



Safety Data Sheet

1 – Product Identifier & Identity for the Chemical

<p>Manufacturer: WD-40 Company Australia Pty Ltd</p> <p>Address: 41 Rawson Street (Level 2, Suite 23) Epping NSW, 2121, Australia</p> <p>Telephone: Information: +61 2 9868 2200 Emergency only: 1800 024 973</p> <p>Poisons Information Centre: Australia: 13 11 26 New Zealand: 0800 764 766</p> <p>New Zealand Contact Details: Name: Eproducts New Zealand Limited Address: 7D Orbit Drive Albany New Zealand Telephone: Information: 09 916 6750</p>	<p>Product Name: WD-40 Bike Frame Protectant</p> <p>Chemical Name: Mixture</p> <p>Product Use: Bike wax</p> <p>Restriction on Use: None Identified</p> <p>SDS Date Of Preparation: 16 December 2016</p>
--	--

2 – Hazards Identification

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

Health	Environmental	Physical
Aspiration Toxicity Category 1	Not Hazardous	Flammable Liquid Category 4

Label Elements



Danger!

H227 Combustible liquid

H304 May be fatal if swallowed and enters airways.

Prevention

P210 Keep away from flames and hot surfaces.-No smoking.

P280 Wear eye protection.

Response

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

P331 Do NOT induce vomiting.

P370+P378 In case of fire: Use water fog, dry chemical, carbon dioxide or foam for extinction.

Storage

P403+P235 Store in a well-ventilated place. Keep cool.

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 known.

3 - Composition/Information on Ingredients

Ingredient	CAS #	Weight Percent	Substance Classification
Isoparaffinic Hydrocarbon	68551-19-9	50-60%	Flam. Liq. Cat 4 (H227) Asp. Tox. Cat 1 (H304)
Non-Hazardous Ingredients	Mixture	40-50%	Not Hazardous
Anhydrous Aluminum Silicate	92704-41-1	1-5%	Not Hazardous

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: 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: Harmful or fatal if swallowed. If swallowed, may be aspirated and cause lung damage. May cause eye and respiratory irritation. Inhalation of vapors may cause coughing, headache and dizziness.

Indication of Immediate Medical Attention and Special Treatment, if Needed: Immediate medical attention is needed 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 may float on the surface and spread fire.

Specific Hazards Arising from the Chemical: Combustible liquid. Vapors are heavier than air and may travel along surfaces to remote ignition sources and flash back. Combustion 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. Cool fire-exposed containers with water.

6 – Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures: Large spills of this product are unlikely due to product form. 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. Report spills to authorities as required.

7 – Handling and Storage

Precautions for Safe Handling: Avoid contact with eyes. Avoid prolonged contact with skin. Avoid breathing vapors or mists. Use with adequate ventilation. Keep away from heat, sparks, 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
Isoparaffinic Hydrocarbon	1200 mg/m ³ TWA (manufacturer recommended)	None Established
Non-Hazardous Ingredients	None Established	None Established
Anhydrous Aluminum Silicate (as kaolin)	10 mg/m ³ TWA AU OEL 2 mg/m ³ (inhalable), 10 mg/m ³ (respirable) TWA NZ OEL 2 mg/m ³ (respirable) TWA ACGIH TLV	None Established

The Following Controls are Recommended for Normal Consumer Use of this Product

Appropriate Engineering Controls: None required.

Personal Protection:

Eye Protection: Avoid eye contact.

Skin Protection: Avoid prolonged skin contact.

Respiratory Protection: None needed for normal use.

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: Chemical safety goggles recommended.

Skin Protection: Wear rubber gloves and protective clothing if needed to avoid prolonged skin contact.

Respiratory Protection: If mists are formed in use 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: Rinse hands thoroughly after use.

Other Protective Equipment: None required.

9 – Physical and Chemical Properties

Appearance and Odor:	Clear 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:	832 cps (~1040 mm ² /sec) @ 110°F (43.3°C), product may separate on prolonged standing
Boiling Point / Range:	212 - 475°F (100 - 246°C)	Specific Heat Value:	Not determined
Flash Point:	>174.9°F (79.4°C) Tag Closed Cup	Particle Size:	Not applicable
Evaporation Rate:	Not determined	VOC:	Not determined

Flammability (solid, gas):	Not applicable	Percent Volatile:	Nil
Flammable Limits:	None	Saturated Vapor Concentration:	Not determined
Vapor Pressure:	0.7 mmHg @ 37.8°C (100°F)	Release of invisible flammable vapors and gases:	No
Vapor Density (air = 1):	3	Aerosol Protection Level (NFPA 30B):	Not applicable
Relative Density (Water = 1):	Not determined	Solubility:	Dispersible 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: Thermal decomposition may release oxides of carbon.

11 – Toxicological Information

Health Hazards:

Ingestion: This product has low oral toxicity. Swallowing may cause gastrointestinal irritation, nausea, vomiting and diarrhea. This product is an aspiration hazard. If swallowed, 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: High vapor 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 inhalation of respirable dust from dried product may damage lungs.

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 data, this product is expected to present an aspiration hazard.

12 – Ecological Information

Ecotoxicity: No specific data for the product is available. Large amounts may be harmful to aquatic organisms.

Persistence and Degradability: No data available.

Bioaccumulative Potential: No data available.

Mobility in Soil: No data available.

Other Adverse Effects: No data available.

13 - Disposal Considerations

Safe Handling and Disposal Method: Dispose as appropriate for soap 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

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: 3.1D, 6.1E

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

16 – Other Information

REVISION DATE: 16 December 2016

SUPERSEDES: 2 December 2014

Prepared By: Industrial Health & Safety Consultants, Inc.

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

Flam. Liq. Cat 4 Flammable Liquid Category 4

Asp. Tox. Cat 1 Aspiration Toxicity Category 1

H227 Combustible liquid

H304 May be fatal if swallowed and enters airways.

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.