



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 All Surface Wash</p> <p>Chemical Name: Mixture</p> <p>Product Use: Bike Cleaner</p> <p>Restriction on Use: None Identified</p> <p>SDS Date Of Preparation: 16 May 2018</p>
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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 Corrosive Category 1C	Aquatic Acute Toxicity Category 2	Not Hazardous

Label Elements



Contains: Ethanolamine, Surfactants

Danger!

H314 Causes severe skin burns and eye damage.

H401 Toxic to aquatic life.

Prevention

P260 Do not breathe vapors or mists.

P264 Wash thoroughly after handling.

P273 Avoid release to the environment.

P280 Wear protective gloves, protective clothing, eye protection, and face protection.

Response

P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P310 Immediately call a POISON CENTER or doctor or physician.
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.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P310 Immediately call a POISON CENTER or doctor or physician.
P363 Wash contaminated clothing before reuse.
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P310 Immediately call a POISON CENTER or doctor or physician.
Storage
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
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): Do NOT induce vomiting. Rinse mouth with water. Never give anything by mouth to an unconscious or convulsing person. Keep the victim calm and warm. Call a Poisons Information Center (phone 13 11 26 from anywhere in Australia or 0800 764 766 in New Zealand) immediately.

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: Immediately flush skin with plenty of water for 15-20 minutes while removing contaminated clothing and shoes. Get immediate medical attention. Launder clothing before re-use. (Discard contaminated shoes).

Inhalation (Breathing): Immediately remove victim to fresh air. If breathing is difficult, oxygen should be administered by qualified personnel. If breathing has stopped, administer artificial respiration. Get immediate medical attention.

Most Important Symptoms: Corrosive to eyes, skin, and respiratory tract. May be fatal if swallowed.

Indication of Immediate Medical Attention and Special Treatment, if Needed: Immediate medical attention is needed for all routes of 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: Do not get in eyes, on skin or clothing. Wear rubber gloves when handling. Do not breathe 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 goggles recommended.

Skin Protection: Avoid 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 rubber gloves and protective clothing as required to prevent 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: Prevent contact with the eyes, skin and clothing. Wash thoroughly 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:	>11.5	Decomposition Temperature:	Not determined
Melting/Freezing Point:	Not applicable	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 will cause immediate and severe burns of the mucous membranes of the mouth and gastrointestinal tract. May be fatal if swallowed.

Eye Contact: Direct contact will cause severe irritation, pain, burns and possible permanent eye damage.

Skin Contact: Direct contact with the liquid may cause severe irritation and possible burns.

Inhalation: Inhalation of vapors or mists may cause severe irritation of the nose, mouth 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: Based on the pH, this product is classified as corrosive to skin.

Serious Eye Damage/Irritation: Based on the pH, 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 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: Ethanolamine Solutions

IMDG Hazard Class: 8, PG III

UN Number: UN2491

Marine Pollutant: No

IATA Shipping Name: Ethanolamine Solutions

IATA Hazard Class: 8, PG III

UN Number: UN2491

ADG Shipping Name: Ethanolamine Solutions

ADG Hazard Class: 8, PG III

UN Number: UN2491

Hazchem (Emergency Action) Code: 2X

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. Classified as Dangerous Good for transport purposes.

HSNO Hazard Classes: 8.2C, 9.1D

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

16 – Other Information

REVISION DATE: 16 May 2018

SUPERSEDES: 30 May 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

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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