



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 024 973 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	Product Name: WD-40 Bike Wet Chain Lubricant Chemical Name: Mixture Product Use: Lubricant for bicycle chains Restriction on Use: None Identified SDS Date Of Preparation: 14 December 2016
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2 – Hazards Identification

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

Health	Environmental	Physical
Not Hazardous	Not Hazardous	Not Hazardous

Label Elements

None Required

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

3 - Composition/Information on Ingredients

Ingredient	CAS #	Weight Percent	Substance Classification
Petroleum Base Oil	64742-56-9 64742-65-0 64742-53-6 64742-54-7 64742-71-8	<50%	Not Hazardous
Distillates (Petroleum) Hydrotreated Light	64742-47-8	20-30%	Not Hazardous
Non-hazardous Ingredients	Proprietary	<30%	Not Hazardous

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 or 0800 764 766 in New Zealand).

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 eye irritation. May cause skin irritation and dryness on prolonged contact.

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

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: This product is not classified as flammable or combustible but will burn under fire conditions.

Special Protective Equipment and Precautions for Fire-Fighters: Firefighters should always wear positive pressure self-contained breathing apparatus and full protective clothing. 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: 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. Use with adequate ventilation. Keep away from excessive heat, hot surfaces and open flames. Wash thoroughly with soap and water after handling. Keep containers closed when not in use. Keep out of the reach of children.

Conditions for Safe Storage, including any incompatibilities: Store in a cool, dry area, away from incompatible materials.

8 – Exposure Controls /Personal Protection

Chemical	Occupational Exposure Limits	Biological Limit Value
Petroleum Base 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
Distillates (Petroleum) Hydrotreated Light	1200 mg/m ³ TWA (manufacturer recommended)	None Established
Non-hazardous Ingredients	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. Safety glasses or goggles recommended.**Skin Protection:** Avoid prolonged skin contact. Chemical resistant gloves recommended for operations where skin contact is likely.**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 and protective clothing if needed to avoid prolonged skin contact.**Respiratory Protection:** None normally required. If exposure levels are excessive and irritation is experienced, 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 with soap and water after handling.**Other Protective Equipment:** None required.**9 – Physical and Chemical Properties**

Appearance and Odor:	Light amber liquid with mild 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 determined	Viscosity:	24.93 cSt (119 SUS) @ 40°C (100°F)
Boiling Point / Range:	277°C (530°F)	Specific Heat Value:	Not determined
Flash Point:	114°C (237°F)	Particle Size:	Not applicable
Evaporation Rate:	Not determined	VOC:	0 grams/L
Flammability (solid, gas):	Not applicable	Percent Volatile:	Nil
Flammable Limits:	LEL: 0.6% UEL: 4.9%	Saturated Vapor Concentration:	Not determined
Vapor Pressure:	0.09 mmHg @ 20°C (68°F)	Release of invisible flammable vapors and gases:	No
Vapor Density (air = 1):	6.5	Aerosol Protection Level (NFPA 30B):	Not applicable
Relative Density (Water = 1):	0.8 – 0.82 @ 15.5°C (60°F)	Solubility:	Insoluble in water

10 – Stability and Reactivity**Reactivity:** Non-reactive**Chemical Stability:** Stable under normal storage conditions.**Possibility of Hazardous Reactions:** May react with strong oxidizers generating heat.**Conditions to Avoid:** Avoid heat, sparks, flames and other sources of ignition.**Incompatible Materials:** Strong oxidizing agents.**Hazardous Decomposition Products:** Carbon monoxide and carbon dioxide.

11 – Toxicological Information

Health Hazards:

Ingestion: This product has low oral toxicity. Swallowing may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

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: 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: None expected.

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

Acute Toxicity Values:

The oral toxicity of this product is estimated to be greater than 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. Ingredients are not classified as skin irritants.

Serious Eye Damage/Irritation: No data available for mixture. Ingredients are not classified as eye irritants.

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 viscosity test data, this product is not expected to present an aspiration hazard.

12 – Ecological Information

Ecotoxicity: No data is currently available. If applied to leaves may kill grasses and small plants by interfering with respiration and transpiration. This product is not toxic to fish but may coat gill structures resulting in suffocation.

Persistence and Degradability: This product is biodegradable.

Bioaccumulative Potential: No data available.

Mobility in Soil: No data available.

Other Adverse Effects: None Known

13 - Disposal Considerations

Safe Handling and Disposal Method: Dispose as appropriate for oil waste.

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: Not Regulated

IMDG Hazard Class: None

UN Number: None

IATA Shipping Name: Not Regulated
IATA Hazard Class: None
UN Number: None

ADG Shipping Name: Not Regulated
ADG Hazard Class: None
UN Number: None
Hazchem (Emergency Action) Code: None

Special Precautions for User: WD-40 Company does not test containers to assure that they can withstand the pressure change without leakage when transported by air. We do not recommend that our products be transported by air unless a specific review is conducted.

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): Hydrocarbons, liquids are listed in Schedule 5.

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

New Zealand:

HSNO Approval Number: N/A

Not considered a Hazardous Substance according to the criteria of the New Zealand Hazardous Substances New Organisms legislation. Not Classified as Dangerous Good for transport purposes.

HSNO Hazard Classes: N/A

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

16 – Other Information

REVISION DATE: 14 December 2016

SUPERSEDES: 4 December 2014

Prepared By: Industrial Health & Safety Consultants, Inc.

Full Text of GHS Classification and H Phrases from Section 3:
None

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

SIGNATURE: _____

TITLE: _____

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.

1036100/No.