

# MATERIAL SAFETY DATA SHEET

U.S. Department of Labor  
Occupational Safety and Health Administration

Manufacturer's Name:  
**Protameen Chemicals, Inc.**  
375 Minnisink Road  
Totowa, NJ 07511

Emergency Telephone No.: 973-256-4374

## SECTION I – PRODUCT AND COMPANY INFORMATION

Product:	Protachem IPM
Chemical Name:	Isopropyl Myristate
CAS Number:	110-27-0
Date Issued:	November 7, 1997
Date Revised:	August 26, 2004

## SECTION II – COMPOSITION, INFORMATION ON INGREDIENTS

Ingredients	CAS Number	Percent	OSHA/PEL
Isopropyl Myristate	110-27-0	100	Not listed

## SECTION III – HAZARD IDENTIFICATION

**General:** Limited toxicity data are available on this specific product, this health hazard assessment is based on the results of screening tests.

**Emergency Overview:** Appearance: Colorless liquid, faint odor  
**MAY BE HARMFUL IF SWALLOWED**

**Routs of exposure:** Eye Contact, Skin Contact, Inhalation

**Symptoms of Overexposure (Acute & Chronic)**

**Eye Contact:** No irritation is likely to develop following contact with human eyes.

**Skin Contact:** No irritation is likely to develop following contact with human skin.  
This product will probably not be absorbed through the skin.

**Inhalation:** No irritation is expected to be associated with inhalation of this material.  
No toxic effects are known to be associated with inhalation of this material.

**Ingestion:** This material is not likely to cause irritation upon ingestion.  
This material may be harmful if swallowed.

## SECTION IV – FIRST AID MEASURES

**Eyes:** Immediately flush with plenty of water for at least 15 minutes. If redness, itching or burning sensation develops, have eyes examined and treated by medical personnel.

**Skin:** Wash material off of the skin with plenty od soap and water. If redness, itching or a burning sensation develops, get medical attention.

**Ingestion:** **DO NOT INDUCE VOMITING.** Give one or two glasses of water to drink and refer to medical personnel or take directions from either a physician or a poison control center. **Never give anything by mouth to an unconscious person.**

**Inhalation:** Remove victom to fresh air. If a caught or other respiratory symptoms develop, consult medical personnel.

## SECTION V – FIRE FIGHTING MEASURES

Flash Point and method:	302 deg. F, 150 deg. C (COC)
Autoignition Temperatuer:	No data
Flammable Limits (LEL / UEL):	No data

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**Extinguishing Media:**

Water fog, Alcohol Foam, Carbon Dioxide or Dry Chemicals, Halogenated agents.

**Special fire fighting Instructions:**

Wear self-contained breathing apparatus equipped with a full facepiece and operated in a pressure-demand, or other positive pressure, mode and approved protective clothing. Personnel without suitable respiratory protection must leave the area to prevent exposure to hazardous combustion gasses.

**Unusual fire or explosion hazards:**

None Known

**Explosion Data:**

Sensitivity to mechanical impact: Not Applicable

Sensitivity to static discharge: Not Applicable

**SECTION VI – ACCIDENTAL RELEASE MEASURES**

Refer to section VIII for proper personal protection equipment

**Steps to be taken in case material is released or spilled:**

Contain material by diking the area around the spill. Soak up using a suitable absorbant material, then shovel to recovery drums.

Wash residue from spill area with detergent and water and flush to a sewer serviced by a permitted wastewater treatment facility

**Waste disposal:**

Consult local, state, and federal regulations before disposing of this material.

**SECTION VII – HANDLING AND STORAGE****Storage requirements:**

Store at temperatures between 50 – 90 °F, in original closed container. Do not store in direct sunlight and protect from freezing. Do not reuse empty containers.

**Precautions to take during handling and storage:**

Do not swallow.

Normal chemical storage and handling.

**SECTION VIII- EXPOSURE CONTROLS / PERSONAL PROTECTION****Exposure limits:**

No ACGIH TLV or OSHA PEL assigned. Minimize exposure in accordance with good hygiene practices.

**Engineering Controls:**

Always provide effective general ventilation to maintain safe exposure levels.

**RESPIRATORY PROTECTION:**

NOT REQUIRED.

**PROTECTIVE GLOVES:**

CHEMICAL RESISTANT RUBBER GLOVES.

**EYE PROTECTION:**

CHEMICAL GOGGLES WITH SIDE SCHIELDS.

**OTHER EQUIPMENT:**

EYE WASH AND SAFETY SHOWER IN THE WORK AREA.

**WORK/HYGIENIC PRACTICES:**

AVOID CONTACT WITH EYES, SKIN, AND CLOTHING. WASH THOROUGHLY AFTER HANDLING.

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Appearance:	Colorless liquid
Odor:	Faint, typical
Solubility in water:	Insoluble
PH Value:	No data
Boiling Point:	338 deg. F, 170 deg. C (10 hPa)
Vapor pressure:	< 1 mm Hg hPa at 20 deg. C
Vapor Density (air=1):	No data
Melting Point:	No data
Specific Gravity at 20 deg. C:	0.846 – 0.854
% volatile by volume:	No data
Partition Coefficient:	> 3 (estimated)
Viscosity:	5.5 mPa.s at 20 deg. C
Freezing point:	No data

**SECTION X – STABILITY AND REACTIVITY**

Stability:	Stable under normal conditions
Incompatibility with other materials:	Oxidizing agents
Hazardous decomposition products:	None known
Conditions to avoid:	None known
Combustion products:	Carbon dioxide, Carbon monoxide
Hazardous Polymerization:	Will not occur

**SECTION XI – TOXICOLOGY INFORMATION**

The toxicity data listed below are based on the results of screening tests on this specific product.

**Eye irritation:** This material is nonirritating in rabbit eye irritation studies. No irritation is likely to occur after contact with human eyes.

**Skin Irritation:** This material is nonirritating in rabbit dermal irritation studies. No irritation is likely to develop following contact with human skin. This material was not a skin sensitizer in animal testing. The potential is low for developing sensitization following contact with human skin.

**Acute oral toxicity:** This material is classified as "slightly toxic" by ingestion.

**Carcinogenicity:** This material is not listed as a carcinogen by OSHA, IARC and NTP.

**Reproductive toxicity / Teratogenicity:** No available information

**Mutagenicity:** No available information.

**Toxicologically synergistic products:** None known

**SECTION XII – ECOLOGICAL INFORMATION**

The ecological information listed below is based on the results of screening tests.

**Persistence and degradation:** This product is readily biodegradable (according to the "Sealed Vessel Test")

**Toxicity:** Not harmful to aquatic organisms.

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Disposal Method: Discarded product is not a hazardous waste under RCRA, 40 CFR 261.

Container disposal: Empty containers retain product residue. Observe all hazard precautions. Do not distribute, make available, furnish or reuse empty containers except for storage and shipment of original product. Remove all product residue from container and puncture or otherwise destroy empty containers before disposal.

**SECTION XIV – TRANSPORTATION INFORMATION**

Department of Transportation (DOT): Not regulated

Transportation of Dangerous Goods (TDG): Not regulated

**SECTION XV – REGULATORY INFORMATION**

TCSA (Toxic Substances Control Act) Regulations, 40 CFR 710:

All ingredients are on the TSCA Chemical Substance Inventory

DSL (Canadian Domestic Substance List):

All ingredients are listed on the Canadian DSL

OSHA Hazard Communication Standard, 29 CFR 1910.1200, Hazard Summary:

Physical Data: None

Health Hazards: None

WHMIS Classification:

Noncontrolled (Nonhazardous)

CERCLA and SARA Regulations (40 CFR 355, 370, and 372):

This material contains the following chemicals subject to the reporting requirements of SARA 313:

\*\*\*\*\* No SARA 313 Chemicals for this product. \*\*\*\*\*

SARA 311 / 312 Hazard Categories:

Immediate: Yes

Delayed: NO

Fire: NO

Pressure: NO

Reactivity: NO

State Regulations:

California Proposition 65: No

**SECTION XVI – OTHER INFORMATION**

We assign NFPA ratings and HMIS ratings to this product based on the hazards of its ingredient(s). Because the customer is most aware of the application of the product, he must ensure that the proper personal protective equipment (PPE) is provided consistent with information contained in the product MSDS.

**HMIS Rating:**

Health - 1  
Flammability - 1  
Reactivity - 0

**NFPA Rating:**

Health - 1  
Flammability - 1  
Reactivity - 0

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**Revisions:**

August 26, 2004 – 16 point format

\*This information is intended solely for the use of individuals trained in the particular hazard rating system.

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