

# MATERIAL SAFETY DATA SHEET

## PETROLATUM

Date Revised: January 9, 2003

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### 1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION

TRADE NAME: PETROLATUM  
CHEMICAL NAME: PETROLATUM

Company:



NATROCHEM, INC.  
P.O. Box 1205  
Savannah, GA 31402-1205

HMIS RATING	
HEALTH	0
FLAMMABILITY	1
REACTIVITY	0

Telephone Numbers:

Transportation Emergencies:

CHEMTREC (U.S.A.): (800) 424-9300 (24 hours)

CHEMTREC (International): (202) 483-7616 (24 hours, call collect)

Product Information: (912) 236-4464 (EST, 8:00AM – 4:00PM M-F)

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT NAME	CAS#	PERCENT
Petrolatum USP	8009-03-08	100

Note(s): Petrolatum or petroleum jelly is a microcrystalline wax with a defined oil content. Microcrystalline waxes consist mainly of iso- and cyclo-paraffins with some alkylated aromatic hydrocarbons. This is not a dangerous substance.

### 3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

This product is a technical grade petrolatum. It is not expected to present any unusual hazards, in proper use.

This product is often handled hot. Care should be taken to prevent thermal burns.

POTENTIAL HEALTH EFFECTS:

PRIMARY ROUTE OF EXPOSURE: Skin

INGESTION: Do not ingest. This product is practically non-toxic by ingestion. This product has laxative properties and may result in abdominal cramps and diarrhea

INHALATION: This product has a low vapor pressure and is not expected to present an inhalation hazard at ambient conditions. Caution should be taken to prevent aerosolization or misting of this product

SKIN CONTACT: This product is minimally irritating to the skin upon direct contact. Based on testing of similar products and/or components.

EYE CONTACT: This product is minimally irritating to the eyes upon direct contact. Based on testing of similar products and/or components.

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**3. HAZARDS IDENTIFICATION**

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**OTHER:** Exposure to a large single dose, or repeated smaller doses of petrolatum by inhalation, aspiration or ingestion can lead to lipid pneumonia or lipid granuloma of the lung. These are low-grade, chronic, localized tissue reactions. Shortness of breath and cough are the most common symptoms.

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**4. FIRST AID MEASURES**

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**INHALATION:** This material has a low vapor pressure and is not expected to present an inhalation exposure at ambient conditions. If vapor or mist is generated when the material is heated or handled, remove victim from exposure.

**EYE CONTACT:** Immediately flush eyes with large amounts of water and continue flushing until irritation subsides. If material is hot, treat for thermal burns and take to hospital immediately.

**SKIN CONTACT:** Remove contaminated clothing. Wash contaminated area thoroughly with soap and water. If material is hot, submerge injured area in cold water. If severely burned, remove to a hospital immediately.

**INGESTION:** DO NOT induce vomiting due to aspiration hazard. If vomiting should occur, lower head below knees to avoid aspiration. Seek medical attention.

**NOTES TO PHYSICIAN:** Treat symptomatically.

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**5. FIRE FIGHTING MEASURES**

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**FLASH POINT:** > 204°C (COC)

**EXTINGUISHING MEDIA:** Use dry chemical, foam, or carbon dioxide.

**SPECIAL FIREFIGHTING PROCEDURES:** Water may be ineffective but can be used to cool containers exposed to heat or flame. Caution should be exercised when using water or foam as frothing may occur, especially if sprayed into containers of hot, burning liquid.

**UNUSUAL FIRE AND EXPLOSION CONDITIONS:** Dense smoke may be generated while burning. Oxides of carbon and other oxides may be generated as products of combustion.

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**6. ACCIDENTAL RELEASE MEASURES**

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**ACTION TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:** Contain spill immediately. Do not allow spill to enter sewers or watercourses. Absorb with appropriate inert material such as sand, clay, etc. Large spills may be picked up using vacuum pumps, shovels, buckets, or other means and placed in drums or other suitable containers.

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**7. HANDLING AND STORAGE**

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**PRECAUTIONS TO BE TAKEN DURING HANDLING AND STORAGE:**

Avoid breathing vapors or mist. Avoid contact with eyes. Avoid prolonged or repeated contact with the skin. Wash thoroughly after handling. Wash clothing before reuse. May be slippery when wet.

**STORAGE:** Do not transfer to unmarked containers. Store in closed containers away from heat, sparks, open flame, or oxidizing agents.

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**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

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**Exposure Limits and Guidelines:**

This product does not contain any components with specific OSHA or ACGIH exposure limits. If oil mist is generated, exposure limits apply.

Oil Mist OSHA PEL: TWA 5 mg/m<sup>3</sup>

**RESPIRATORY PROTECTION:** Respiratory protection is not required under conditions of normal use. If vapor or mist is generated when the material is heated or handled, use an organic vapor respirator with a dust and mist filter. All respirators must be NIOSH certified.

**VENTILATION:** General or local exhaust sufficient to maintain employee exposure below permissible exposure limits.

**EYE AND FACE PROTECTION:** Eye protection is not required under conditions of normal use. If material is handled such that it could be splashed into eyes, wear plastic face shield or splash proof safety goggles.

**PROTECTIVE GLOVES:** Cloth. Leather. Rubber

**OTHER PROTECTIVE EQUIPMENT:** Boots, apron, or chemical suits should be used when necessary to prevent skin contact. Personal protective clothing and use of equipment must be in accordance with 29 CFR 1910.132 (general requirements), .133 (eye and face protection), and .138 (hand protection).

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

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**BOILING POINT:** N/DA  
**SPECIFIC GRAVITY (Water = 1):** 0.85  
**SOLUBILITY (wt.% in water):** Insoluble  
**VAPOR PRESSURE:** N/DA  
**VAPOR DENSITY:** N/DA  
**APPEARANCE:** Yellow semi-solid

**VAPOR DENSITY (Air = 1):** N/DA  
**MELTING POINT:** 122-135°F  
**% VOLATILE:** N/DA  
**EVAPORATION RATE:** N/DA  
**ODOR:** N/DA

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**10. STABILITY AND REACTIVITY**

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**STABILITY:** Stable

**HAZARDOUS POLYMERIZATION:** Will not occur.

**INCOMPATIBILITY (MATERIALS TO AVOID):** May react with strong oxidizing agents.

**HAZARDOUS THERMAL DECOMPOSITION/COMBUSTION PRODUCTS:** Oxides of carbon and other oxides may be generated as products of combustion.

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**11. TOXICOLOGICAL INFORMATION**

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**CARCINOGENICITY:** This product is NOT listed as a carcinogen or suspected carcinogen by NTP, IARC, or OSHA.

**MEDICAL CONDITIONS AGGRAVATED:** None known.

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**12. ECOLOGICAL INFORMATION**

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**ECOTOXICOLOGICAL INFORMATION:**

No information available.

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**13. DISPOSAL CONSIDERATIONS**

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**REGULATORY INFORMATION:**

All disposals must comply with federal, state, and local regulations. The material, if spilled or discarded, may be a regulated waste. Refer to state and local regulations. Caution! If regulated solvents are used to clean up spilled material, the resulting waste mixture may be regulated. Department of Transportation (DOT) regulations may apply for transporting this material when spilled.

**WASTE DISPOSAL METHODS:**

Waste from this product may be disposed of in a sanitary landfill if state and local regulations permit. Care should be taken to avoid creation of dust during disposal operations.

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**14. TRANSPORT INFORMATION**

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**USA DOT DESCRIPTION:**

Proper Shipping Name: Not regulated

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**15. REGULATORY INFORMATION**

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USA TSCA: Listed

EUROPE EINECS: Listed

CANADA DSL: Listed

AUSTRALIA AICS: Listed

KOREA KCL: Listed

JAPAN MITI (ENCS): Listed

PHILIPPINES PICCS: Listed

**SARA TITLE III:**

SARA (311,312) Hazard Class: Not regulated

SARA (313) Chemicals: Not listed.

SARA Section 302: Not listed as an Extremely Hazardous Substance.

CANADIAN WHMIS CLASSIFICATION: Not a controlled product under WHMIS

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**16. OTHER INFORMATION**

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Revision Note: Updated Section II and Section XI

Prepared by: James L. Pye, Jr.

Title: Safety Coordinator

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N/A = Not applicable N/D = Not determined N/DA = No Data Available N/E = Not established

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