

MICHELIN

North America

Material Safety Data Sheet

Section 1. Chemical Product and Company Identification

Common Name	PAX GEL 10140	Code	10140
Supplier	MICHELIN NORTH AMERICA INC. P.O. BOX 2846 GREENVILLE, SC 29602-2846 (864)277-9300	MNA Approval#:	09441
Synonym	10140X10 PAX GEL	TSCA Inventory	TSCA 8(b) inventory: GLYCERIN
Trade Name	PAX GEL 10140	Validation Date	6-27-2002
Material Uses	PAX TIRE MOUNTING LUBRICANT	Print Date	6-27-2002
Manufacturer	MICHELIN NORTH AMERICA INC. P.O. BOX 2846 GREENVILLE, SC 29602-2846 (864)277-9300	Responsible for Preparation	A. Watson, OHST
		In Case of Emergency	CALL (864)277-9300

Section 2. Composition and Information on Ingredients

Name	CAS #	% by Weight	Exposure Limits
1) Glycerin	56-81-5	40-70	TWA: 15 (mg/m ³) from OSHA (PEL) TWA: 10 (mg/m ³) from ACGIH (TLV)
2) Water	7732-18-5	30-60	Not available.

Section 3. Hazards Identification

Physical State and Appearance	Liquid. (Paste)
Emergency Overview	May irritate the skin and eyes upon prolonged or repeated contact. Ingestion may cause nausea, headache, dizziness, diarrhea and gastrointestinal irritation.
Routes of Entry	Skin. Eye contact. Ingestion.
Potential Acute Health Effects	<i>Eyes</i> Mildly irritating to the eyes. <i>Skin</i> May be irritating to the skin upon prolonged or repeated contact. <i>Inhalation</i> Vapor or mist in sufficient concentrations may interfere with respiratory functions. At elevated temperatures the mist may cause irritation and dehydration of the mucous membranes. <i>Ingestion</i> May cause digestive tract irritation with, nausea, vomiting, headache, and diarrhea.
Potential Chronic Health Effects	CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available.
Medical Conditions Aggravated by Overexposure:	Repeated or prolonged exposure is not known to aggravate medical condition.
Overexposure /Signs/Symptoms	Stinging and tearing of the eyes.
See Toxicological Information (Section 11)	

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Section 4. First Aid Measures

Eye Contact	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.
Skin Contact	In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.
Hazardous Skin Contact	Not available.
Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Hazardous Inhalation	Not available.
Ingestion	Induce vomiting, keep head below hips to prevent aspiration into the lungs. Dilute by rinsing the mouth and giving water or milk. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.
Hazardous Ingestion	Not available.
Notes to Physician	Not available.

Section 5. Fire Fighting Measures

Flammability of the Product	Not applicable.
Auto-ignition Temperature	Not available.
Flash Points	Not available.
Flammable Limits	Not available.
Products of Combustion	Carbon oxides (CO, CO ₂), acrolein.
Fire Hazards in Presence of Various Substances	Not available.
Explosion Hazards in Presence of Various Substances	Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.
Fire Fighting Media and Instructions	SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.
Protective Clothing (Fire)	Self contained breathing apparatus.
Special Remarks on Fire Hazards	No additional hazards known.
Special Remarks on Explosion Hazards	No additional remark.

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Section 6. Accidental Release Measures

Small Spill	Absorb with an inert material and put the spilled material in an appropriate waste disposal.
Large Spill	Dike around spill to keep contained. Absorb with an inert material and put the spilled material in an appropriate waste container for proper disposal.

Section 7. Handling and Storage

Handling	Keep away from incompatible substances and excessive heat.
Storage	Keep container tightly closed. Keep container in a cool, well-ventilated area.

Section 8. Exposure Controls/Personal Protection

Engineering Controls	General ventilation is normally sufficient. Eyewash stations and safety showers should be proximal to the work-station location.
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Personal Protection

Eyes Safety glasses.

Body As needed to prevent contact. No special protective clothing is required.

Respiratory Not normally required under routine working conditions.

Hands Latex gloves as needed to prevent contact.

Feet No special recommendations.

**Protective Clothing
(Pictograms)**

Personal Protection in Case of a Large Spill	Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.
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Chemical Name or Product Name	Exposure Limits
1) Glycerol	TWA: 15 (mg/m ³) from OSHA (PEL) TWA: 10 (mg/m ³) from ACGIH (TLV)
2) Water	Not available.

Consult local authorities for acceptable exposure limits.

Section 9. Physical and Chemical Properties

Physical State and Appearance	Liquid. (Paste)	Odor	Slight.
Molecular Weight	Not available.	Taste	Not applicable.
Molecular Formula	Not available.	Color	Cream to Tan (Light.)
pH (1% Soln/Water)	9.7[Basic.]		
Boiling/Condensation Point	100°C (212°F)		
Melting/Freezing Point	Not available.		
Critical Temperature	Not available.		
Specific Gravity	1.2 (Water = 1)		
Vapor Pressure	Not available.		

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Vapor Density	Not available.
Volatility	Not available.
Odor Threshold	Not available.
Evaporation Rate	Not available.
VOC	Not available.
Viscosity	Not available.
LogK _{ow}	Not available.
Ionicity (in Water)	Not available.
Dispersion Properties	Not available.
Solubility	Not available.
Physical Chemical Comments	Not available.

Section 10. Stability and Reactivity

Stability and Reactivity	The product is stable.
Conditions of Instability	Contact with incompatible substances and excessive heat.
Incompatibility with Various Substances	Strong oxidizers, strong acids, strong bases, peroxides, metal oxides, reducing agents, liquid chlorine, excessive heat.
Hazardous Decomposition Products	Carbon oxides (CO, CO ₂), acrolein.
Hazardous Polymerization	Will not occur.

Section 11. Toxicological Information

Toxicity to Animals	LD50: Not available. LC50: Not available.
Chronic Effects on Humans	None known.
Other Toxic Effects on Humans	May cause irritation of the skin upon prolonged or repeated contact.
Special Remarks on Toxicity to Animals	Not available.
Special Remarks on Chronic Effects on Humans	Not available.
Special Remarks on Other Toxic Effects on Humans	May cause mild irritation of the skin and eyes upon prolonged or repeated contact. Ingestion may cause nausea, headache, diarrhea and gastrointestinal irritation.

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Section 12. Ecological Information

Ecotoxicity	Not available.
BOD5 and COD	Not available.
Biodegradable/OECD	Not available.
Mobility	Not available.
	Not available.
Toxicity of the Products of Biodegradation	Not available.
Special Remarks on the Products of Biodegradation	Not available.

Section 13. Disposal Considerations

Waste Information	Waste must be disposed of in accordance with federal, state and local environmental control regulations.
Waste Stream	In accordance with all local, state, provincial and federal regulations.
Consult your local or regional authorities.	

Section 14. Transport Information

DOT Classification	Not a DOT controlled material (United States).	
	Not applicable.	
	Not applicable.	
	Not applicable.	
Marine Pollutant	Not available.	
Hazardous Substances Reportable Quantity	Not available.	
Special Provisions for Transport	Not applicable.	
TDG Classification	Not controlled under TDG (Canada).	
ADR/RID Classification	Not controlled under ADR (Europe).	
IMO/IMDG Classification	Not controlled under IMDG.	
ICAO/IATA Classification	Not controlled under IATA.	

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Section 15. Regulatory Information

HCS Classification	CLASS: Not available.
U.S. Federal Regulations	TSCA: No products were found. Clean water act (CWA) 307: No products were found. Clean water act (CWA) 311: No products were found. Clean air act (CAA) 112 accidental release prevention: No products were found. Clean air act (CAA) 112 regulated flammable substances: No products were found. Clean air act (CAA) 112 regulated toxic substances: No products were found.
International Regulations	
WHMIS (Canada)	Not controlled under WHMIS (Canada). No products were found.
EINECS	Not available.
DSCL (EEC)	This product is not classified according to the EU regulations.
International Lists	No products were found.
State Regulations	No products were found. California prop. 65: No products were found.

Section 16. Other Information

Label requirements	Not available.								
Hazardous Material Information System (U.S.A.)	<table border="1"> <tr> <td></td> <td>0</td> <td rowspan="3">National Fire Protection Association (U.S.A.)</td> <td rowspan="3"> </td> </tr> <tr> <td></td> <td>0</td> </tr> <tr> <td>Personal Protection</td> <td>0</td> </tr> </table>		0	National Fire Protection Association (U.S.A.)			0	Personal Protection	0
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Personal Protection	0								
References	-Manufacturer's Material Safety Data Sheet, RTECS, NLM.								
Other Special Considerations	Not available.								
Validated by A. Watson, OHST on 6-27-2002	Verified by A. Watson, OHST.								
	Printed 6-27-2002								
CALL (864)277-9300									

Notice to Reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.