may present an explosion hazard	None Established
n-Butane	800 ppm TWA AU OEL 800 ppm TWA NZ OEL 1000 ppm STEL ACGIH TLV (as Butane, all isomers)	None Established
Iso-butane	NZ-Simple Asphyxiant-may present an explosion hazard 1000 ppm STEL ACGIH TLV (as Butane, all isomers)	None Established
Distillates (Petroleum), hydrotreated light	1200 mg/m ³ TWA (Total Hydrocarbons) (manufacturer recommended)	None Established
Residual oils (petroleum), solvent-refined	5 mg/m ³ TWA AU OEL (as oil mist, refined mineral) 5 mg/m ³ TWA, 10 mg/m ³ STEL NZ OEL (as oil mist, mineral) 5 mg/m ³ TWA ACGIH TLV (inhalable) (as mineral oil)	None Established
Petroleum Base Oils	5 mg/m ³ TWA AU OEL (as oil	None Established

	mist, refined mineral) 5 mg/m ³ TWA, 10 mg/m ³ STEL NZ OEL (as oil mist, mineral) 5 mg/m ³ TWA ACGIH TLV (inhalable) (as mineral oil)	
Mineral Oil	5 mg/m ³ TWA AU OEL (as oil mist, refined mineral) 5 mg/m ³ TWA, 10 mg/m ³ STEL NZ OEL (as oil mist, mineral) 5 mg/m ³ TWA ACGIH TLV (inhalable) (as mineral oil)	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 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 if needed to avoid prolonged skin contact.

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 yellow to brown liquid with a petroleum odor	Partition Coefficient of n-octanol/water:	Not determined
Odor Threshold:	Not determined	Auto-ignition temperature:	Not determined
pH:	Not applicable	Decomposition Temperature:	Not determined
Melting/Freezing Point:	Not applicable	Viscosity:	Not determined
Boiling Point / Range:	405-459°F (207-237°C) (Distillates (Petroleum), hydrotreated light)	Specific Heat Value:	Not determined
Flash Point:	181.4°F (83°C) (Distillates (Petroleum), hydrotreated light)	Particle Size:	Not applicable
Evaporation Rate (Butyl Acetate = 1):	Not determined	VOC:	Not determined
Flammability (solid, gas):	Not applicable	Percent Volatile:	Not determined
Flammable Limits:	LEL: 0.6% UEL: 9.5%	Saturated Vapor Concentration:	Not determined
Vapor Pressure:	Not determined	Release of invisible flammable vapors and	Yes

		gases:	
Vapor Density (air = 1):	Not determined	Aerosol Protection Level (NFPA 30B):	2
Relative Density (Water = 1):	Not determined	Solubility:	Insoluble in water

10 – Stability and Reactivity

Reactivity: Non-reactive

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.

Incompatible Materials: Strong oxidizers.

Hazardous Decomposition Products: Oxides of carbon and hydrocarbons.

11 – Toxicological Information

Health Hazards:

Ingestion: Swallowing is an unlikely route of exposure for an aerosol product. Swallowing large amounts of liquid may produce gastrointestinal irritation, nausea, vomiting and diarrhea. This product is an aspiration hazard. If swallowed, it can enter the lungs and may cause chemical pneumonitis, severe lung damage and death.

Eye Contact: Contact may be irritating to eyes. May cause redness and tearing.

Skin Contact: Prolonged and/or repeated contact may produce mild irritation and defatting with possible dermatitis.

Inhalation: Breathing large amounts of spray may cause nasal and respiratory irritation and central nervous system effects such as headache, dizziness and nausea. Intentional abuse may be harmful or fatal.

Chronic Exposure: None expected.

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

Acute Toxicity Values:

Acute Toxicity Estimates: Oral > 5,000 mg/kg, Dermal >5,000 mg/kg based on an assessment of the ingredients. This product is not classified as toxic by established criteria.

Skin Corrosion/Irritation: No data available for mixture. This product is not expected to cause skin irritation.

Serious Eye Damage/Irritation: No data available for mixture. This product is not expected to cause eye irritation.

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: No data available. Based on the ingredients, this product is expected to present an aspiration hazard and may be harmful if the contents are swallowed.

12 – Ecological Information

Ecotoxicity:

No data available for the mixture. This product is not expected to be harmful to the aquatic environment.

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

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

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): Not applicable

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

New Zealand:

HSNO Approval Number: HSR002515

Considered a Hazardous Substance according to the criteria of the New Zealand Hazardous Substances New Organisms legislation. Classified as Dangerous Good for transport purposes.

HSNO Hazard Classes: 2.1.2A, 6.1E

New Zealand Inventory: All the ingredients comply with the HSNO regulations.

16 – Other Information

REVISION DATE: 3 March 2020

SUPERSEDES: New SDS

Prepared By: Industrial Health & Safety Consultants, Inc.

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

Asp. Tox. Cat 1 Aspiration Toxicity Category 1
Flam. Gas Cat 1 Flammable Gas Category 1
Flam. Liq. Cat 4 Flammable Liquid Category 4
Press. Gas Compressed Gas
Skin Irrit. Cat 2 Skin Irritant Category 2
H220 Extremely flammable gas.
H227 Combustible liquid.
H280 Contains gas under pressure; may explode if heated.
H304 May be fatal if swallowed and enters airway.
H315 Causes skin irritation.
AUH066 Repeated exposure may cause skin dryness or cracking.

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
NZ New Zealand
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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