

Material Safety Data Sheet

Pacific InterChem Co., Ltd

Date / Revised : 29. July, 2020 (Rev.7)

This GHS-MSDS is published according to 41 Article of the Industry Health and Safety Act of Korea and may not meet the regulatory requirements in other countries.

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Product Name	POLY TS AD001
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1. Product and Company Identification

- a) Product name / Specification POLY TS AD001
- b) Recommended use of chemical Use of the chemical Plastics Additive, for Industrial use only
- c) Manufacturer/Supplier/Distributor Information
- Name Pacific InterChem Co., Ltd
 - Street Address 1923 Hyundai VentureVille713 Suseo-dong, Gangnam-gu, Seoul, Korea
Telephone: +82 2 2040-7317(Head office), +82 31 761-1339(Plant)
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 - Emergency phone +82 31 761-1339(Plant)

2. Hazard and Risk Identification

- a) Hazard and Risk Category: According to Regulation (EC) No 1272/2008[EU-GHS/CLP]
Eye irritation (Category 2)

- b) Label element and precautionary statement:
Pictogram



- Signal word Warning
- Hazard statement Not applicable
- Precaution statement Not applicable

- c) Other Hazard Risk which are not included in the classification criteria (NFPA)
- | | |
|--------------|---|
| Health | 1 |
| Flammability | 0 |
| Reactivity | 0 |

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3. Composition / Information on Ingredients

Chemical Name	Other name	CAS no	Concentration (%)
Polytetrafluoroethylene(PTFE)	Teflon, Poly(ethylene tetrafluoride)	9002-84-0	50
Poly(styrene-co-methyl methacrylate)		25034-86-0	50

4. First-aid measures

On contact with eyes	Carefully wash affected eyes for a few minutes under running water with eyelids held open. If symptoms persist, call a physician.
On Skin contact:	Flush with copious amounts of water for at least 15 minutes. If systems persist Call a physician
If inhaled:	Keep patient calm, remove to fresh air, seek medical attention if other symptoms happens
On ingestion:	Immediately rinse mouth and then drink plenty of water, do not induce vomiting, seek medical attention
Note to physician	Well-informed of relational materials and then treat according to symptoms

5. Fire-fighting measures

- | | |
|--|---|
| a) Suitable extinguishing media | Carbon dioxide, dry extinguishing media, water spray, foam
Also, dry sand and soil can be used |
| b) Special exposure hazards arising from the substance | Harmful if swallowed
Risk toxic gases during burns |
| c) Special protective equipment: | Wear a self-contained breathing apparatus and Flame retardant protective clothing |

6. Accidental release measures

- | | |
|--------------------------|---|
| a) Personal precautions: | Avoid contact with the skin and the eyes. |
|--------------------------|---|

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Take appropriate protective measures.

b) Environmental precautions:

Prevent further leakage and spillage.

Do not discharge into the drains/surface water/ground water.

c) Methods and materials for containment
And for cleaning Up

Shovel or sweep up keep in suitable, closed plastic bag for disposal

Dispose of in accordance with local regulations.

Avoid dust formation.

7. Handling and storage

a) Precautions for safe Handling

Handle in accordance with good industrial hygiene and safety practice.
The substance/product may be handled by appropriately trained personnel.

Use adequate ventilation. Keep plastic bag tightly closed in a dry, cool and well-ventilated place.

Avoid dust formation.

b) Conditions for safe Storage

Suitable materials for containers: PE plastic bag or supersacks such as 500Kgs etc

Protect from direct sunlight.

Protect contents from the effects of light and UV-light and other radiation with high energy.

Store at room temperature and keep away reactive metals.

Keep well-ventilated place.

8. Exposure controls and personal protection

a) Control parameters

Local regulatory

No data available

ACGIH Exposure Limits

No data available

Biological limit values

No data available

b) Appropriate engineering controls

Control in a well-ventilated place to hydrogen fluoride and carbonyl fluoride keep below exposure limits.

c) Personal protective equipment

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-Respiratory protection

Suitable respiratory protection for lower concentrations which approved by Korea Occupational Safety & Health Agency.

-Eye protection

Safety glasses with side-shields(frame goggles)

-Hand protection

Wear suitable materials gloves considering physical/chemical properties.

-Body protection

Wear protective clothing considering physical/chemical properties.
Must be chosen depending on activity and possible exposure.

9. Physical and chemical properties

Appearance

Form	Granule
Color	White
Odor	odorless
pH Value	No data available

Melting temperature Starting at approximately 330°C

Boiling temperature No data available

Flash point No data applicable

Flammability Non-flammable

Self ignition Not self-igniting

Explosion hazard Not explosive

Upper/Lower explosion limit (%) No data available

Vapor pressure No data available

Solubility in water insoluble

Bulk Density(g/ml) Approx. 0.85

Relative Density No data available

Decomposition temperature More than 600 °C

Viscosity No data available

Molar mass: No data available

10. Stability and reactivity

- a) Chemical stability and possibility of hazardous reactions

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Stable on ambient temperature/Pressure.

Do not self-polymerization

Burns a part of materials with a little fume but not easy to burn

Non self-ignition,

b) Conditions to avoid

Keep away from heat/sparks/open flames/hot surface.

c) Incompatible materials

- Oxygen, Acid, metal salts, Oxidation agent, Peroxide, reduction agent

d) Hazardous decomposition product

- Carbon-oxide, Nitrogen compound, Carbonyl fluoride compound, Fluoro compound

11. Toxicological information

a) Information on the likely routes of exposure

This information announced just for reference because This compound has highly stable material. Therefore the following never should be provided the exact route of exposure.

b) Health hazards information

Acute toxic

No data available

Skin corrosive/irritation

No data available

Serious eye damage/eye irritation

No data available

Respiratory sensitization

No data available

Skin sensitization

No data available

Carcinogenicity

the Industry Health and Safety Act

No data available

IARC

No data available

OSHA

No data available

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ACGIH

No data available

NTP

No data available

EU CLP

No data available

Germ Cell Mutagenicity

No data available

Reproductive toxicity

No data available

Aspiration hazard

No data available

12. Ecological information

a) Aquatic and terrestrial ecotoxicity

fishes

No data available

Crustacean

No data available

Birds

No data available

b) Persistence and degradability

No data available

c) Bioaccumulative potential

No data available

d) Mobility in soil

No data available

e) Other adverse effects

No data available

13. Disposal considerations

a) Disposal method

Must be sent a suitable incineration plant, observing local regulations.
Uncleaned empties should be disposal of in the same manner as the contents.

b) Disposal precaution

Dispose In accordance with related Law.

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14. Transport information

- a) UN number
Not classified in the category information
- b) UN proper shipping name
Not regulated
- c) Transport hazard class
This product is NOT classified as dangerous substance for IATA Transport
- d) Packing group(if applicable)
Not regulated
- e) Marine pollution
No data available
- f) Special precaution which a user to be aware of or needs to comply with in connection with transport
Not regulated

15. Regulatory information

- a) Industrial Safety and Health Act
No data available
- b) Toxic Chemical Control Act
No data available
- c) Dangerous Material Safety Control Act
No data available
- d) Waste Management Act
No data available
- e) Other requirement
for Global Inventory Compliance :

TSCA (US)	Available	CAS No.9002-84-0, 100-42-5, 80-62-6 are listed on TSCA Chemical Substance Inventory.
DSL (Canada)	Available	CAS No. 9002-84-0, 100-42-5, 80-62-6 are listed on DSL.
NDSL (Canada)	No data available	
EINECS (Europe)	Available	EC No. 204-126-9, 202-851-5, 201-297-1 are listed on EINECS.
ELINCS (Europe)	No data available	
NLP (No longer polymer (Europe))	No data available	
METI/ECL (Japan)	Available	(6)-939, (3)-4, (6)-1285 are listed on METI/ECL.
AICS (Australia)	Available	CAS No. 9002-84-0, 100-42-5, 80-62-6 are listed on AICS.
PICCS (Philippines)	Available	CAS No. 9002-84-0, 100-42-5, 80-62-6 are listed on PICCS.
IECSC (China)	Available	CAS No. 9002-84-0, 100-42-5, 80-62-6 are listed on IECSC.

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KECI (Korea)	Available	KE-33429, KE-35342, KE-25050 are listed on KECI.
New Zealand	Available	CAS No. 9002-84-0, 100-42-5, 80-62-6 are listed on New Zealand inventory of chemical.

REACH Status

REACH registration number	Each chemical Substances are registered as the following
	Tetrafluoroethylene: 01-2119487991-21-0029
	Styrene: 01-2119457861-32-0065
	Methyl Methacrylate: 01-2119452498-28-0018

16. Other information

a) Information source and references:

National Library of Medicine/Hazardous Substances Data Bank(NLM/HSDB)
(<http://toxnet.nlm.nih.gov/cgi-bin/sis/htmlgen?HSDB>)
National Library of Medicine/Hazardous Substances Data Bank(NLM/HSDB)
(<http://toxnet.nlm.nih.gov/cgi-bin/sis/htmlgen?HSDB>)
The Chemical Database, The Department of Chemistry at the University of Akron
(<http://ull.chemistry.uakron.edu/erd>)
National Library of Medicine/Hazardous Substances Data Bank(NLM/HSDB)
(<http://toxnet.nlm.nih.gov/cgi-bin/sis/htmlgen?HSDB>)
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(<http://toxnet.nlm.nih.gov/cgi-bin/sis/htmlgen?HSDB>)

b) Issuing Date 16. August, 2011

c) Revision Data

Revision number 7 time

Revision Date 29. July, 2020

d) others No data available