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, Chalaremprakiat, 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.

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

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

3.1 Substances

Component	POLYETHYLENE WAX
Chemical Name	POLYETHYLENE WAX

CAS NO	9002-88-4
EC Number	200-815-3
Molecular Formula	C2H4
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

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 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
p)Autoignition temperature	no data available
q)Decomposition temperature	no data available
r)Viscosity	no data available
s)Explosive properties	no data available

	t)Oxidizing properties	no data available
9.2	**Other safety information**	
	Bulk Density	no data available
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.
11	**TOXICOLOGICAL INFORMATION**	
11.1	**Information on toxicological effects**	
	Acute toxicity	LD50 Oral - Rat - > 8.000 mg/kg Remarks: (RTECS) Inhalation: No data available Dermal: No data available
	Skin corrosion/irritation	No data available
	Serious eye damage/eye irritation	No data available
	Respiratory or skin sensitization	No data available
	Germ cell mutagenicity	No data available
	Carcinogenicity	No data available
	Reproductive toxicity	No data available
	Specific target organ toxicity - single exposure	No data available
	Specific target organ toxicity - repeated exposure	No data available
	Aspiration hazard	No data available
	RTECS	To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.
12	**ECOLOGICAL INFORMATION**	
12.1	Toxicity	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
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.
12.6	Other adverse effects	No ecological problems are to be expected when the product is handled and used with due care and attention.

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 — Not classified as dangerous in the meaning of transport regulations

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

Month of Creation	March 2023
Month of Revision	March 2027