

SAFETY DATA SHEET

Product name:	WD-40®BIKE Dry Lube (F00265)	Page:	1/11
Supersedes date:	2022-09-27	Revision date:	2022-09-27
Product No.:		SDS-ID:	ZA-EN/1.0

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name: WD-40®BIKE Dry Lube (F00265)
WD-40® Specialist® Bike Dry Lube

1.2. Relevant identified uses of the substance or mixture and uses advised against

Application: Lubricant.

1.3. Details of the supplier of the safety data sheet

Manufacturer: WD-40 Company Limited
PO Box 440
MK11 3LF GB-Kiln Farm - Milton Keynes
United Kingdom
www.wd40.co.uk

1.4. Emergency telephone number

Emergency telephone: Call a Poison Center, emergency number or doctor/physician.

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SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

The product is classified:

GHS: Flammable Liquid category 2 - Eye Irrit. 2A - STOT SE 3;H336

2.2. Label elements



Danger

Contains: Propan-2-ol

H225 Highly flammable liquid and vapour.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261 Avoid breathing vapour/spray.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear eye protection.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312 Call a POISON CENTER or doctor/physician if you feel unwell.
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.
P501 Dispose of contents/ container to an approved waste disposal facility.

2.3. Other hazards

PBT/vPvB: This product does not contain any PBT or vPvB substances.

Other: The product contains volatile, organic compounds which have a photochemical ozone creation potential. The product contains organic solvents. Organic solvents may be absorbed into the body by inhalation and cause permanent damage to the nervous system, including the brain.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

The product contains: organic solvents, additives and fragrances.

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GHS:

<u>%:</u>	<u>CAS-No.:</u>	<u>EC No.:</u>	<u>Chemical name:</u>	<u>Hazard classification:</u>	<u>Notes:</u>
50-70	67-63-0		Propan-2-ol	Flam. Liq. 2;H225 Eye Irrit. 2A;H319 STOT SE 3;H336	
0.1 - < 1	80939-62-4	279-632-6	Amines, C11-14-branched alkyl, monohexyl and dihexyl phosphates	Skin Irrit. 2;H315 Eye Irrit. 2A;H319 Aquatic Chronic 2;H411	

Reference: The full text for all hazard statements is displayed in section 16.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital.

Inhalation: Move injured person into fresh air and keep person calm under observation. If uncomfortable: Seek hospital and bring along these instructions.

Skin contact: Remove contaminated clothes and rinse skin thoroughly with water. In case of eczema or other skin disorders: Seek medical attention and bring these instructions.

Eye contact: Immediately flush with plenty of water for at least 15 minutes. Remove any contact lenses and open eyelids widely. If irritation persists: Seek medical attention and bring along these instructions.

Ingestion: Immediately rinse mouth and drink 1-2 glasses of water. DO NOT induce vomiting. Get medical attention immediately.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects: Dizziness. Headache. Depression of the central nervous system. Coughing. Eye irritation. Dermatitis possible through repeated contact.

4.3. Indication of any immediate medical attention and special treatment needed

Medical attention/treatments: Treat symptomatically.

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SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Highly flammable liquid and vapour.

Extinguishing media: Extinguish with carbon dioxide or dry powder. Cool containers exposed to heat with water spray and remove container, if no risk is involved.
Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards: During fire, gases hazardous to health may be formed. CO_x, NO_x, PO_x.
The product is flammable, and heating may generate vapours which may form explosive vapour/air mixtures.

5.3. Advice for firefighters

Protective equipment for fire-fighters: Selection of respiratory protection for fire fighting: follow the general fire precautions indicated in the workplace.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Follow precautions for safe handling described in this safety data sheet. Avoid inhalation of vapours and contact with skin and eyes. Do not smoke or use open fire, or other sources of ignition.

6.2. Environmental precautions

Environmental precautions: Dam and absorb spillages with sand, earth or other non-combustible material. Stop the source of the leak or release, if this can be done without risk. Avoid discharge into drains, water courses or onto the ground. Contact local authorities in case of spillage to drain/aquatic environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up: Absorb spillage with non-combustible, absorbing material.

6.4. Reference to other sections

Reference: For personal protection, see section 8. For waste disposal, see section 13.

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SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Safe handling advice: Observe good chemical hygiene practices. Work practice should minimise contact. Avoid inhalation of vapours and contact with skin and eyes. Wash hands before breaks and before smoking, eating or drinking.

Technical measures: Do not smoke or use open fire or other sources of ignition.

Technical precautions: Provide adequate ventilation. Provide easy access to water supply or an emergency shower.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures for safe storage: Follow the rules for storage of flammable products.

Storage conditions: Store in a cool and well-ventilated place. Do not store near heat sources or expose to high temperatures.

7.3. Specific end use(s)

Specific use(s): No information available.

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits:

<u>CAS-No.:</u>	<u>Chemical name:</u>	<u>As:</u>	<u>Exposure limits:</u>	<u>Type:</u>	<u>Notes:</u>	<u>References:</u>
67-63-0	2-Propanol	-	200 ppm	TWA	A4; BEI	ACGIH
		-	400 ppm	STEL	A4; BEI; 15min	

Notes: A4: Not Classifiable as a Human Carcinogen.
BEI: Biological Exposure Index.

Biological Limit Values:

<u>CAS-No.:</u>	<u>Chemical name:</u>	<u>As:</u>	<u>Exposure limits:</u>	<u>Sampling time:</u>	<u>Notes:</u>	<u>References:</u>
67-63-0	2-Propanol	Acetone in urine	40 mg/L		End of shift at end of workweek	B; Ns

8.2. Exposure controls

Engineering measures: Provide adequate ventilation. Observe Occupational Exposure Limits and minimize the risk of inhalation of vapours and spray mist.

Personal protection: Personal protection equipment should be chosen according to the ANSI standards and in discussion with the supplier of the personal protective equipment.

Respiratory equipment: In case of inadequate ventilation and work of brief duration, use suitable respiratory equipment.

Hand protection: Risk of contact: Wear protective gloves. Suitable material: Butyl rubber. Chloroprene rubber. Nitrile. Thickness: ≥ 0.5 mm. Breakthrough time: ≥ 480 min. Be aware that the liquid may penetrate the gloves. Frequent change is advisable. The most suitable glove must be chosen in collaboration with the gloves supplier, who can inform about the breakthrough time of the glove material.

Eye protection: Wear goggles/face shield.

Hygiene measures: Wash hands after handling. Do not eat, drink or smoke when using the product. Change contaminated clothing. Wash contaminated clothing before reuse.

Environmental Exposure Controls: Not available.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

<u>Appearance:</u>	Liquid.
<u>Colour:</u>	Light yellow.
<u>Odour:</u>	Characteristic.
<u>pH:</u>	Not available.
<u>Melting point / freezing point:</u>	Not determined.
<u>Boiling point:</u>	Not determined.
<u>Flash point:</u>	12 °C
<u>Explosion limits:</u>	Not determined.
<u>Vapour pressure:</u>	Not determined.
<u>Vapour density:</u>	Not determined.
<u>Relative density:</u>	Not available.
<u>Solubility:</u>	Insoluble in water.
<u>Partition coefficient (n-octanol/water):</u>	Not available.
<u>Decomposition temperature (°C):</u>	Not available.
<u>Explosive properties:</u>	The product is not explosive.

9.2. Other information

<u>Other data:</u>	Not available.
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SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

<u>Reactivity:</u>	Not reactive.
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10.2. Chemical stability

<u>Stability:</u>	Stable under the prescribed storage conditions.
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10.3. Possibility of hazardous reactions

<u>Hazardous reactions:</u>	None known.
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10.4. Conditions to avoid

<u>Conditions to avoid:</u>	Avoid heat, flames and other sources of ignition.
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10.5. Incompatible materials

<u>Incompatible materials:</u>	Strong oxidising agents. Strong alkalis. Strong acids.
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10.6. Hazardous decomposition products

<u>Hazardous decomposition products:</u>	None in particular.
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SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute Toxicity (Oral): Based on available data, the classification criteria are not met.

Acute Toxicity (Dermal): Based on available data, the classification criteria are not met.

Acute Toxicity (Inhalation): Based on available data, the classification criteria are not met.

Skin Corrosion/Irritation: Based on available data, the classification criteria are not met.

Serious eye damage/irritation: Causes serious eye irritation.

Respiratory or skin sensitisation: Based on available data, the classification criteria are not met.

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

Reproductive Toxicity: Based on available data, the classification criteria are not met.

STOT - Single exposure: May cause drowsiness or dizziness.

STOT - Repeated exposure: Based on available data, the classification criteria are not met.

Aspiration hazard: Based on available data, the classification criteria are not met.

Inhalation: In high concentrations, vapours and spray mists are narcotic and may cause headache, fatigue, dizziness and nausea.

Skin contact: Prolonged contact may cause redness, irritation and dry skin.

Eye contact: May irritate and cause redness and pain.

Ingestion: May cause nausea, headache, dizziness and intoxication.

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SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecotoxicity: Not classified as dangerous to the environment.

12.2. Persistence and degradability

Degradability: The degradability of the product has not been stated.

12.3. Bioaccumulative potential

Bioaccumulative potential: No data available on bioaccumulation.

12.4. Mobility in soil

Mobility: No data available.

12.5. Results of PBT and vPvB assessment

PBT/vPvB: This product does not contain any PBT or vPvB substances.

12.6. Other adverse effects

Other adverse effects: None known.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements. Waste is classified as hazardous waste.

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SECTION 14: TRANSPORT INFORMATION

The product is covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/AND/RID).

14.1. UN number

UN-No: 1993

14.2. UN proper shipping name

Proper Shipping Name: FLAMMABLE LIQUID, N.O.S (Propan-2-ol)

14.3. Transport hazard class(es)

Class: 3

14.4. Packing group

PG: II

14.5. Environmental hazards

Marine pollutant: No.

Environmentally Hazardous No.

Substance:

14.6. Special precautions for user

Special precautions: None known.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Transport in bulk: This product is not intended for transport in bulk.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulation: SANS 10234:2008 - Globally Harmonized System of classification and labelling of chemicals (GHS)
Threshold Limit Values (2022), ACGIH, by the American Conference on Governmental Industrial Hygienists.

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SECTION 16: OTHER INFORMATION

The user must be instructed in the proper work procedure and be familiar with the contents of these instructions.

Abbreviations and acronyms used in the safety data sheet: PBT = Persistent, Bioaccumulative and Toxic.
vPvB = very Persistent and very Bioaccumulative.
Eye Irrit. = Eye irritant
STOT SE = Specific target organ toxicity, single exposure.

Additional information: Classification according to GHS:
Health Hazards: Calculation method.
Physical Hazards: On basis of test data.

Wording of H-statements:

H225	Highly flammable liquid and vapour.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.

The information on this data sheet represents our current data and is reliable provided that the product is used under the prescribed conditions and in accordance with the application specified on the packaging and/or in the technical guidance literature.

Made by DHI - Environment and Toxicology, Agern Allé 5, DK-2970 Hørsholm, Denmark.
www.dhigroup.com.