

Material Safety Data Sheet

Road Leader Sealant MSDS



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

1.1 Product identifiers

Product name: Road Leader Sealant (J-Road-3.0)

Product Number: 180660

EC-Number: Not Relevant

CAS-Number: Not Relevant

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

Identified uses: Tire flats prevention fluid for professional field cyclists.

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 considered as hazardous according to regulation.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

GHS-07 – Harmful

Pictogram



Signal word: Warning

Hazard statement(s):

H302 – Harmful if swallowed.

Precautionary statement(s):

P301+312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

P330- Rinse mouth.

2.2 Other hazards

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

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
Ethylene glycol		

Material Safety Data Sheet

Road Leader Sealant MSDS



CAS-No. 107-21-1 EC-No. 203-473-3 Index-No. 603-027-00-1 Registration number 01-2119456816-28-XXXX	Acute Tox. 4; STOT RE 2; H302, H373	≤10%
Propylene Glycol		
CAS-No. 57-55-6 EC-No. 200-338-0 Index-No ---- Registration number ----	No classified	≤10%

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice

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. Consult a physician.

In case of skin contact

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

In case of eye contact

Flush eyes with water as a precaution.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. 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 (see section 2.2) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

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

5.2 Special hazards arising from the substance or mixture

No data available

5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

5.4 Further information

No data available

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. For personal protection see section 8.

6.2 Environmental precautions

Do not let product enter drains

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 disposal see section 13.

Material Safety Data Sheet

Road Leader Sealant MSDS



SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

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

Hygroscopic.

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

Ingredient name	Occupational exposure limits
Ethylene glycol	DNEL: Long-term local effects: 7-35 mg/m ³ Long-term systemic effects: 53-106 mg/kg BW/d
Propylene Glycol	TWA: 10mg/m ³ .

8.2 Exposure controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with 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.

Body Protection

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

Do not let product enter drains.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	Form: Liquid Color: off white
Odor	Mild Ammonia
Odor Threshold	No Data
pH	10-11
Melting point/freezing point	No data

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Road Leader Sealant MSDS



Initial boiling point and boiling range	No data
Flash point	>100°C (>200°F)
Evaporation rate	water=1
Flammability (solid, gas)	Not Flammable
Upper/lower flammability or explosive limits	Not Relevant
Vapor pressure	Not Relevant
Vapor density	No data
Relative density	No data
Non-volatiles contain	25-28%
Water solubility	No data
Partition coefficient: n octanol/water	No Data
Auto-ignition temperature	Not Relevant
Decomposition temperature	<5°C
Viscosity	8-30cp
Explosive properties	No Data
Oxidizing properties	No Data

9.2 Other safety information

No further information.

SECTION 10: Stability and reactivity

10.1 Reactivity

No data available

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

No data available

10.5 Incompatible materials

Strong acids, Strong oxidizing agents, Strong bases, Aldehydes, Aluminum

10.6 Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Carbon oxides In the event of fire: see section 5

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Ethylene glycol: Oral – LD50, 4.700 mg/kg (Rat)
Dermal – LD50, 10.626 mg/kg (Rabbit).

Propylene Glycol: Oral – LD50, 20 g/kg (Rat)
Dermal – LD50, 20.8 g/kg (Rabbit).

Skin corrosion/irritation

Mild skin irritation.

Serious eye damage/eye irritation

Mild eye irritation.

Respiratory or skin sensitization

No data available.

Germ cell mutagenicity

No data available.

Carcinogenicity

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

Reproductive toxicity

No data available.

Specific target organ toxicity - single exposure

No data available

Specific target organ toxicity - repeated exposure

Oral - May cause damage to organs through prolonged or repeated exposure. - Kidney

Aspiration hazard

No data available

Additional Information

Gastrointestinal disturbance, Nausea, Headache, Vomiting, Central nervous system depression

SECTION 12: Ecological information

12.1 Toxicity

Product/ingredient name	Test	Species	Dose
Ethylene glycol	LC50/96h	Fish (Oncorhynchus mykiss)	18.500mg/l
	LC50/48h	Fish (Leuciscus idus)	>10.000 mg/l
	NECO/7d	Fish (Pimephales promelas)	32.000 mg/l
	NECO/96h	Fish (Pimephales promelas)	39.140 mg/l
	EC50/24h	Daphnia magna (Water flea)	74.000 mg/l
	LC50/48h	Daphnia magna (Water flea)	41.000 mg/l
	NECO/48h	Daphnia (water flea)	24.000 mg/l

12.2 Persistence and degradability

Ethylene glycol: Ratio BOD/ThBOD 0,78 %

Bioaccumulative potential

Ethylene glycol: Bioconcentration factor (BCF): 0,60

Mobility in soil

No data available

12.3 Results of PBT and vPvB assessment

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

12.4 Other adverse effects

no data available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging

Dispose of as unused product.

SECTION 14: Transport information

14.1 UN number: Not Relevant.

14.2 UN proper shipping name: No dangerous goods

14.3 Transport hazard class(es): Not Relevant

14.4 Packaging group: Not Relevant

14.5 Environmental hazards: Not Relevant

14.6 Special precautions for user: Not Relevant

SECTION 15: Regulatory information

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

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.2 Chemical Safety Assessment

A Chemical Safety Assessment has been carried out for this substance.

SECTION 16: Other information

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

According to section 2:

H302: Harmful if swallowed.

According to section 3:

H302: Harmful if swallowed.

H373: May cause damage to organs (Kidney) through prolonged or repeated exposure if swallowed.

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

P301+312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

P330: Rinse mouth.

Further information

This information was gathered from the raw materials suppliers. It is the user responsibly to verify the data and to use this product according to its requirements and 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.

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