



Safety Data Sheet

1 – Product Identifier & Identity for the Chemical

Manufacturer: WD-40 Company Australia Pty Ltd	Product Name: 3-IN-ONE Professional White Lithium Grease
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: Cleaner, Lubricant
Poisons Information Centre: Australia: 13 11 26 New Zealand: 0800 764 766	Restriction on Use: None Identified
New Zealand Contact Details: Name: Eproducts New Zealand Limited Address: 7D Orbit Drive Albany New Zealand Telephone: Information: 09 916 6750	SDS Date Of Preparation: 8 September 2015

2 – Hazards Identification

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

Health	Environmental	Physical
Aspiration Toxicity Category 1 Skin Sensitizer Category 1B	Aquatic Acute Toxicity Category 3 Aquatic Chronic Toxicity Category 3	Flammable Aerosol Category 1 Gas Under Pressure: Compressed Gas

Label Elements



Contains: Distillates (petroleum), hydrotreated light, Fragrance

Danger!

H222 Extremely flammable aerosol.
H280 Contains gas under pressure: may explode if heated.
H304 May be fatal if swallowed and enters airways.
H317 May cause an allergic skin reaction.
H412 Harmful to aquatic life with long lasting effects.
AUH066 Repeated exposure may cause skin dryness and cracking.

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.
P261 Avoid breathing mists or vapors.
P272 Contaminated work clothing should not be allowed out of the workplace.
P273 Avoid release to the environment.
P280 Wear protective gloves.

Response
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor or physician.
P331 Do NOT induce vomiting.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P333+P313 If skin irritation or rash occurs: Get medical attention.
P363 Wash contaminated clothing 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.
P405 Store locked up.

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

Other Hazards that do not Result in Classification: None

3 - Composition/Information on Ingredients

Ingredient	CAS #	Weight Percent	Substance Classification
Propellant (propane, n-butane)	74-98-6 106-97-8	40-50%	Flam. Gas Cat 1 (H220) Press. Gas (H280)
Distillates (petroleum), hydrotreated light	64742-47-8	10-30%	Asp. Tox. Cat 1 (H304) AUH066
Petroleum distillates, solvent-refined heavy paraffinic	64741-88-4	5-15%	Not Hazardous
Petroleum distillates, hydrotreated heavy naphthenic	64742-52-5	5-15%	Not Hazardous
Titanium Dioxide	13463-67-7	1-5%	Carc. Cat 2 (H351)*
Fragrance	Mixture	<2%	Asp. Tox. Cat 1 (H304) Skin Sens. Cat 1B (H317) Aq. Acute Cat 1 (H400) Aq. Chronic Cat 1 (H410)

* Carcinogen classification applies to respirable forms only. Not applicable to this product.

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. Get medical attention if irritation persists.

Skin Contact: No first aid is normally required. Rinse with 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: Direct contact with eyes may cause mild irritation. Prolonged skin contact may cause drying of the skin and cracking. Skin contact may cause allergic skin reaction

in sensitized individuals. Inhalation 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. 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 vapor 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: Avoid releases to the environment. 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 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, well-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
Distillates (petroleum),	1200 mg/m ³ TWA Supplier	None Established

hydrotreated light	Recommended (total hydrocarbon)	
Petroleum distillates, solvent-refined heavy paraffinic	5 mg/m3 TWA AU OEL (as oil mist, refined mineral) 5 mg/m3 TWA, 10 mg/m3 STEL NZ OEL (as oil mist, mineral) 5 mg/m3 TWA ACGIH TLV (inhalable) (as mineral oil)	None Established
Petroleum distillates, hydrotreated heavy naphthenic	5 mg/m3 TWA AU OEL (as oil mist, refined mineral) 5 mg/m3 TWA, 10 mg/m3 STEL NZ OEL (as oil mist, mineral) 5 mg/m3 TWA ACGIH TLV (inhalable) (as mineral oil)	None Established
Titanium Dioxide	10 mg/m3 TWA AU OEL 10 mg/m3 TWA NZ OEL 10 mg/m3 TWA ACGIH TLV	None Established
Fragrance	None Established	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 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: 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: Wash hands after handling.

Other Protective Equipment: None required.

9 – Physical and Chemical Properties

Appearance and Odor:	Off white liquid with a petroleum odor	Partition Coefficient of n-octanol/water:	Not determined
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:	Not determined	Specific Heat Value:	Not determined
Flash Point:	-28.89°C (-20°F)	Particle Size:	Not applicable
Evaporation Rate (Butyl Acetate = 1):	Not determined	VOC:	Not determined
Flammability (solid, gas):	Not applicable	Percent Volatile:	76.6%

Flammable Limits:	LEL 0.6% UEL 9.6%	Saturated Vapor Concentration:	Not determined
Vapor Pressure:	Not determined	Release of invisible flammable vapors and gases:	Yes
Vapor Density (air = 1):	Not determined	Aerosol Protection Level (NFPA 30B):	3
Relative Density (Water = 1):	0.84	Solubility:	Insoluble in water

10 – Stability and Reactivity

Reactivity: Non-reactive

Chemical Stability: Stable under normal storage conditions.

Possibility of Hazardous Reactions: Reaction with strong oxidizers will generate heat and may cause fire.

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

Incompatible Materials: Strong oxidizers, acids and bases.

Hazardous Decomposition Products: Carbon monoxide and carbon dioxide, fumes, and/or unburned hydrocarbons.

11 – Toxicological Information

Health Hazards:

Ingestion: Swallowing is an unlikely route of exposure for an aerosol product. If swallowed, this material may cause irritation of the mouth, throat and esophagus. Swallowing may cause gastrointestinal irritation, nausea, vomiting, diarrhea, dizziness, drowsiness and other central nervous system effects. This product is an aspiration hazard. If swallowed, can enter the lungs and may cause chemical pneumonitis, severe lung damage and death.

Eye Contact: Liquid sprayed into eyes may cause mild irritation. May cause redness, stinging, swelling, and tearing.

Skin Contact: May produce mild irritation. Prolonged and/or repeated contact may produce defatting and dermatitis. Repeated contact may result in an allergic skin reaction.

Inhalation: Mist or vapor can irritate the throat and lungs. High concentrations 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: Prolonged or repeated skin contact may defat the skin resulting in irritation and dermatitis.

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

Acute Toxicity Values:

Distillates (petroleum), hydrotreated light: Oral rat LD50: >5000 mg/kg, Inhalation rat LC50: >5000 mg/m³/4hr, Skin rabbit LD50: >5000 mg/kg

Petroleum distillates, solvent-refined heavy paraffinic: Oral rat LD50: >5000 mg/kg, Inhalation rat LC50: 2.18 mg/L/4hr, Skin rabbit LD50: >2000 mg/kg

Petroleum distillates, hydrotreated heavy naphthenic: Oral rat LD50: >5000 mg/kg, Inhalation rat LC50: 2.18 mg/L/4hr, Skin rabbit LD50: >2000 mg/kg

Titanium Dioxide: Oral rat LD50: >5000 mg/kg, Inhalation rat LC50: >6.82 mg/L/4hr

Fragrance: No toxicity data available

Skin Corrosion/Irritation: No data available for mixture. Based on the ingredients, this product is not classified as a skin irritant.

Serious Eye Damage/Irritation: No data available for mixture. Based on the ingredients, this product is not classified as an eye irritant.

Respiratory or Skin Sensitization: This product is expected to cause sensitization.

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

Carcinogenicity: This product contains Titanium dioxide which is listed by IARC as a suspected carcinogen (2B). Titanium dioxide only presents a risk of cancer by inhalation of very fine dust. In this product, the titanium dioxide is incorporated into the grease and is not present as a respirable dust. There is no exposure to respirable titanium dioxide dust in the normal use of this product. None of the other 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 expected to present an aspiration hazard.

12 – Ecological Information

Ecotoxicity:

No data available for the mixture. This product has been classified as harmful to the aquatic environment with long lasting effects based on the components. Releases to the environment should be avoided.

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 (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): 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, 6.5B, 9.1D, 9.1C

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

16 – Other Information

REVISION DATE: 8 September 2015

SUPERSEDES: New SDS

Prepared By: Industrial Health & Safety Consultants, Inc.

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

Aq. Acute Cat 1 Aquatic Acute Toxicity Category 1

Aq. Chronic Cat 1 Aquatic Chronic Toxicity Category 1

Asp. Tox. Cat 1 Aspiration Toxicity Category 1

Carc. Cat 2 Carcinogen Category 2

Flam. Gas Cat 1 Flammable Gas Category 1

Press. Gas Compressed Gas

Skin Sens. Cat 1B Skin Sensitizer Category 1B

H220 Extremely flammable gas.

H280 Contains gas under pressure; may explode if heated.

H304 May be fatal if swallowed and enters airways.

H317 May cause an allergic skin reaction.

H351 Suspected of causing cancer.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

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.

1037100/No.