

Material Safety Data Sheet

Section 1 - Chemical Product and Company Identification

MSDS Name:	Methyl Docosanoate
Synonyms:	Methyl behenate; Behenic acid methyl ester; Docosanoic acid methyl ester
Company Identification:	PI Chemicals Ltd. Building B, 633 E Shan Road, Pudong New Area Shanghai 200127, China
Telephone Number:	86-21-58953700
Fax Number:	86-21-58953701

Section 2 - Product Information

Catalog Number:	PI-35217
CAS Number:	929-77-1
EC Number:	213-207-8
MDL Number :	MFC00009347
Purity:	95%

Section 3 - Physical and Chemical Properties

Form:	Solid
Color:	White to off-white
Molecular Formula:	$\text{CH}_3(\text{CH}_2)_{20}\text{COOCH}_3$
Molecular Weight:	354.61
Freezing/Melting Point:	54 - 56 °C (129 - 133 °F)
Boiling Point:	Undetermined
Flash Point:	> 113.00 °C (> 235.40 °F) - closed cup
Autoignition Temperature:	Undetermined
Refractive Index (nD20):	Undetermined
Density:	Undetermined
Decomposition Temperature:	Undetermined
Solubility:	Undetermined

Section 4 - Hazards Identification

Inhalation:	May be harmful if inhaled. Causes respiratory tract irritation.
Skin:	May be harmful if absorbed through skin. Causes skin irritation.
Eyes:	May cause eye irritation.
Ingestion:	May be harmful if swallowed.

Section 5 - First Aid Measures

General advice:	Consult a physician. Show this safety data sheet to the doctor in attendance.
If inhaled:	If breathed in, move person into fresh air. If not breathing, give artificial respiration.
In case of skin contact:	Wash off with soap and plenty of water.
In case of eye contact:	Flush eyes with water as a precaution.
If swallowed:	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Section 6 - Stability and Reactivity

Chemical Stability:	Stable under recommended storage conditions.
Materials to avoid:	Strong oxidizing agents.
Hazardous Decomposition Products:	Carbon oxides.

Section 7 - Handling and Storage

Handling:	Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.
Storage:	Keep container tightly closed in a dry and well-ventilated place. Recommended storage temperature: 2 - 8 °C Keep in a dry place.

Section 8 - Personal Protection

Eyes:	Wear appropriate protective eyeglasses.
Skin:	Wear appropriate protective gloves to prevent skin exposure.
Clothing:	Wear appropriate protective clothing to prevent skin exposure.
Respirators:	Use an approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Section 9 - Fire and Explosion Hazard Data

General Information:	As in any fire, wear a self-contained breathing apparatus, MSHA/NIOSH (approved or equivalent) and protective clothing to prevent contact with skin and eyes.
Extinguishing Media:	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special protective equipment for fire-fighters:	Wear self contained breathing apparatus for fire fighting if necessary.

Section 10 - Accidental Release Measures

Personal precautions: Avoid dust formation.
Environmental precautions: Do not let product enter drains.
Methods for cleaning up: Sweep up and shovel. Keep in suitable, closed containers for disposal.

Section 11 - Toxicological Information

RTECS#: CAS# 929-77-1: Not available.
LD50/LC50: RTECS: Not available.
Carcinogenicity: Methyl Docosanoate
–Not listed as a carcinogen by ACGIH, IARC, NTP, or OSHA.

Section 12 - Environmental information

Not available

Section 13 - Disposal Consideration

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state and local environmental regulations.

Section 14 - Transport Information

IATA: Not dangerous goods.
IMO: Not dangerous goods.
RID/ADR: Not dangerous goods.

Section 15 - Regulatory Information

OSHA Hazards: No known OSHA hazards

DSL Status: This product contains the following components listed on the Canadian NDSL list. All other components are on the Canadian DSL list.
Methyl Docosanoate CAS No. 929-77-1

SARA 302 Components:

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components:

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards: No SARA Hazards

Section 16 - Additional Information

MSDS Creation Date: 28 April, 2011
Update: 18 January, 2012

The above information is believed to be accurate and represents the best knowledge available to us currently. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall PI Chemicals, be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, even if PI Chemicals has been advised of the possibility of such damages.

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