

Safety Data Sheet

TALC M20W93

Revision date :

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

1.1 Product identifiers

Chemical Name	TALC
CAS NO.	14807-96-6

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

1. Talc product which improves stiffness and impact resistance in polymer applications.
2. Talc which significantly increases hiding power in paint, coatings.
3. Talc is used as filler in polymer application due it is Antistatic properties.

Details of the supplier of the safety data sheet

COMPANY

POLYMER ADD (THAILAND) CO., LTD.
106, Chalarempriakiat, 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

For the full text of the R-phrases mentioned

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

Pictogram



Signal word

Danger

Hazard statement(s)

May cause cancer

2.3 Other hazards

3 COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Component

Chemical Name	TALC
CAS NO	14807-96-6
EC Number	238-877-9
Molecular Formula	3MgO.4SiO2.H2O

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Molecular Weight 379.27 g/mol

Concentration 100%

4 FIRST AID MEASURES

4.1 Description of first aid measures

If inhaled	Remove to fresh air immediately. If experiencing difficulty in breathing then get medical attention.
In case of skin contact	In case of skin irritation or allergic reactions, see a physician.
In case of eye contact	Immediately flush with water for at least 15 minutes, lifting the upper and lower eyelids intermittently, then see a medical doctor.
If swallowed	Do not induce vomiting. Never give anything by mouth to an unconscious person. See a medical doctor immediately.

4.2 Most important symptoms and effects, both acute and delayed

May cause mild skin irritation in some cases.
Can be harmful if inhaled.
May cause respiratory irritation if inhaled.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5 FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media	Use water, dry chemical, carbon dioxide, or chemical foam.
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5.2 Special hazards arising from the substance or mixture

None

5.3 Advice for firefighters

Wear full protective clothing and self-contained breathing apparatus (SCBA) approved for fire fighting.
This is necessary to protect against the hazards of heat, products of combustion, and oxygen deficiency.
Do not breathe smoke, gases, or vapors generated.

5.4 Further information

6 ACCIDENTAL RELEASE MEASURES

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6.1 Personal precautions protective equipment and emergency procedures

Ensure adequate ventilation.
No special environmental precautions required.

6.2 Environmental precautions

No data available

6.3 Methods and materials for containment and cleaning up

Wipe up with absorbent material.

6.4 Reference to other sections

No data available

7 HANDLING AND STORAGE

7.1 Precautions for safe handling

Do not get in eyes and avoid breathing dust.

7.2 Information about protection against explosions and fires

No data available

7.3 Conditions for safe storage including any incompatibilities

Store away from oxidizing agents.
Keep in a dry place and protect from moisture.

7.4 Specific end use(s)

No data available

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Appropriate engineering controls

Ensure adequate ventilation.
Handle in accordance with good industrial hygiene and safety practice.
Wash hands before breaks and at the end of workday.

Eye/face protection

Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Skin protection recommended when manufacturing product
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.

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Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.

Wash and dry hands.

Body Protection

Impervious clothing, 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 dependent upon airborne exposures.

For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator.

For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges

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

9 PHYSICAL AND CHEMICAL PROPERTIES

a)Appearance	White, fine micronized powder.
b)Odour	No Odour
c)Odour Threshold	No data available
d)pH (% solution in water)	Insoluble in water
pH	8.00-9.50
e)Melting point/freezing point	> 1500 Degrees C
f)Initial boiling point and boiling range	N/A
g)Flash point	N/A
h)Evaporation rate	N/A
i)Flammability (solid or gas)	Non-flammable
j)Upper/lower flammability or explosive limits	N/A
k)Vapour pressure	N/A
l)Vapour density	N/A
m)Relative density	0.40-0.45 gm/cc
n)Water solubility	Insoluble in water
o)Partition coefficient: n-octanol/water	N/A
p)Autoignition temperature	N/A
q)Decomposition temperature	N/A
r)Viscosity	No data available
s)Explosive properties	No data available

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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 Oxidizing agents

10.6 Hazardous decomposition products Magnesium oxide, silicon 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 ECHA end point summary states that : substance Talc ($Mg_3H_2(SiO_3)_4$) does not meet the criteria to be classified for human health hazards for Acute dose toxicity.

Acute oral toxicity The oral LD50 of 18.3% talc in saline was >5000 mg/kg. A single oral dose of 5000 mg/kg of talc was administered to 10 male rats. All animals survived, and there were no signs of toxicity.

Acute Inhalation toxicity There are no indications of Acute toxicity by inhalation of talc.

Acute dermal toxicity There are no indications of Acute dermal toxicity of talc.

Acute Irritation / corrosion toxicity On basis of skin irritation / corrosivity classification of Talc deemed to be non-irritant.

Skin corrosion/irritation Skin - Human(Hydrous magnesium silicate)
Result: Mild skin irritation - 3 h

Serious eye damage/eye irritation No data available(Hydrous magnesium silicate)

Respiratory or skin sensitization No data available(Hydrous magnesium silicate)

Germ cell mutagenicity No data available(Hydrous magnesium silicate)

Carcinogenicity Not classifiable as a human carcinogen.

IARC IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Hydrous magnesium

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	silicate) 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Hydrous magnesium silicate)
Reproductive toxicity	No data available(Hydrous magnesium silicate)
Specific target organ toxicity - single exposure	No data available(Hydrous magnesium silicate)
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(Hydrous magnesium silicate)
Potential health effects	No data available
Inhalation	No data available
Ingestion	No data available
Skin	No data available
Eyes	No data available
RTECS	WW2710000

Signs And Symptoms of Exposure

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

12 ECOLOGICAL INFORMATION

12.1	Toxicity	Not Acutely Toxic
	Toxicity to fish	Not Acutely Toxic
	Toxicity to daphnia and other aquatic invertebrates	Not Acutely Toxic
	Toxicity to Algae/Aquatic plants	Not Acutely Toxic
	Toxicity to microorganisms	Not Acutely Toxic
12.2	Persistence and degradability	
	Biodegradation	
	No data available	
12.3	Bio accumulative potential	No data available(Hydrous magnesium silicate)
12.4	Mobility in soil	No data available(Hydrous magnesium silicate)
12.5	Results of PBT and vPvB assessment	This substance/mixture contains no components

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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 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**

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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**

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14.4 Packaging group**ADR/RID****IMDG****IATA**

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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

Polymer Add (Thailand) Co; Ltd.



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For this product a chemical safety assessment was not carried out

16 OTHER INFORMATION

Month of Creation

March 2023

Month of Revision

March 2027