

# Material Safety Data Sheet



www.adhestick.com www.joes-no-flats.com



## Bicycle Chain Lube Eco Nano For Dry Conditions (DROP) MSDS

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifiers

Product name: Bicycle Chain Lube Eco Nano For Dry Conditions.

Product Number: #60073

EC-Number: Not Relevant.

CAS-Number: Not Relevant.

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

Identified uses: Bicycle's chain lube, based on Nano-particles.

#### 1.3 Details of the supplier of the safety data sheet

Company: Adhestick Innovations Ltd.  
17 Hamelacha St., Afek Ind. Park  
Rosh Ha'ain, 4809144  
ISRAEL

Telephone: +972-3-9027080  
Fax: +972-3-9027077  
E-mail: Info@adhestick.com

#### 1.4 Emergency telephone number

Emergency Phone Number: +972-3-9027080

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008

This product is classified as hazardous according to regulation.

#### 2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

GHS-02 – Corrosives

GHS-08 – Harmful

GHS-09 – Environmental Hazard

Pictogram



Signal word: Danger

Hazard statement(s):

H302 – Harmful if swallowed.

H318 – Causes serious eye damage.

H400 – Very toxic to aquatic life.

Precautionary statement(s):

P273 – Avoid release to the environment.

P280 – Wear protective gloves/ eye protection/ face 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.

#### 2.3 Other hazards

None.

**ADHESTICK** INNOVATIONS LTD.

17 Hamelacha St., P.O.Box 11675, Afek Industrial Park, Rosh Ha'ain 4809144, Israel  
Tel. +972 3 9027080 | Fax. +972 3 9027077 | Vat 515274389  
info@adhestick.com



# Material Safety Data Sheet



www.adhestick.com www.joes-no-flats.com



## Bicycle Chain Lube Eco Nano For Dry Conditions (DROP) MSDS

### SECTION 3: Composition/information on ingredients

#### 3.1 Substances

Not Relevant

#### 3.2 Hazardous ingredients according to Regulation (EC) No 1272/2008

Component	Classification	Concentration
Ethoxylated nonylphenol		
CAS-No. 9016-45-9 EC-No. 500-024-6 Index-No. --- Registration number ---	Acute Tox. 4, H302; Eye Dam. 1, H318; Aquatic Acute 1, H400	<2%
alcohols, ethoxylated		
CAS-No. 68439-46-3 EC-No. --- Index-No. --- Registration number ---	Eye Dam. 1, H318	<6%

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

##### General advice

Move out of dangerous area. Do not leave the victim unattended. Consult a physician. Show this safety data sheet to the doctor in attendance.

##### If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. If unconscious, place in recovery position and seek medical advice. If symptoms persist, call a physician. Consult a physician.

##### In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

##### In case of eye contact

Small amounts splashed into eyes can cause irreversible tissue damage and blindness. In the case of contact with eyes, rinse immediately, thoroughly, with plenty of water for at least 15 minutes and seek medical advice. Keep eye wide open while rinsing. Continue rinsing eyes during transport to hospital. Remove contact lenses. Protect unharmed eye. If eye irritation persists, consult a specialist.

##### If swallowed

Clean mouth with water and drink afterwards plenty of water. Keep respiratory tract clear. Do NOT induce vomiting. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Take victim immediately to hospital. Consult a physician.

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

The most important known symptoms and effects are described in the labelling (section 2.2) and/or in section 11.

##### If inhaled

No Data.

##### In case of skin contact

No Data.

##### In case of eye contact

No Data.

##### If swallowed

No Data.

##### Delayed / Immediate effects

No Data.

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

No Data.

## ADHESTICK INNOVATIONS LTD.

17 Hamelacha St., P.O.Box 11675, Afek Industrial Park, Rosh Ha'ain 4809144, Israel  
Tel. +972 3 9027080 | Fax. +972 3 9027077 | Vat 515274389  
info@adhestick.com



# Material Safety Data Sheet



www.adhestick.com



www.joes-no-flats.com

## Bicycle Chain Lube Eco Nano For Dry Conditions (DROP) MSDS

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

##### Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

##### Unsuitable extinguishing media

High volume water jet.

#### 5.2 Special hazards arising from the substance or mixture

Do not allow residues from fire-fighting to enter drains or water systems.

#### 5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

#### 5.4 Further information

Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

### SECTION 6: Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation.

#### 6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. If the product contaminates rivers and lakes or drains inform respective authorities. Discharge into the environment must be avoided.

#### 6.3 Methods and materials for containment and cleaning up

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

#### 6.4 Reference to other sections

For personal protection see section 8.

For disposal see section 13.

### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

Do not breathe vapors/dust. Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. To avoid spills during handling keep bottle on a metal tray. Dispose of rinse water in accordance with local and national regulations. For precautions see section 2.2.

#### 7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place. Store in cool place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

#### 7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

##### Components with workplace control parameters

None.

#### 8.2 Exposure controls

##### Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke while using. Wash hands before breaks and at the end of workday.

##### Personal protective equipment

##### Eye/face protection

Wear tightly fitting safety goggles or face-shield (8-inch minimum) and protective suit for abnormal processing problems. Use equipment that been tested and approved under appropriate government standards.

# Material Safety Data Sheet



www.adhestick.com www.joes-no-flats.com

## Bicycle Chain Lube Eco Nano For Dry Conditions (DROP) MSDS

### Skin protection

Handle with butyl-rubber gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. The suitability for a specific workplace should be discussed with the producers of the protective gloves.

### Body Protection

Wear complete suit protecting against chemicals, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

### Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

### Control of environmental exposure

Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. Discharge into the environment must be avoided. If the product contaminates rivers and lakes or drains inform respective authorities.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance	Form: Liquid Color: White
Odor	Characteristic
Odor Threshold	No Data
pH	8.5-9
Melting point/freezing point	No Data
Initial boiling point and boiling range	No Data
Flash point	Not Relevant
Evaporation rate	No Data
Flammability (solid, gas)	Not Flammable
Upper/lower flammability or explosive limits	Upper explosion limit: Not Relevant Lower explosion limit: Not Relevant
Vapor pressure	No Data
Vapor density	No Data
Relative density (H <sub>2</sub> O=1)	0.95-0.97 gr/cm <sup>3</sup> at 24°C
Non volatiles contains	47±1%
Water solubility	Not Miscible
Partition coefficient: n octanol/water	No Data
Auto-ignition temperature	No Data
Decomposition temperature	No Data
Viscosity	45-55 cPs/ sp.2/ V-100
Explosive properties	No Data
Oxidizing properties	No Data

### 9.2 Other safety information

No Data.

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Stable under normal transport and storage conditions.

**ADHESTICK INNOVATIONS LTD.**

17 Hamelacha St., P.O.Box 11675, Afek Industrial Park, Rosh Ha'ain 4809144, Israel  
Tel. +972 3 9027080 | Fax. +972 3 9027077 | Vat 515274389  
info@adhestick.com



# Material Safety Data Sheet



www.adhestick.com www.joes-no-flats.com



## Bicycle Chain Lube Eco Nano For Dry Conditions (DROP) MSDS

### 10.2 Chemical stability

Stable under normal conditions of storage and handling.

### 10.3 Possibility of hazardous reactions

No decomposition if stored and applied as directed.

### 10.4 Conditions to avoid

No Data.

### 10.5 Incompatible materials

Strong oxidizing agents.

### 10.6 Hazardous decomposition products

Hydrogen fluoride.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

None.

#### Skin corrosion/irritation

Mild skin irritation (rabbit).

#### Serious eye damage/eye irritation

Severe eye irritation (rabbit).

#### Respiratory or skin sensitization

Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals.

#### Germ cell mutagenicity

No Data.

#### Carcinogenicity

IARC: No component of this product presents at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

#### Reproductive toxicity

No Data.

#### Specific target organ toxicity - single exposure

No Data.

#### Specific target organ toxicity - repeated exposure

No Data.

#### Aspiration hazard

No Data.

#### Additional Information

Nausea, Headache, Vomiting.

## SECTION 12: Ecological information

### 12.1 Toxicity

Product/ingredient name	Test	Species	Dose
Ethoxylated nonylphenol	LOEC/144h	Fish (Pimephales promelas)	2.0 mg/l
	NOEC/144h	Fish (Pimephales promelas)	1.8 mg/l
	LC50/96h	Fish (Lepomis macrochirus)	1.0 mg/l
	EC50/8h	daphnia	12.2 – 17.0 mg/l
	LOEC/144h	Daphnia magna	20.0 mg/l
	NOEC/144h	Daphnia magna	10.0 mg/l
	LOEC/96h	Algae ( Pseudokirchneriella subcapitata)	16.0 mg/l
	NOEC/96h	Algae ( Pseudokirchneriella subcapitata)	8.0 mg/l

## ADHESTICK INNOVATIONS LTD.

17 Hamelacha St., P.O.Box 11675, Afek Industrial Park, Rosh Ha'ain 4809144, Israel  
Tel. +972 3 9027080 | Fax. +972 3 9027077 | Vat 515274389  
info@adhestick.com



# Material Safety Data Sheet



www.adhestick.com www.joes-no-flats.com



## Bicycle Chain Lube Eco Nano For Dry Conditions (DROP) MSDS

### 12.2 Persistence and degradability

No Data Available.

### 12.3 Bioaccumulative potential

No Data Available.

### 12.4 Mobility in soil

No Data Available.

### 12.5 Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

### 12.6 Other adverse effects

Very toxic to aquatic life.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Product

Do not dispose of waste into sewer. Do not contaminate ponds, waterways or ditches with chemical or used container. Send to a licensed waste management company.

#### Contaminated packaging

Empty remaining contents. Dispose of as unused product. Do not re-use empty containers.

## SECTION 14: Disposal considerations

**14.1 UN number:** Not classified as dangerous goods for transport.

**14.2 UN proper shipping name:** No dangerous goods

**14.3 Transport hazard class(es):** Not classified as hazardous for transport.

**14.4 Packaging group:** Not Relevant

**14.5 Environmental hazards:** Not Relevant

**14.6 Special precautions for user:** Not Relevant

## SECTION 15: Regulatory information

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

No Data.

### 15.2 Chemical Safety Assessment

No Data.

## SECTION 16: Other information

Acute Tox.: Acute Toxicity.

Eye Dam.: Eye Damage.

Aquatic Acute: Aquatic Acute toxicity.

### Full text of H-Statements referred to under sections 2 and 3

H302: Harmful if swallowed.

H318: Causes serious eye damage.

H400: Very toxic to aquatic life.

### Full text of R-phrases referred to under sections 2 and 3

EUH208: May produce an allergic reaction.

P273: Avoid release to the environment.

P280: Wear protective gloves/ eye protection/ face 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.

P310: Immediately call a POISON CENTER or doctor/ physician.

# Material Safety Data Sheet



www.adhestick.com www.joes-no-flats.com

## Bicycle Chain Lube Eco Nano For Dry Conditions (DROP) MSDS

### Further information

The information here in was gathered from the raw materials suppliers. It is the duty of the user to verify the data and use the product responsibly as per his requirements and the producers' instructions. Adhestick Innovations LTD or its employees will not be held responsible for any damage caused by the use of this information and/or the product.

Update: November, 2016