

squirt

#Apply Performance



APPLICATION INSTRUCTIONS

Squirt Chain Lube is a bio-degradable wax based lubricant designed for bicycle chain lubrication in all weather conditions. Preparation and application are crucial to achieving the maximum benefits out of Squirt Chain Lube's unique wax formula. Please read and follow the instructions below to achieve the best results and efficiency.

Factory grease, old lube or oil are sticky and prevent Squirt Chain Lube from penetrating into the cavities between the chain pins, rollers and plates where it is needed to do its lubricating job. Other lubes and factory grease can also have a chemical reaction with the waxes in Squirt Chain Lube, limiting their efficiency and leaving a black residue.

PREPARING YOUR CHAIN FOR A FIRST TIME SQUIRT CHAIN LUBE APPLICATION:

We advise degreasing a new, out of the box, chain completely. For cleaning gunked up chain from previous oil, other dry lubes or new chain grease, soak in undiluted **Squirt Biodegradable Bike Cleaner Concentrate** for 30 minutes and use firm brush to accelerate the dissolving action. After degreasing it is imperative to clean off all degreaser thoroughly, and rinse properly a few times.

Shake bottle and apply Squirt Chain Lube to the rollers on the inside of the DRY chain while turning the cranks. Allow a few minutes for the chain lube to penetrate into the gaps between the pins, plates and rollers and then apply another layer of Squirt Chain Lube after 5minutes. Allow the chain to dry completely before cycling - especially in wet conditions.



NOTES FOR MOUNTAIN BIKE:

Apply Squirt Chain Lube liberally to the chain. Don't wipe it off, and let it dry completely before your ride.

NOTES FOR ROAD BIKE:

After applying Squirt Chain Lube wipe the outside of the chain with a rag, taking most of the remaining chain lube off. In the event of the chain on a road bike going a bit black (soft rubber residue on some tar roads), still don't degrease.

IMPORTANT NOTES:

Dirt will generally not stick to Squirt Chain Lube, and the little bit that may, will eventually flake off with the lube.

There is no need to remove wax from your chain again after applying Squirt Chain Lube. Just brush off occasionally with a dry brush and use a toothpick to remove some residue from the cassette and chain rings if necessary. A well waxed chain repels dirt, mud and water, and reduces chances of friction and chain suck.

Remember that when you take your bike in for a clean or service to ensure that you impress on the service manager NOT to apply any chain lube other than Squirt Chain Lube, otherwise you will then have to go through the tedious process of having to degrease your chain once again.

HOW OFTEN:

How often Squirt Chain Lube should be applied depends on the riding conditions. After a short while you will learn how long an application will last in your conditions. Of course, when you hear a dry chain noise, you should have applied already - so for the first few rides, while you learn about your conditions, it may be a good idea to take a small sample bottle with you on your rides.

Dry Conditions:

Generally, every 4 hours on the MTB, and 6 hours on the road bike.



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Wet Conditions:

We advise to apply after every ride since this will enhance the lifetime of your chain and cassette.

Applying Squirt Chain Lube after a ride is a good idea as the lube will dry and be ready for the next ride. When anticipating a ride in wet conditions, application the night before will ensure that the chain lube is dry the next day.

Kindly visit our [and](#) pages to read about our other products and the events we support.

The authoritative US Velo Magazine tested Squirt Chain Lube as the fastest drip lube out there <http://www.squirtlube.com/professionals/VeloNews2014-01.pdf>

A collage of four vertical panels illustrating different riding conditions. From left to right: 1. A blue sky and ocean scene with a swimmer icon and a Squirt Barrier Balm jar. 2. A sunset road scene with a sun icon and a Squirt Chain Lube bottle and Barrier Balm jar. 3. A snowy mountain road scene with a snowflake icon and a Squirt Chain Lube bottle and Barrier Balm jar. 4. A forest path scene with a tree icon and a Squirt Bike Wash bottle and Barrier Balm jar. At the bottom, the Squirt logo is displayed in white on a dark blue background, with the text "Chain Lube | Barrier Balm | Bike Wash | Sweatbands" below it.

squirt
Chain Lube | Barrier Balm | Bike Wash | Sweatbands

SAFETY DATA SHEET

SECTION 1. IDENTIFICATION OF PRODUCT AND COMPANY

1.1 Product Name:
 Squirt Long Lasting Chain Lube
 Squirt Low Temperature Chain Lube
 Squirt eBike Chain Wax

Product identifier Chain lubricant

Other Identifier Wax emulsion

REACH Substance name Not available

REACH Registration Number Not available

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

Uses advised against Heat

1.3 Supplier or Manufacturer's details:

Company Name Bikinvention 2 CC
Company Address 56 STOCKENSTROM STREET
 GEORGE, 6529
 SOUTH AFRICA

Telephone +27(0) 83 459 4548

Fax +27(0) 86 611 5499

E-mail address jh@squirtlube.com

1.4 Emergency Phone Number:

Emergency telephone: South Africa +27(0) 83 459 4548

SECTION 2. Hazards identification

2.1 Classification of the substance or mixture:

Classification: EU. GHS Classification and labelling, based on CLP Reg. No 1272/2008

Non-Hazardous

Classification: EU. CLP Reg. (EC) No 1272/2008 (that repealed Directive 67/548/EEC)

This substance is not classified as dangerous according to Directive 67/548/EEC.

2.2 Label elements: **EU. GHS Classification and labelling, based on CLP Reg. No 1272/2008**

Signal word	This substance is not classified as dangerous according to GHS.
Classification	Non-Hazardous
Hazard statements	This substance is not classified as dangerous according to GHS.
Precautionary Statement - Prevention	This substance is not classified as dangerous according to GHS.
Precautionary Statement - Response	This substance is not classified as dangerous according to GHS.
Precautionary Statement - Storage	This substance is not classified as dangerous according to GHS.
Precautionary Statement - Disposal	This substance is not classified as dangerous according to GHS.
Pictogram	Not applicable

EU. CLP Reg. (EC) No 1272/2008 (that repealed Directive 67/548/EEC)

R-phrase(s)	This substance is not classified as dangerous according to GHS.
S-phrase(s)	This substance is not classified as dangerous according to Directive 67/548/EEC.
Symbol(s)	This substance is not classified as dangerous according to Directive 67/548/EEC.

2.3 Other hazards: No data available

Additional advice The product does not need to be labelled in accordance with EC directives or respective national laws.

SECTION 3. Composition/information on ingredients

3.1 Substance Contains Preparation based on: **Emulsion of Wax and Water**

Main Ingredients:

- a) Paraffin and Hydrocarbon waxes..: (Cas no. 68441-17-8)....: 28 - 35%**
- b) Water.....: (Cas no. 7732-18-5)....: 60 - 70%**
- c) Emulsifiers.....: (Cas no. Proprietary)..: > 5%**

Other Data.....: No dangerous ingredients according to Directive 2001/58/EC

SECTION 4. First aid measures

4.1 Description of necessary first-aid measures:

Inhalation	Move to fresh air in case of accidental inhalation of vapours.
Skin contact	Wash off with soap and water.
Eye contact	Rinse with water. If eye irritation persists, consult a specialist.
Ingestion	Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

4.2 Most important symptoms/effects, acute and delayed:

Refer to SECTION 11

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

Refer to SECTION 4.1

SECTION 5. Firefighting measures

5.1 Suitable extinguishing: Foam, Dry powder, sand and water spray **media**

5.2 Special hazards arising from the substance or mixture: Do not allow run-off from fire fighting to enter drains or water courses, dyke fire control water for controlled disposal later on. Burning produces irritant fumes

5.3 Special protective equipment for firefighters: In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

5.4 Extinguishing media which shall not be used for safety reasons : Water jet

SECTION 6. Accidental release measures

6.1 Personal precautions: Liquid - Remove persons to safety.

6.2 Environmental precautions: Prevent product from entering drains

6.3 Methods for cleaning up: Absorb product with inert material (sawdust, sand, diatomaceous earth). Remove mechanically.

6.4 Reference to other sections: Refer to Section 8 and 13

6.5 Additional advice: Never return spills in original container for re-use

SECTION 7. Handling and storage

7.1 Safe handling advice:

Provide sufficient air exchange and/or exhaust in work rooms.

7.2 Advice on protection against fire and explosion:

Keep away from open flame hot surfaces and sources of ignitions

7.3 Requirements for storage areas and containers:

Keep containers tightly closed in a cool, well-ventilated place. Store in banded area large enough to contain total spillage.

SECTION 8. Exposure controls/personal protection

8.1 Components with workplace control parameters:

NATIONAL OCCUPATIONAL EXPOSURE LIMITS

No data available

EUROPEAN OCCUPATIONAL EXPOSURE LIMITS

No data available

8.2 Exposure controls:

Engineering measures: Provide sufficient air exchange and/or exhaust in work rooms.

Personal protective equipment:

Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment.

Hand protection: Waterproof gloves

Eye protection: Safety glasses

Skin and body protection: Protective overall

Hygiene measures: Wash hands before breaks and immediately after handling the product.

SECTION 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties:

Form :	Liquid, Oil in Water Emulsion
State of matter :	Slightly Viscous Liquid; at 20 °C; 1,013 hPa
Colour :	Translucent/Milky, Slightly Amber
Odour :	Slight acidic
Odour Threshold :	No data available
pH :	9.5 – 10.5
Boiling point/boiling range:	> 100 °C
Flash point :	Not applicable
Evaporation rate :	No data available

Flammability (solid, gas) :	Not applicable
Vapour density :	No data available
Density :	0.998 – 1.10 g/cm ³ ; 25 °C
Solids Content(%) :	28 – 35%
Water solubility :	Soluble, Miscible
Solvent Content :	
Organic solvents:	None
Water:	60 - 70%
VOC (EC):	< 1.00 %

SECTION 10. Stability and reactivity

10.1 <u>Reactivity:</u>	Hazardous polymerisation does not occur.
10.2 <u>Chemical stability:</u>	Stable under recommended storage conditions.
10.3 <u>Possibility of hazardous reactions:</u>	Hazardous polymerisation does not occur.
10.4 <u>Conditions to avoid:</u>	Heat.
10.5 <u>Materials to avoid:</u>	Oxidizing agents, Strong acids
10.6 <u>Hazardous decomposition products:</u>	Carbon oxides. Flue gas, carbon monoxide, aldehydes in the case of incomplete combustion approx. 250°C
<u>Additional information:</u>	Do not expose product to temperatures below 5°C or above 35°C as this may cause separation of the emulsion into components

SECTION 11. Toxicological information

11.1 Information on toxicological effects: Acute toxicity: LD/LC50 values that are relevant for classification:

Test.....: Result.....: Route.....: Species.....: (Component/literature value)

- | | | | |
|---------|-------------|--------|--|
| 1. LD50 | >5000 mg/kg | Oral | Rat (Synthetic wax, Paraffinic hydrocarbon: literature value) |
| 2. LD50 | >3600 mg/kg | Dermal | Rabbit (Synthetic wax, Paraffinic hydrocarbon: literature value) |

Irritation and corrosion:

Eye irritation: Synthetic wax, Paraffinic hydrocarbon: Rabbit: Mild eye irritation

Skin irritation: Synthetic wax : Human (irritant)

Further Information: No data available

SECTION 12. Ecological information

- 12.1 Ecotoxicity effects:** If contaminated effluent water is properly entered into the sewerage system. Any interference with the degrading activity of the activated sludge organisms must not be expected
- 12.2 Persistence and degradability:** Method: OECD 302B (Zahn-Wellens Test)
Analysing method: DOC-Elimination:
Degree of elimination: > 90
- 12.3 Bioaccumulative potential:** No data available
- 12.4 Mobility in soil :** No data available
- 12.5 Results of PBT and vPvB assessment:** According to Annex XIV of Regulation (EC) No.1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH): The product does not contain a substance fulfilling the PBT (persistent/bioaccumulative/toxic) criteria or the vPvB (very persistent/very bioaccumulative) criteria. (Self classification)
- 12.6 Other adverse effects:** The product does not contain substance which can influence the AOX value of effluent water.
- 12.7 Heavy metals and compounds (according EC guideline NO. 76/464 EC):** None

SECTION 13. Disposal considerations

- 13.1 Product:** Dispose of in accordance with local regulations.
- 13.2 Contaminated packaging:** Store containers and offer for recycling of material when in accordance with local regulations

SECTION 14. Transport information

Further information: Not classified as dangerous in the meaning of transport regulations.

SECTION 15. Regulatory information

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

Inventories:

TSCA
DSL
AICS

Notification status:

On Inventory
All components of this product are on the Canadian DSL.
On the inventory, or in compliance with the inventory

NZIOC	On the inventory, or in compliance with the inventory
ENCS (JP)	Not listed
REACH	Not Listed
ISHL (JP)	Not Listed
KECI (KR)	On the inventory, or in compliance with the inventory
PICCS (PH)	On the inventory, or in compliance with the inventory
IECSC	On the inventory, or in compliance with the inventory

Key Inventories:
Description:

REACH	1907/2006 (EU)
TSCA	United States TSCA Inventory
DSL	Canadian Domestic Substances List (DSL)
AICS	Australia Inventory of Chemical Substances (AICS)
NZIOC	New Zealand. Inventory of Chemical Substances
ENCS (JP)	Japan. ENCS - Existing and New Chemical Substances Inventory
ISHL (JP)	Japan. ISHL - Inventory of Chemical Substances (METI)
KECI (KR)	Korea. Korean Existing Chemicals Inventory (KECI)
PICCS (PH)	Philippines Inventory of Chemicals and Chemical Substances (PICCS)
IECSC	China. Inventory of Existing Chemical Substances in China (IECSC)

SECTION 16. Other information
Abbreviations and Acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

All reasonable efforts were exercised to compile this SDS in accordance with ISO 11014 and

ANSIZ400.1.1993. The SDS provides information regarding the health, safety and environmental hazards, at the date of issue, to facilitate the safe receipt, use and handling of the product in the workplace. Since Bikinvention 2 CC and its subsidiaries cannot anticipate or control all conditions under which the product may be handled, used and received in the workplace, it remains the obligation of each user, receiver or handler to, prior to usage, review this SDS in the context within which the product will be received, handled or used in the workplace. The user, handler or receiver must ensure that the necessary mitigating measures are in place as regards health and safety. This does not substitute the need or requirement for any relevant risk assessments to be conducted. It further remains the responsibility of the receiver, handler or user to communicate such information to all relevant parties that may be involved in the receipt, use or handling of the product.

DATA SPECIFICATION SHEET ISSUED BY: BIKINVENTION2 CC