

Squirt Bike Cleaner Safety Data Sheet



1) Product Name and Identification

Product name	Bio-Bike Biodegradable Bike Cleaner
Supplier	Bikinvention 2 CC
Address	121 Gladiolus Ave Brenton on Sea, Knysna, South Africa
Telephone no	(+27) 834594548
Fax	(+27) 86 611 5499

2) Hazard Identification

To Man	None in normal use with due care
<i>Irritant to skin</i>	R 38
<i>Irritant to eyes</i>	R 36
<i>Avoid contact with skin and eyes</i>	S24/25
To The Environment	None

3) Composition/Information on Ingredients

Generic / Chemical Name	Surfactant
Synonym	None
Chemical characterisation	Formulated blend of surfactants
CAS number: (paraffinic component)	Not applicable to mixture
UN number:	None allocated
Main Ingredients	This product is a blend of environmentally friendly surfactants

Dodecyl Sulphonic Acid

Ingredient sequence number: 1

CAS No: 151-41-7

NIOSH No: WT0700000

7) Handling and Storage

Handling: This material has no special handling requirements and is not a scheduled poison..

Storage Containers should be kept closed to avoid contamination. Keep away from extreme heat and open flames. Store away from strong acids, strong bases and strong oxidising agents.

8) Exposure controls / personal protection

Occupational Exposure Standard

A time weighted average (TWA) concentration for an 8-hour day and 5-day working week has not been established for this product. A TWA of 10mg / m³ is, however, recommended for inspirable dust and mists when limits have not been otherwise established. The nature of this product makes it unlikely that his level will be approached in normal use. See ingredients section of this data sheet.

Engineering Control Measures

The hazardous practice of dropping containers from delivery vehicles should be avoided. The correct equipment for handling the containers should be used. The ventilation of the areas used for storage, discharge or dispensing should be as normally required for chemical handling areas.

Personal protection

Respiratory None under normal use

OSHA PEL: Not established

ACGIH TVL: Not established

Other recommended limit: LD50 oral (rat) 1300 mg / kg

STPP (Sodium Tripolyphosphate)

Ingredient sequence number: 2

CAS No: 7758-29-4

IMIS: 2262

Sodium Lauryl Ether Sulfate

Ingredient sequence number: 3

CAS No: 9004-82-4

NIOSH No: WB7350000

Other recommended limit: Skin (rabbit) 25 mg / 24H moderate irritation

Eye (rabbit) 10mg

Propylene Glycol Monomethyl Ether

Ingredient sequence number: 4

CAS No: 107-98-2

Other recommended limit: Oral rat LD50: 5660mg/kg; skin rabbit LD50: 13000mg/kg; inhalation rat LC50: 10000ppm/5-hour: investigated as a reproductive effecter

Marlipal 013/70

Ingredient sequence number: 5

CAS No: 69011-36-5

NIOSH No: Not available

Water

Ingredient sequence number: 6

CAS No: 7732-18-55

NIOSH No: ZCO110000

Proprietary Blend

Ingredient sequence numbers 7,8,9 include an environmentally friendly colourant and chelating

Hand None under normal use

Eyes Wear eye protection gear

Skin Wear rubber gloves

9) Physical and Chemical Properties

Colour	Clear green
Physical form	Liquid
Odour	Mild organic odour
pH-value	9.5-10
Boiling point / range	No data
Melting point / range	No data, liquid at normal temperatures
Flash point	Above 100°C
Flammable limits	Non-flammable below flash point
Explosion properties	May have explosive potential in closed containers during fire at high temperatures
Vapour pressure	Not determined
Density	Slightly less than 1.0 g/c m ³
Solubility in water	Completely soluble
Corrosiveness	Not corrosive

10) Stability and Reactivity

Stability	Completely stable at temperatures below its flash point.
Incompatible materials	Strong acids, strong bases, and strong oxidising agents
Hazardous decomposition products	Carbon dioxide, carbon monoxide, oxides of sulphur, water

11) Toxicological Information

agents

4) First-aid Measures

Inhalation:	Considered to be non-hazardous
Eye contact	<p>If this product comes in contact with the eyes, hold the eye open and flush with running water for several minutes. Ensure irrigation under the eyelids by occasionally lifting them. Do not try to remove contact lenses unless trained, when removed continue flushing for several additional minutes.</p>
When swallowed / ingestion	Do NOT induce vomiting; rather give the victim a glass of water or two to drink.
Skin contact	The product has a pH of 9.5-10. Contact with skin can result in irritation. In this event wash the skin thoroughly and apply a moisturising cream. Remove contaminated clothing and footwear. Ensure that contaminated clothing is thoroughly washed before using again.

5) Fire Fighting Measures

Flammability of the product	Not flammable. Flash point not determined
Decomposition products	Carbon dioxide, carbon monoxide, oxides of sulphur, water
Extinguishing Media	Small or large fire: Carbon dioxide, dry chemical, foam
Polymerization	Will not polymerize
Specific hazards	<p>The decomposition products are not toxic. There is also a moderate risk of an explosion from this product if involved in a fire. Heat may cause violent rupture of the containers if involved in fire as a result of water boiling in containers at temperatures</p>

Acute Toxicity	None
Chronic Toxicity	Not available, but not expected to be toxic under normal exposure conditions.
Carcinogenicity	No evidence to indicate carcinogenic toxicity
Mutagenicity	No evidence to indicate mutagenic toxicity
Reproductive Hazards	No evidence to suggest reproductive toxicity

12) Ecological Information

This product is highly soluble in water, but no ecological damage will result from spillage. It is however advised that spillage should be avoided and that every precaution should be taken to prevent the product entering the environment.

14) Transport Information

This product is not controlled under any of the following classifications:	DOT (United States), TDG (Canada), IMDG, IATA/ICAO
UN Classification	None Allocated

13) Disposal Considerations

Disposal Methods	Dispose only in compliance with local, state, or federal regulations. The product, when absorbed on a suitable absorbent is expected to be suitable for disposal in approved landfills.
Classification	Not available
Disposal of packaging	Not available

15) Regulatory Information

National legislation	None
EEC hazard classification	Not regulated under Directive 67/548/EEC

result of water boiling in container at temperatures in excess of 100°C

Stability

Stable

Material to avoid

Strong acids, strong bases, strong oxidising agents

6) Accidental Release Measures

THE FOLLOWING IS A REQUIREMENT TO MEET VARIOUS LOCAL AND STATE REGULATIONS FOR THE PROTECTION OF FIRE FIGHTERS, ETC. ONLY APPLICABLE TO 210 LITRE DRUMS AND LARGER VOLUMES

Personal Protection

Wear full protective clothing including face mask, face shield and gauntlets

Small spill & leak

Absorb onto vermiculite or other absorbent material. Sweep and shovel into labelled containers for recycle or disposal.

Large spill & leak

Stop the leak if safe to do so and contain the spill. Absorb onto vermiculite or other absorbent material. Sweep and shovel into labelled containers for recycle or disposal. Recycle the material wherever possible. After spills, wash the area with copious amounts of water. Slippery on floors especially when wet.

Environmental precautions

In the event of a major spill, prevent the spill from entering drains or watercourses. The absorbed material may be suitable for approved landfill. Dispose only in compliance with local, state and federal regulations.

Code letter and hazard designation of product



Risk Phrases

Irritating to eyes R 36

Irritating to skin R 38

Safety phrases

Avoid contact with skin and eyes S24/25

Water hazard class

No hazard

Risk Phrases

Not considered hazardous in normal application

Safety phrases

None

16) Other Information

Application or use of the product

For the degreasing / cleaning of components in both the industrial and domestic environment.

References

The material safety data sheets supplied by the manufacturers and suppliers of the ingredients, and Cornell University (US) MSDS data sheets

Exclusion of liability

Although the information contained herein is based on product knowledge at the date of preparation and is presented in good faith and to the best of BIKINVENTION 2 CC's knowledge, it is made without any warranty or guarantee whatsoever.