



Material Safety Data Sheet



WHMIS	Protective Clothing	TDG Road/Rail
Not controlled under WHMIS (Canada). 		

Section I. Product Identification and Uses

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Common/Trade name	Priolene 6904	CI#	Not applicable.
Synonyms	Saturated and unsaturated straight chain aliphatic monocarboxylic acids, mainly oleic acid.	DSL#	CEPA DSL: Priolene 6904
Chemical name	Oleic Acid.	CAS#	112-80-1
Chemical formula	C ₁₈ H ₃₄ O ₂	Code	UNA6904, UNA6904A, UNA6904BULK
Chemical family	Monocarboxylic Acid.	Warehouse Class.	IIIB
Supplier	L.V. Lomas Limited 99 Summerlea Road Brampton, Ontario L6T 4V2 CANADA	Manufacturer	Unichema North America 4650 South Racine Avenue Chicago, Illinois U.S.A. 60609 (773) 376-9000
Material uses	Not available.		

Section IA. First Aid Measures

Eye contact	Wash well with water without delay and obtain medical attention if any sensations persist.
Skin contact	Wash with plenty of water and soap. If irritation develops or persists, seek medical attention.
Hazardous skin contact	No additional information.
Slight inhalation	Remove to fresh air. Get medical attention if irritation or other symptoms occur.
Hazardous inhalation	No additional information.
Slight ingestion	Remove material from mouth. Drink plenty of water. If large amounts swallowed or symptoms develop obtain medical attention. DO NOT induce vomiting unless directed by medical personnel.
Hazardous ingestion	No additional information.



Section II. * Hazardous Ingredients

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Name	CAS #	Exposure Limits			% by Weight
		TWA (ppm)	STEL (ppm)	CEIL (ppm)	
Oleic acid	112-80-1				<100.0

Toxicity values

Oleic acid:

ORAL (LD50): Acute: >2000 mg/kg [Rat].

DERMAL (LD50): Acute: Not available.

VAPOUR (LC50): Acute: Not available.

Section III. Physical Data

Physical state and appearance	Liquid.	Odor	Faint.
pH (1% soln/water)	Not applicable.	Taste	Not available.
Odor threshold	Not available.	Color	Yellow.
Volatility	Not volatile - Ambient.		
Melting point	Solidification Point: <5°C (41°F)		
Boiling point	220°C (428°F) (10 hPa)		
Specific gravity	Density: 900 kg/m ³ (Water = 1)		
Vapor density	Not available.		
Vapor pressure	<0.1 hPa (@ 20°C)		
Water/oil dist. coeff.	>3 (estimated)		
Ionicity (surface active agent)	Not available.		
Critical temperature	Not available.		
Instability temperature	Not available.		
Conditions of instability	No additional remark.		
Dispersion properties	Not available.		
Solubility	Insoluble in water. Soluble in many organic solvents.		



Section IV. Fire and Explosion Data

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The product is:	May be combustible at high temperature.
Auto-ignition temperature	350°C (662°F)
Fire degradation products	Not available.
Flash points	OPEN CUP: 180°C (356°F). (Cleveland.).
Flammable limits	Not available.
Fire extinguishing procedures	Extinguishing Media: Dry chemical, water spray, carbon dioxide, foam. Fire Fighting Equipment: Self-contained breathing apparatus (NIOSH/MSHA or equivalent) and full protective clothing.
Flammability	No specific information is available in our database regarding the flammability of this product in presence of various materials. Remark Keep away from excessive heat or open flame.
Risks of explosion	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. No specific information is available in our database regarding the product's risks of explosion in the presence of various materials. Remark Keep away from excessive heat or open flame.

Section V. Reactivity Data

Stability	Stable under normal conditions. Hazardous polymerization will not occur.
Hazardous decomp. products	None.
Degradability	Readily biodegradable (according to modified Sturm test).
Products of degradation	LC ₅₀ : >100 mg/l (Fish - 48 hours). EC ₅₀ : >100 mg/l (Pseudomonas putida - 16 hours). Remark No additional remark.
Corrosivity	No specific information is available in our database regarding the corrosivity of this product in presence of various materials. Remark No additional remark.
Reactivity	Materials to avoid: Avoid contact with oxidizing agents. Remark Conditions to avoid: Keep away from excessive heat or open flame.



Section VI. Toxicological Properties

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Routes of entry	Eye contact. Skin contact. Inhalation. Ingestion.
TWA	Not available.
Toxicity to animals	See section II Toxicity values of hazardous ingredients. Remark Skin and eye irritation (rabbit): Non irritant.
Chronic effects on humans	CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. Remark No additional remark.
Acute effects on humans	EYE CONTACT: Can cause irritation. SKIN CONTACT: Unlikely to be irritant. INHALATION: Not applicable at ambient temperature. Vapour can cause irritation. INGESTION: Unlikely to be harmful unless excessive amount swallowed. Remark No additional remark.

Section VII. Preventive Measures

Waste disposal	Re-use/recycling of waste is highly recommended. Observe local regulations. Dispose of all waste and empty containers in accordance with all applicable federal, provincial, and local regulations.
Storage	Store in the original closed containers. Smouldering can occur upon leakage onto fibrous insulation material. Avoid elevated temperatures. Store away from oxidizing agents. Keep away from excessive heat or open flame.
Precautions	Normal precautions should be observed as for handling all chemicals. Wear chemical safety goggles, protective gloves and clothing. Avoid breathing vapours. Wear a NIOSH/MSHA approved respirator if required. Determine the appropriate type equipment for specific application by consulting the respirator manufacturer. Good industrial hygiene should be followed. Ensure adequate ventilation or local exhaust if formation of vapour occurs. Store in the original closed containers. Avoid elevated temperatures. Store away from oxidizing agents. Keep away from excessive heat or open flame.
Small spill and leak	Absorb spillage onto inert material (e.g. sand) and collect into suitably labelled containers for disposal at an approved site. Residues and small spillages may be washed away with water and detergent. Minimize contamination of drains, surface and ground waters.
Large spill and leak	No additional remark.
Protective clothing in case of large spill	Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.



Section VIII. Classification

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TDG road / rail Not controlled under TDG (Canada).



TDG/Containers > 454 Litres: Not applicable.

Remark

TDG/Containers < 454 Litres: Not applicable.

WHMIS Not controlled under WHMIS (Canada).

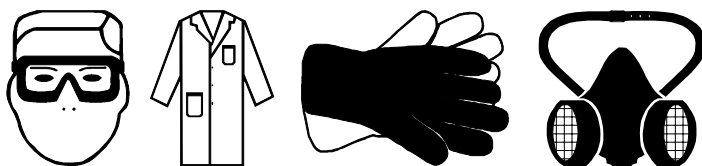


Remark

Not applicable.

Section IX. Protective Clothing

Wear chemical safety goggles, protective gloves and clothing. Wear a NIOSH/MSHA approved respirator if required. Determine the appropriate type equipment for specific application by consulting the respirator manufacturer. An eyewash and safety shower should be readily available.



Section X. Other Information

- References**
- Manufacturer's Material Safety Data Sheet.
 - Sax's Dangerous Properties of Industrial Materials, 9th edition, CDROM Version 1.0

This product on this MSDS, or all its components, are included on the following countries' chemical inventories, as noted: TSCA (USA), DSL (Canada), EINECS (European Community), AICS (Australia), ENCS (Japan), ECL (Korea), PICCS (Philippines), NEPA (China).

Validated by Sandra Pullara on 02/10/2000.
Information Phone: 1-800-665-6627

Verified by Aleksandra Piaskowska.

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EMERGENCY PHONE: LOCAL POLICE AND PHILIP ENVIRONMENTAL 1-800-567-7455 (CANADA)

While the company believes the data set forth herein are accurate as of the date hereof, the company makes no warranty with respect thereto and expressly disclaims all liability for reliance thereon. Such data are offered solely for your consideration, investigation and verification.

Section XI. Summary

TDG/Containers < 454
Litres: Not
applicable.

TDG/Con:
> 454
Litres:
Not
applicational

PRECAUTIONS: Wear chemical safety goggles, protective gloves and clothing. Wear a NIOSH/MSHA approved respirator if required. Store in the original closed containers. Avoid elevated temperatures. Store away from oxidizing agents. Keep away from heat or open flame.

FIRST AID:

SKIN: Wash with plenty of water and soap. If irritation develops or persists, seek medical attention.

EYES: Wash well with water without delay and obtain medical attention if any sensations persist.

INHALATION: Remove to fresh air. Get medical attention if irritation or other symptoms occur.

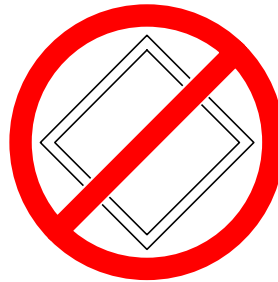
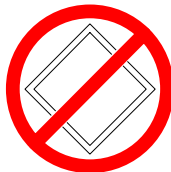
INGESTION: Remove material from mouth. Drink plenty of water. If large amounts swallowed or symptoms develop obtain medical attention. DO NOT induce vomiting unless directed by medical personnel.

IN CASE OF A LARGE SPILL: Absorb spillage onto inert material (e.g. sand) and collect into suitably labelled containers for disposal at an approved site. Residues and small spillages may be washed away with water and detergent. Minimize contamination of drains, surface and ground waters.

Health Hazard	<input type="checkbox"/>
Fire Hazard	<input type="checkbox"/>
Reactivity	<input type="checkbox"/>
Personal Protection	<input type="checkbox"/>

TDG PRIMARY CLASS:

TDG/Containers less than 454 Litres



BATCH NO.:

NET WT.: