



Safety Data Sheet

Section 1: IDENTIFICATION

Product Identifier: Industrial TOP Emulsion (Tall Oil Pitch emulsion)

Other Identifiers: Industrial TOP Emulsion.

Manufacturer/Supplier Identifier:
GIP Paving Inc.
100 Commerce Valley Drive W,
Markham, Ontario L3T 0A1

Information Telephone Number:
(416) 633-9670 Monday – Friday 8AM-5PM
Emergency Telephone Number:
CANUTEC (613) 996-6666, 24HRS

Recommended Use: Tall oil Pitch emulsion is a water based suspension of tall oil pitch and is used as a binder in industrial and construction applications, as well as a dust suppressant.





Restrictions on Use: None Known

Section 2: HAZARD IDENTIFICATION

Classified according to Canada’s Hazardous Products Regulations (WHMIS 2015).

Classification:
Acute toxicity (Inhalation) Category 4
Skin Irritation Category 3
Eye Irritation Category 2B
Carcinogenicity Not classified

Label Elements:

	WARNING	 Eye Protection  Gloves  Apron
	<p>Hot product can cause burns.</p> <p>Harmful if swallowed Harmful in contact with skin Harmful if inhaled Causes mild skin irritation Causes eye irritation</p> <p>Use proper engineering controls, work practices, and personal protective equipment.</p> <p>Read SDS for details.</p>	

Other Hazards: Tall Oil Pitch emulsion is a beige to dark brown colored liquid that has a bland odor. Hot product will cause severe thermal burns. If burned by hot product, cool affected area immediately with flowing cool water. Seek medical attention. Skin contact on repeated or prolonged basis can cause drying of the skin which may result in irritation or dermatitis.

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS



Component	Percent (By Weight)	CAS Number
Tall Oil Pitch	40-70	8016-81-7
Water	30-60	7732-18-5
Active Surfactant	0-5	Proprietary

Section 4: FIRST AID MEASURES

Potential Health Effects: Risk of injury depends on duration and level of exposure.

First Aid Measures:

- Eye Contact** For contact with product, flush with large amounts of cool flowing water for at least 15 minutes, including under lids. Seek immediate medical attention.
- Skin Contact** Flush contaminated skin with plenty of water. Remove contaminated clothes and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Inhalation** Move person to fresh air. Seek medical attention.
- Ingestion** Do not induce vomiting unless medical personnel provide instructions to do so. Never provide anything by mouth to an unconscious person. Seek medical attention or contact poison control center immediately.

Most Important Symptoms and Effects, Acute and Delayed:

- Eye Contact** Hot product will cause severe thermal burns. Eye contact with tall oil pitch emulsion and tall oil pitch emulsion fumes can cause moderate eye irritation, redness, chemical burns and itching. Eye exposures require immediate first aid to prevent damage to the eye.
- Skin Contact** Direct contact with hot tall oil pitch emulsion will cause severe thermal burns. Repeated or prolonged contact to tall oil pitch emulsion may cause dry skin, discomfort, irritation, chemical burns and dermatitis.
- Inhalation** Exposure to fumes or vapors may cause irritation of the nose and throat, and symptoms such as headache, dizziness, loss of coordination, and drowsiness.
- Ingestion** Do not ingest emulsion. Hot product will cause thermal burns. Ingestion may result in poisoning, nausea, vomiting, diarrhea and restlessness. Seek immediate medical attention.

Immediate Medical Attention and Special Treatment: No specific treatment.

Section 5: FIREFIGHTING MEASURES

Extinguishing Media:



Suitable Extinguishing Media Small Fire- Carbon Dioxide, dry chemical powder, appropriate foam, water spray or fog, non-combustible material such as dry sand or earth.
Large Fire –Fire Fighting foam suitable for the situation.

Unsuitable Extinguishing Media None known.

Combustion Products: Toxic gases are produced in fire, such as smoke, fume, CO, CO₂.
Specific Hazards: Fire may release toxic combustion products such as smoke, fume, CO, CO₂. If tank, rail car or tanker truck is involved in fire, isolate for 800 meters (1/2 mile) in all directions; also consider initial evacuation for 800 meters (1/2 mile) in all directions. Shut off fuel to fire if possible to do so without hazard. Avoid flushing spilled product into sewers, streams or other bodies of water.

Special Protective Equipment and Precautions for Fire-Fighters: A SCBA is recommended to limit exposures to combustion products when fighting fires.

Section 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures: Take proper precautions to ensure your own health and safety before attempting spill control or clean-up. Remove all potential ignition sources. Isolate the area of the spill and restrict access. For small spills, soak up released emulsion with inert absorbent material, remove with shovels and place spilled material into a container. Contain large spills with inert materials. Avoid using combustive absorbers such as sawdust. Transfer liquids and solid material to suitable containers for recovery or disposal. Do not allow spills and cleaning runoff to enter drains, sewers, groundwater, drainage ditches or surface waters. Wear appropriate protective equipment as described in Section 8.

Containment and Clean up: Methods for containment can be to stop or reduce leak if safe to do so. Ventilate area to prevent the gas from accumulating, especially in confined spaces

Methods for cleanup/disposal of emulsion should be according Federal, State, Provincial and Local regulations. Protect bodies of water by diking to prevent run off, absorbents or absorbent boom that does not react with spilled product. Place used absorbent into suitable, covered, labeled containers for disposal. Remove or recover liquid using pumps or vacuum equipment.

Inform relevant authorities if the product has caused environmental pollution. Contact emergency services and manufacturer/supplier for advice.

Section 7: HANDLING AND STORAGE

Precautions for Safe Handling: Handle with care and use appropriate control measures. Use appropriate grounding and bonding practices. Store in properly closed containers that are appropriately labeled and in a cool well-ventilated area.

Avoid contact with skin, eyes and clothing. Use additional precautions when handling hot material. Maintain employee exposure levels below established regulatory limits. Do not allow hot product to contact skin. Ensure adequate ventilation. Use all



SDS: Industrial TOP Emulsion

appropriate engineering controls and Personal Protective Equipment (PPE) described in Section 8 below.

Conditions for Safe Storage:

Store away from all ignition sources and open flames. Avoid freezing. This product is a mixture of water and tall oil pitch. Do not store above 190°F or below 40°F. Heating product above 190°F may cause water portion to boil which may result in an overflow of hot product from storage container.

Store in dry, cool and well ventilated conditions. Keep away from food and drink. Consult appropriate Federal, State, and Provincial and Local authorities before reusing, recycling or disposing of empty containers or waste residues of this product.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters:

Component	ACGIH TLV® TWA (mg/m³)	ACGIH TLV® STEL (mg/m3)	OSHA PEL TWA (mg/m³)
Tall Oil Pitch			
Water			
Active Surfactant			

Appropriate Engineering Controls:

Use local exhaust or general dilution ventilation to maintain levels below exposure limits. Ensure that an emergency eye wash station and safety shower is located near the work area.

Individual Protection Measures:

Respiratory Protection

Under ordinary conditions no respiratory protection is required. Wear a NIOSH approved respirator that is properly fitted and is in good condition when exposed to vapors above exposure limits.

Eye Protection

Wear CSA/ANSI approved safety goggles when handling emulsion to prevent contact with eyes. A face shield may also be required to prevent contact with eyes and face.

Skin Protection

Wear chemical resistant gloves (e.g. neoprene or butyl rubber) to prevent skin contact and thermally insulated gloves when handling hot product. Do not rely on barrier creams, in place of impervious gloves. Additional protection may be necessary to prevent skin contact including use of apron, arm covers, face shield or boots. Remove and launder clothing that is soiled with emulsion. Thoroughly wash hands and other exposed skin after exposure to emulsion.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Liquid, beige to dark brown	Flammability (solid/gas):	Not applicable
Odour:	Bland odour	Upper/Lower Flammability or Explosive Limits:	Not applicable
Odour Threshold:	N/A	Vapour Pressure:	< 1 mm Hg @ 20°C
pH:	6-8 in water (approx.)	Vapour Density (air = 1):	Not applicable



Melting Point:	N/A	Relative Density (Water=1):	SDS: Industrial TOP Emulsion 1.01
Freezing Point:	0°C (water phase).	Solubility:	Dispersible with water.
Initial Boiling Point:	100°C (water phase)	Partition Coefficient: n-octonal/water (Log Kow):	Not applicable
Boiling Point Range:	Not determined	Auto-ignition Temperature	Not applicable
Flash Point:	>246°C	Decomposition Temperature:	Not applicable
Evaporation Rate:	Not applicable	Viscosity:	10-300 SFS (Saybolt Furol Seconds)

Section 10: STABILITY AND REACTIVITY

Reactivity:	Non-reactive under normal conditions of use
Chemical Stability:	Stable under recommended storage conditions.
Possibility of Hazardous Reactions:	None.
Conditions to Avoid:	High temperatures, sources of heat, ignition, or open flame.
Stability:	Stable. Avoid contact with incompatible materials, excessive heat, sources of ignition and open flame.
Incompatible Materials:	Acids, bases, oxidizing agents such as nitrates, chlorates, peroxides.
Incompatibility:	Emulsion is incompatible with oxidizing materials.
Hazardous Decomposition Products:	When heated may liberate carbon monoxide, carbon dioxide, smoke, vapours, fumes.

Section 11: TOXICOLOGICAL INFORMATION

Likely Routes of Exposure

Inhalation, ingestion, skin contact, eye contact.

Acute Toxicity

Component	CAS Number	LD ₅₀ (rat, oral)	LC ₅₀ (rat, inhalation)	LD ₅₀ (rabbit, dermal)
Tall Oil Pitch	8016-81-7	>2000 mg/kg		>2000 mg/kg
Water				
Active Surfactant				

Skin Corrosion/Irritation

Irritating to skin. Signs and symptoms may include redness, itching, swelling, pain. Prolonged or repeated contact may cause severe burns. Contact with hot product will cause thermal burns



Serious Eye Damage/Irritation

Irritating to eyes. Signs and symptoms may include redness, itching, swelling, pain, blurred vision, tears, blindness. Contact with hot liquid may cause severe burns. Vapors may cause redness, itching, swelling, pain, blurred vision, tears or blindness. Signs and symptoms may include redness, itching, swelling, pain, light sensitivity, appearance of 'halos' around lights, and loss of consciousness.

STOT (Specific Target Organ Toxicity) – Effects from Short Term Exposure

Single Exposure

Throat and nose irritation. Fume inhalation may cause headache, nausea, nervousness, eye irritation, respiratory tract irritation.

Ingestion

Not a relevant route of exposure (gas). May cause burns to mouth, tongue, lips, throat, nasal passage, stomach. May result in headache, vomiting, nausea, shortness of breath, irregular heartbeat, dizziness, confusion, fatigue.

Aspiration Hazard

Not known to be aspiration hazard.

STOT (Specific Organ Toxicity) – Repeated Effects From Long-Term Exposure

Not available.

Respiratory and/or Skin Sensitization

Skin irritation symptoms may include itchiness, redness, swelling, and irritation of the respiratory system.

Carcinogenicity

Not available.

Reproductive Toxicity

Development of Offspring

Not available.

Sexual Function and Fertility

Not available. None known.

Effects on or via Lactation

None known.

Germ Cell Mutagenicity

Not available.

Interactive Effects

Not available.

Section 12: ECOLOGICAL INFORMATION

Keep out of drainage areas, sewers, streams, rivers, ponds, lakes, and other bodies of water. Report spills under required Federal, Provincial, State, and Local regulations.

Ecotoxicity:

Marine pollutant.

Persistence and Degradability

Not expected to be readily degradable.



Bioaccumulative Potential

Not known to bioaccumulate.

Mobility in Soil

Studies are not available.

Other Adverse Effects

Studies are not available.

Section 13: DISPOSAL CONSIDERATIONS

Disposal Methods: Contact local environmental authorities for approved disposal or recycling methods in your jurisdiction. Recycle and reuse product, if possible. The required hazard evaluation of the waste and compliance with the applicable hazardous waste laws are the responsibility of the user. Dispose of or empty recycle containers through an approved waste management facility.

Section 14: TRANSPORT INFORMATION

TDG (Canada)

This product is not regulated under Canadian TDG regulations.

Transport in Bulk According to Annex II of Marpol 73/78 and the IBC Code

Not applicable.

Section 15: REGULATORY INFORMATION

Safety, Health and Environmental Regulations

Canada – Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)

All ingredients listed on DSL/NDSL. Components of this product are in compliance with the chemical notification requirements of the NSN Regulation under CEPA, 1999.

USA – Toxic Substances Control Act (TSCA) Section 8(b)

Components are in compliance with the chemical notification requirements of TSCA.

Section 16: OTHER INFORMATION

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