



Polymer Add (Thailand) Co; Ltd.

Safety Data Sheet

MICRONISED HIGH DENSITY POLYETHYLENE WAX (MLP104)

Revision date :

Page: 1/8

Version : 3.0

NUMBER

1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifiers

Chemical Name	POLYETHYLENE WAX
CAS NO.	9002-88-4

1.2 Relevant identified uses of the substance or mixture and uses advised against

1. It is used to improve the surface smoothness, and provides strong abrasion resistance in coatings.
2. In pigmented coatings it is incorporated during the dispersion stage ,In clear coatings is dispersed by a high speed mixer or industrial homogeniser.
3. It produced a semi-gloss finish in coatings.

Details of the supplier of the safety data sheet

COMPANY

POLYMER ADD (THAILAND) CO., LTD.
106, Chalaremprikiat, Lor 9, Soi 22, Yak
5,Nongbon, Prawet,Bangkok
Bangkok - 10250
Thailand
Telephone : 0804531391
Email - contact@polymeradd.co.th

2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Physical and Chemical Hazards	Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.
Human Health	Not a hazardous substance or mixture.
Environment	This substance/mixture contains no components considered to be either persistent bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

This substance is not classified as dangerous according to Directive 67/548/EEC.

2.2 Labelling according Regulation (EC) No 1272/2008 [CLP]

Label elements	Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008
----------------	---

2.3 Other hazards	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
-------------------	--

3 COMPOSITION/INFORMATION ON INGREDIENTS

Safety Data Sheet

MICRONISED HIGH DENSITY POLYETHYLENE WAX (MLP104)

Revision date :

Page: 2/8

Version : 3.0

NUMBER

3.1 Substances

Component	POLYETHYLENE WAX
Chemical Name	POLYETHYLENE WAX
CAS NO	9002-88-4
EC Number	200-815-3
Molecular Formula	C ₂ H ₄
Molecular Weight	28.0536
Concentration	100%

4 FIRST AID MEASURES

4.1 Description of first aid measures

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.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed

No data available

5 FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
-------------------------------------	--

5.2 Special hazards arising from the substance or mixture

Carbon oxides

5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

5.4 Further information

No data available

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions protective equipment and emergency procedures

Safety Data Sheet

MICRONISED HIGH DENSITY POLYETHYLENE WAX (MLP104)

Revision date :

Page: 3/8

Version : 3.0

NUMBER

Avoid dust formation.
Avoid breathing vapours, mist or gas.
For personal protection see section 8.

6.2 Environmental precautions

Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up

Sweep up and shovel.
Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For disposal see section 13.

7 HANDLING AND STORAGE

7.1 Precautions for safe handling

Provide appropriate exhaust ventilation at places where dust is formed.
For precautions see section 2.2.

7.2 Information about protection against explosions and fires

No data available

7.3 Conditions for safe storage including any incompatibilities

Store in cool place.
Keep container tightly closed in a dry and well-ventilated place.
Storage class (TRGS 510): Combustible Solids

7.4 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Appropriate engineering controls

General industrial hygiene practice.

Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Hands protection

Handle with gloves.
Gloves must be inspected prior to use.
Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product.
Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory

Safety Data Sheet

MICRONISED HIGH DENSITY POLYETHYLENE WAX (MLP104)

Revision date :

Page: 4/8

Version : 3.0

NUMBER

practices.

Wash and dry hands.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Body Protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.

The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Respiratory protection is not required.

Where protection from nuisance le (EN 143) dust masks.

Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure

Do not let product enter drains.

9 PHYSICAL AND CHEMICAL PROPERTIES

a) Appearance	White Powder
b) Odour	Typical Wax Odor
c) Odour Threshold	No data available
d) pH (% solution in water)	No data available
pH	No data available
e) Melting point/freezing point	98.5 - 112.5 Degrees C
f) Initial boiling point and boiling range	Not Applicable
g) Flash point	232 Degrees C
h) Evaporation rate	No data available
i) Flammability (solid or gas)	Combustible solid
j) Upper/lower flammability or explosive limits	232 Degrees C
k) Vapour pressure	Heavier than air
l) Vapour density	No data available
m) Relative density	0.92 g/cc
n) Water solubility	No data available
o) Partition coefficient: n-octanol/water	No data available

Safety Data Sheet

MICRONISED HIGH DENSITY POLYETHYLENE WAX (MLP104)

Revision date :

Page: 5/8

Version : 3.0

NUMBER

p)Autoignition temperature	No data available
q)Decomposition temperature	No data available
r)Viscosity	Viscosity at 149 °C 10-20 cPs
s)Explosive properties	No data available
t)Oxidizing properties	No data available

9.2 Other safety information

Bulk Density	0.92 g/cc
--------------	-----------

10 STABILITY AND REACTIVITY

10.1 Reactivity	No data available
10.2 Chemical stability	Stable under recommended storage conditions.
10.3 Possibility of hazardous reactions	No data available
10.4 Conditions to avoid	No data available
10.5 Incompatible materials	Strong oxidizing agents
10.6 Hazardous decomposition products	Hazardous decomposition products formed under fire conditions. Carbon oxides Other decomposition products. No data available In the event of fire: see section 5

11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity	No data available (Ethene, homopolymer)
Acute oral toxicity	No data available(Ethene, homopolymer)
Acute Inhalation toxicity	No data available
Acute dermal toxicity	No data available
Acute Irritation / corrosion toxicity	No data available
Skin corrosion/irritation	No data available
Serious eye damage/eye irritation	No data available(Ethene, homopolymer)
Respiratory or skin sensitization	No data available(Ethene, homopolymer)
Germ cell mutagenicity	No data available(Ethene, homopolymer)
IARC	3 - Group 3: Not classifiable as to its carcinogenicity to humans (Ethene, homopolymer)
Reproductive toxicity	No data available (Ethene, homopolymer)

Safety Data Sheet

MICRONISED HIGH DENSITY POLYETHYLENE WAX (MLP104)

Revision date :

Page: 6/8

Version : 3.0

NUMBER

Specific target organ toxicity - single exposure	No data available(Ethene, homopolymer)
Specific target organ toxicity - repeated exposure	No data available
Signs and symptoms of exposure	No data available
Route of exposure	No data available
Aspiration hazard	No data available(Ethene, homopolymer)
Potential health effects	No data available
Inhalation	No data available
Ingestion	No data available
Skin	No data available
Eyes	No data available
RTECS	Not available

Signs And Symptoms of Exposure

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.(Ethene, homopolymer)

12 ECOLOGICAL INFORMATION

12.1	Toxicity	No data available
	Toxicity to fish	No data available
	Toxicity to daphnia and other aquatic invertebrates	No data available
	Toxicity to Algae/Aquatic plants	No data available
	Toxicity to microorganisms	No data available
12.2	Persistence and degradability	
	Biodegradation	
	No data available	
12.3	Bio accumulative potential	No data available
12.4	Mobility in soil	No data available(Ethene, homopolymer)
12.5	Results of PBT and vPvB assessment	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher

Safety Data Sheet

MICRONISED HIGH DENSITY POLYETHYLENE WAX (MLP104)

Revision date :

Page: 7/8

Version : 3.0

NUMBER

12.6 Other adverse effects No data available

13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product

Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging

Dispose of as unused product.

14 TRANSPORT INFORMATION

14.1 UN number

ADR/RID

IMDG

IATA

-

-

-

14.2 UN proper shipping name

ADR/RID

IMDG

IATA

Not dangerous goods

Not dangerous goods

Not dangerous goods

14.3 Transport hazard class(es)

ADR/RID

IMDG

IATA

-

-

-

14.4 Packaging group

ADR/RID

IMDG

IATA

-

-

-

14.5 Environmental hazards

ADR/RID

IMDG Marine pollutant

IATA

No

No

No

14.6 Special precautions for user No data available

15 REGULATORY INFORMATION

15.1 Safety health and environmental regulations/legislation specific for the substance or mixture

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006

15.2 Chemical Safety Assessment

For this product a chemical safety assessment was not carried out

16 OTHER INFORMATION

