



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 Foaming Wash Chemical Name: Mixture Product Use: Bike cleaner Restriction on Use: None Identified SDS Date Of Preparation: 29 June 2015
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2 – Hazards Identification

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

Health	Environmental	Physical
Eye Damage Category 1 Skin Irritant Category 2	Aquatic Acute Toxicity Category 2	Not Hazardous

Label Elements



Contains: Ethanolamine, Surfactants

Danger!

H315 Causes skin irritation.

H318 Causes serious eye damage.

H401 Toxic to aquatic life.

Prevention

P264 Wash thoroughly after handling.

P273 Avoid release to the environment.

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.

P310 Immediately call a POISON CENTER or doctor or physician.

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.

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
Water and Non-Hazardous Ingredients	Mixture	>60%	Not Hazardous
Surfactant	Proprietary	1-5%	Skin Irrit. Cat 2 (H315) Eye Dam. Cat 1 (H318) Aq. Acute Cat 1 (H400)
Surfactant	Proprietary	1-5%	Acute Tox. Cat 4 (H302) Eye Dam. Cat 1 (H318) Aq. Acute Cat 1 (H400) Aq. Chronic Cat 3 (H412)
Ethanolamine	141-43-5	<2%	Acute Tox. Cat 4 (H302, H312, H332) Skin Corr. Cat 1B (H314) STOT SE Cat 3 (H335) Aq. Chronic Cat 3 (H412)

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: Immediately flush thoroughly with water. Remove contact lenses, if present, after the first 5 minutes and continue flushing for 15-20 additional minutes. Get immediate medical attention.

Skin Contact: Wash with water for several minutes. Get medical attention if irritation occurs.

Inhalation (Breathing): If irritation is experienced, move to fresh air. Get medical attention if irritation or other symptoms develop and persist.

Most Important Symptoms: Causes serious eye irritation or burns with possible eye damage. May cause moderate skin irritation.

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

5 – Fire Fighting Measures

Suitable Extinguishing Media: This product is not flammable or combustible. Use any media that is appropriate for the surrounding fire.

Specific Hazards Arising from the Chemical: This product is not classified as flammable or combustible but will burn under fire conditions after the water has evaporated. Thermal decomposition may release oxides of carbon, sulfur and nitrogen.

Special Protective Equipment and Precautions for Fire-Fighters: Firefighters should always wear positive pressure self-contained breathing apparatus and full protective clothing in areas where chemicals are used and stored. Cool fire-exposed containers with water.

6 – Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures: Wear appropriate protective clothing (see Section 8). Avoid contact with the spilled material.

Environmental Precautions: Avoid releases to the environment. Report spills to authorities as required.

Methods and Materials for Containment/Cleanup: Contain and collect liquid with an inert absorbent material and place in a container for disposal. Clean spill area thoroughly.

7 – Handling and Storage

Precautions for Safe Handling: Prevent contact with eyes. Avoid contact with skin and clothing. Avoid breathing vapors or mists. Use with adequate ventilation. Keep container closed when not in use. Immediately remove any contaminated clothing and launder before reuse. Wash thoroughly after use. Keep out of the reach of children. Do not use with any other cleaning agents or household chemicals. Dangerous reactions may occur.

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

8 – Exposure Controls /Personal Protection

Chemical	Occupational Exposure Limits	Biological Limit Value
Water and Non-Hazardous Ingredients	None Established	None Established
Surfactant	None Established	None Established
Surfactant	None Established	None Established
Ethanolamine	3 ppm TWA, 6 ppm STEL AU OEL 3 ppm TWA, 6 ppm STEL NZ OEL 3 ppm TWA, 6 ppm STEL ACGIH TLV	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: Prevent eye contact. Safety glasses or goggles recommended.

Skin Protection: Avoid prolonged or repeated 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: Chemical safety goggles recommended.

Skin Protection: Wear chemical resistant gloves.

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: Eye wash facilities should be available. Wash hands after handling.

Other Protective Equipment: None required.

9 – Physical and Chemical Properties

Appearance and Odor:	Clear liquid with a 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:	Not determined
Boiling Point / Range:	~212°F (~100°C)	Specific Heat Value:	Not determined
Flash Point:	None	Particle Size:	Not applicable
Evaporation Rate (Butyl Acetate = 1):	Not determined	VOC:	0 grams/liter (0%)
Flammability (solid, gas):	Not applicable	Percent Volatile:	Not determined
Flammable Limits:	Not determined	Saturated Vapor Concentration:	Same as water
Vapor Pressure:	Same as water	Release of invisible flammable vapors and gases:	No
Vapor Density (air = 1):	Same as water	Aerosol Protection Level (NFPA 30B):	Not applicable
Relative Density (Water = 1):	1.01	Solubility:	Soluble in water

10 – Stability and Reactivity

Reactivity: Not reactive under normal conditions.
Chemical Stability: Stable under normal storage conditions.
Possibility of Hazardous Reactions: May react with strong oxidizers generating heat.
Conditions to Avoid: None known.
Incompatible Materials: Strong acids and oxidizing agents.
Hazardous Decomposition Products: Thermal decomposition may release oxides of carbon, sulfur and nitrogen.

11 – Toxicological Information

Health Hazards:
Ingestion: Swallowing large amounts may produce gastrointestinal irritation, nausea, vomiting and diarrhea.
Eye Contact: Direct contact will cause severe irritation, pain, burns and possible permanent eye damage.
Skin Contact: May cause moderate skin irritation.
Inhalation: Breathing of mists may cause mild irritation to the eyes, mucous membranes of the throat and nose and upper respiratory tract.
Chronic Exposure: None expected.

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

Acute Toxicity Values:
Surfactant: No data is available.
Surfactant: Oral rat LD50: 1200 mg/kg, Dermal rat LD50: >2000 mg/kg
Ethanolamine: Oral rat LD50: 1089-1515 mg/kg, Inhalation rat LC50: 1487 mg/m³/4hr, Dermal rat LD50: 2504 mg/kg

Skin Corrosion/Irritation: No data available for mixture. Based on the component Ethanolamine, this product is classified as a skin irritant.
Serious Eye Damage/Irritation: No data available for mixture. Based on the Surfactants, this product is classified as corrosive to eyes.
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 not expected to present an aspiration hazard.

12 – Ecological Information

Ecotoxicity:
Surfactant: 96 hr LC50 Zebra fish: 0.876-1.2 mg/L, 48 hr EC50 Daphnia magna: 0.39-0.53 mg/L
Ethanolamine: 48 hr EC50 Daphnia magna: 65 mg/L

This product has been classified as toxic to the aquatic environment. Releases to the environment should be avoided.

Persistence and Degradability: The surfactants in this product are biodegradable.
Bioaccumulative Potential: Not expected to be bioaccumulative.
Mobility in Soil: No data available.
Other Adverse Effects: None known.

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
Marine Pollutant: No

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): 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: 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: 6.3A, 8.3A, 9.1D

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

16 – Other Information

REVISION DATE: 29 June 2015

SUPERSEDES: 19 March 2015

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

Aq. Acute Cat 1 Aquatic Acute Toxicity Category 1

Aq. Chronic Cat 3 Aquatic Chronic Toxicity Category 3

Eye Dam. Cat 1 Eye Damage Category 1

Eye Irrit. Cat 2A Eye Irritant Category 2A

Skin Corr. Cat 1B Skin Corrosion Category 1B

Skin Irrit. Cat 2 Skin Irritant Category 2

STOT SE Cat 3 Specific Target Organ Toxicity Single Exposure Category 3

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

H400 Very toxic to aquatic life.

H412 Harmful to aquatic life with long lasting effects.

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

APPROVED 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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