

MATERIAL SAFETY DATA SHEET

03/29/07

Product Name: TWIN LUBRIKOL P/ P-10 HMIS Code: 100B  
 Manufacturer: TWIN SPECIALTIES CORP.  
 Address: 15 EAST RIDGE PIKE  
 CONSHOHOCKEN, PA 19428  
 Telephone No: (610) 834-7900  
 24 Hour Emergency Call Chem-Tel: (800) 255-3924

Hazardous Ingredients

Chemical Name	Exposure Limit	CAS No.	% by wt
CARBOXYLIC ACID, AMINE SALT	NOT ESTABLISHED	PROPRIETARY	<10
DEA-BORATE COMPLEX	NOT ESTABLISHED	26038-90-4	<10
PHOSPHATE ESTERS	NOT ESTABLISHED	PROPRIETARY	<10

Physical and Chemical Characteristics

Boiling Point: Not Established Specific Gravity: 1.041  
 Vapor Pressure: Not Established Vapor Density: >1 (Air = 1)  
 Solubility: COMPLETE pH: 9.0  
 Appearance: Hazy Amber liquid, No odor

Fire and Explosion Data

Flash Point: > 212 F Auto-ignition Temperature: No Data  
 Explosion Limits: (upper) No Data (lower) No Data

Extinguisher media:  
 CO2, dry chemical, foam, water-spray, water fog.

Special Fire Fighting Procedures:  
 Recommend wearing self-contained breathing apparatus.

Unusual Fire or Explosion Hazards:  
 None

NFPA 704 : 1 0 0

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Physical Hazards  
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Stability: Stable  
Conditions to Avoid: Strong oxidizers  
Incompatibility:  
Strong acids or oxidizers, organic peroxides

Hazardous Decomposition Products:  
Carbon dioxide, carbon monoxide, aldehydes and oxides of nitrogen.  
Hazardous Polymerization: Will not occur

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Section 7 Special Precautions and Spill or Leak Procedures  
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Precautions for Handling and Storage

Full or empty drums should be stored in a cool, dry well ventilated area.  
Keep this and all other chemical materials in closed, properly labeled  
containers.

Spill or Leak Procedures

Absorb with sand or other suitable material and shovel into an appropriate  
container. Dike large spills to avoid discharge directly into fresh water  
systems. Small spills can be picked up for recycle or reuse.

Waste Disposal Method:

In accordance with local state and federal regulations

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Section 8 Special Protection and Control Measures  
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Respiratory Protection

Not generally required when used as directed. Avoid breathing vapors from  
concentrated product.

Ventilation

Local mechanical exhaust or room ventilation is normally sufficient.  
Store concentrated product in closed containers.

Protective Gloves: Rubber

Eye Protection: Safety Glasses / Goggles

Other Protective Clothing or Equipment

Eye wash and safety shower should be present in the work area  
whenever chemicals are in use.

Special Work and Hygienic Practices

Observe good personal hygiene. Wash thoroughly after using all  
chemicals. Keep out of reach of children

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Prepared By: Sean G. Nichols  
Title R & D Manager  
Date March 29 2007

Signature

Sean G Nichols

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Health Hazards  
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**Skin Contact:**

May cause irritation of the skin. Repeated or prolonged contact may cause drying and defatting of skin.

**Eye Contact:**

Causes irritation and redness of the eyes. May cause more serious injury if not treated immediately.

**Inhalation:**

Inhalation is unlikely due to low vapor pressure. Inhalation of mists may cause respiratory irritation.

**Ingestion:**

Ingestion of concentrated product can cause digestive tract irritation and nausea. See other effects below for long term overexposure.

**Other Chronic Effects**

None

**Carcinogenicity:** This product does not contain any materials known or suspected to be a carcinogen by NTP, IARC, or OSHA.

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First Aid Procedures  
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**Skin Contact:**

Wash with soap and cool water. Wash contaminated clothing thoroughly before re-use.

**Eye Contact:**

Flush eyes with clean water for 15 minutes. Seek medical attention if irritation persists.

**Inhalation:**

Move victim from exposure to fresh air. Seek medical attention if symptoms persist.

**Ingestion:**

Do not induce vomiting unless directed by a physician. Dilute with several glasses of water or milk. Never give anything to drink to an unconscious person. Seek medical attention.