

Material Safety Data Sheet (MSDS)

Inovex Industries, Inc.

Page 1/5

Date Prepared: 04-27-2006

Date Printed: 4/27/2006

MSDS No: 022703-001.001

RIDE-ON TIRE PROTECTION SYSTEM (TPS) TIRE SEALANT

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Material Identity

Product Name: **Ride-On Tire Protection System (TPS) Tire Sealant**

Product Description: Water-based tire sealant for pneumatic tires

Company

Inovex Industries, Inc.
45681 Oakbrook Court, Unit 102
Sterling, VA 20166 USA
Tel: 703-421-9778
Fax: 703-421-1967

Emergency Telephone Number:

1-800-255-3924
24 hours everyday

Information Telephone Number:

703-421-9778
1-888-374-3366 (US Only)

2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Ingredient(s)</u>	<u>CAS Number</u>	<u>% (by weight)</u>
Ethylene Glycol	107-21-1	35-55
Water	7732-18-5	45-65
Fibers and fillers (no asbestos, ceramics, or glass)	Proprietary	3-6
Non-heavy metal based corrosion inhibitors	Proprietary	1.5-4
other ingredients that are either:		Balance less than 1%
A) Not classified by the OSHA Communication Standard to be Hazardous, or		
B) Present in concentrations less than 1% (less than .1% for carcinogens) in this product		

3. Hazards Identification

Potential Health Effects:

Eye

Exposure may cause mild eye irritation. Symptoms may include stinging, tearing, redness, and swelling.

Skin

Harmful effects are not expected from this route of exposure under normal conditions of handling and use.

Swallowing

Single dose oral toxicity is low. Swallowing small amounts during normal handling is not likely to cause harmful effects; swallowing large amounts may be harmful.

Inhalation

Harmful effects are not expected from this route of exposure under normal conditions of handling and use.

Developmental Information

This material (or a component) may cause birth defects in humans based on positive test results with laboratory animals.

Material Safety Data Sheet (MSDS)

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Page 2/5

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Cancer Information

This material is not expected to be carcinogenic in humans based in negative evidence of carcinogenicity in laboratory animals. This material is not listed as a carcinogen by IARC, NTP, or OSHA.

Primary Routes of Entry

Inhalation, skin contact, eye contact, ingestion - industrial products are not meant to be swallowed.

4. FIRST AID MEASURES

Eyes

If symptoms develop, immediately move individual away from exposure and into fresh air. Flush eyes gently with water for at least 15 minutes while holding eyelids apart; seek immediate medical attention.

Swallowing

If swallowed, seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. If individual is conscious and alert, induce vomiting by giving syrup of ipecac or by gently placing two fingers at the back of the throat. If possible, do not leave individual unattended.

Skin

Harmful effects are not expected from this route of exposure under normal conditions of handling and use. Although rare, skin contact with ethylene glycol may cause allergic skin reaction. Exposure may cause mild skin irritation. Symptoms may include redness and burning. Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention. Launder clothing before reuse.

Inhalation

Harmful effects are not expected from this route of exposure under normal conditions of handling and use. If symptoms develop, move individual away from exposure and into fresh air. If symptoms persist, seek medical attention. If breathing is difficult, administer oxygen. Keep person warm and quiet. If person is not breathing, begin artificial respiration.

Note to Physicians

This product contains Ethylene Glycol. Ethanol decreases the metabolism of ethylene glycol to toxic metabolites. Ethanol should be administered as soon as possible in cases of severe poisoning since the elimination half-life of ethylene glycol is 3 hours. If medical care will be delayed several hours, use three to four 1-ounce "shots" of 86-proof or higher whiskey before or during transport to the hospital. Hemodialysis effectively removes ethylene glycol and its metabolites from the body.

5. FIRE FIGHTING MEASURES

Flash Point

None to Boil (> 550°F)

Hazardous Products of Combustion

May form: carbon dioxide and carbon monoxide.

Extinguishing Media

Water fog, alcohol foam, carbon dioxide, dry chemical.

Material Safety Data Sheet (MSDS)

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Page 3/5

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Fire Fighting Instructions

Wear a self-contained breathing apparatus with full face piece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment. Refer to the personal protective equipment section of this MSDS. No special precautions necessary when fighting fires involving this product.

NFPA Rating

Health - 1, Flammability - 1, Reactivity - 0

6. ACCIDENTAL RELEASE MEASURES

Small Spills

Absorb liquid on vermiculite, floor absorbent or other absorbent material. Collect material with vacuum cleaner.

Large Spills

Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Stop spill at source, dike area of spill to prevent spreading, pump liquid to salvage tank. Remaining liquid may be taken up on sand, clay, earth, floor absorbent, or other absorbent material and shoveled into containers.

7. Handling and Storage

Handling and Storage

Keep container closed when not in use. It is recommended that containers of product be stored indoors or out of direct sunlight. Precautions should be taken when lifting containers to prevent injury. Empty containers should be cleaned thoroughly of product residues prior to reuse.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection

Chemical splash goggles in compliance with OSHA regulations are advised; however, OSHA regulations also permit other type of safety glasses. Consult your safety representative.

Skin Protection

Harmful effects are not expected from this route of exposure under normal conditions of handling and use. However, as part of good industrial hygiene practices, wear resistant gloves such as: neoprene, nitrile rubber, natural rubber, and polyvinyl chloride.

Respiratory Protection

Harmful effects are not expected from this route of exposure under normal conditions of handling and use.

Exposure Guidelines

Component

ETHYLENE GLYCOL (107-21-1)

OSHA VPEL 50.000 ppm - Ceiling

ACGIH TLV 50.000 ppm - Ceiling vapor and mist

Material Safety Data Sheet (MSDS)

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Page 4/5

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MSDS No: 022703-001.001

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9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point	Greater than 250 F (121 C)
Vapor Pressure:	N/A
Specific Vapor Density:	N/A
Specific Gravity:	1.06 – 1.10 (H ₂ O = 1)
Percent Volatile:	No Data
Evaporation Rate:	Not Data
State:	Liquid
Color:	Color added (typically found: White, Yellow, Blue, Cream, Orange, red, purple)
Odor:	Faint Glycol
pH:	8.0 – 10.0
Viscosity:	2,300 cp – 15,000 cp
Freezing Point:	< -40 F (-40 C)

10. STABILITY AND REACTIVITY

Hazardous Polymerization
Product will not undergo hazardous polymerization.

Hazardous Decomposition
May form: carbon dioxide and carbon monoxide.

Chemical Stability
Stable.

10. Toxicological Information

No Data.

11. Toxicological Information

No Data.

12. Ecological Information

No Data.

13. Disposal Information

Waste Management Information

Dispose of in accordance with all applicable local, state, and federal regulations. Do not flush to storm sewer.

Material Safety Data Sheet (MSDS)

Inovex Industries, Inc.

Page 5/5

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14. TRANSPORT INFORMATION

THIS MATERIAL IS NOT HAZARDOUS AD DEFINED BY 49 CFR 172.101 BY THE US DEPARTMENT OF TRANSPORTATION

DOT Information - 49 CFR 172.101

DOT Description: This product is non-flammable, non-hazardous and not Regulated

Container/Mode: 275 gallon tote, 55 Gallon Drum, 5 Gallon Pail, 8 & 16 ounce bottles.

NOS Component: None

RQ (Reportable Quantity) - 49 CFR 172.101

Not Applicable

15. REGULATORY INFORMATION

US Federal Regulations

TSCA (Toxic Substances Control Act) Status

TSCA (United States) The intentional ingredients of this product are listed.

CERCLA RQ - 40 CFR 302.4

Component

Ethylene Glycol

RQ (lbs)

5000

SARA 302 Components - 40 CFR 355 Appendix A

None

International Regulations

Inventory Status

DSL (CANADA) The intentional ingredients of this product are listed.

State and Local Regulations

California Proposition 65

None

New Jersey RTK Label Information

Ethylene Glycol

107-21-1

Pennsylvania RTK Label Information

1,2-Ethanediol

107-21-1

16. OTHER INFORMATION

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.