

SAFETY DATA SHEET

Additives thixotropic agent

SHANGHAI JICHUAN POLYMER MATERIALS SALES CENTER

SDS

- According to GHS (Seventh Revised Edition)

Section 1 Product and Company Identification

> Product Identifier

Product Name Additives thixotropic agent
Molecular Formula -

> Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Relevant Identified Uses Coating additives.
Uses Advised Against Industry only.

> Details of the Supplier of the Safety Data Sheet

Applicant Name SHANGHAI JICHUAN POLYMER MATERIALS SALES CENTER
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Supplier Post Code 215414
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> Emergency Phone Number

Emergency Phone Number +86-512-57758550

Section 2 Hazards Identification

Hazard class and label elements of the product according to GHS (the seventh revised edition):

> GHS Hazard Class

Flammable Solids Category 1

Acute Toxicity – Dermal	Category 5
Skin Corrosion/Irritation	Category 2
Acute Toxicity – Inhalation	Category 4
Specific Target Organ Toxicity (Repeated Exposure)	Category 2

> GHS Label Elements

Pictogram



Signal Word

Danger

> Hazard Statements

H228	Flammable solid
H313	May be harmful in contact with skin
H315	Causes skin irritation
H332	Harmful if inhaled
H373	May cause damage to organs through prolonged or repeated exposure

> Precautionary Statements

Prevention

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P240	Ground and bond container and receiving equipment.
P241	Use explosion-proof [electrical/ventilating/lighting] equipment.
P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P264	Wash thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

Response

P312	Call a POISON CENTER/doctor, if you feel unwell.
P314	Get medical advice/attention if you feel unwell.
P302+P352	IF ON SKIN: Wash with plenty of water.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.

Storage

Not applicable

Disposal

P501	Dispose of contents/container in accordance with local/regional/national/international regulations.
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Section 3 Composition/Information on Ingredients

Component	Concentration (weight	CAS No.
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	percent, %)	
Synthetic wax	20	9002-88-4
Xylene	65~75	1330-20-7
Ethanol	5~15	64-17-5

Section 4 First Aid Measures

> Description of First Aid Measures

General Advice	Immediate medical attention is required. Show this safety data sheet (SDS) to the doctor in attendance.
Eye Contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician if feel uncomfortable.
Skin Contact	Take off contaminated clothing and shoes immediately. Wash off with plenty of water for at least 15 minutes and consult a physician if feel uncomfortable.
Ingestion	Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a physician or Poison Control Center immediately.
Inhalation	Move victim into fresh air. If breathing is difficult, give oxygen. Do not use mouth to mouth resuscitation if victim ingested or inhaled the substance. If not breathing, give artificial respiration and consult a physician immediately.
Protecting of First-aiders	Ensure that medical personnel are aware of the substance involved. Take precautions to protect themselves and prevent spread of contamination.

> Most Important Symptoms and Effects, both Acute and Delayed

- 1 Substance accumulation, in the human body, may occur and may cause some concern following repeated or long-term occupational exposure.

> Indication of Any Immediate Medical Attention and Special Treatment Needed

- 1 Treat symptomatically.
- 2 Symptoms may be delayed.

Section 5 Fire Fighting Measures

> Extinguishing Media

Suitable Extinguishing Media	Dry chemical, carbon dioxide, water spray, alcohol-resistant foam.
Unsuitable Extinguishing Media	Do not use a solid water stream as it may scatter or spread fire.

> Specific Hazards Arising from the Substance or Mixture

- 1 Will form explosive mixtures with air.
- 2 Detonation may occur from heavy impact or excessive heating.
- 3 Flammable solid which burns and propagates flame easily, even when partly wetted with water.
- 4 May burn fiercely.
- 5 Any source of ignition, i.e. friction, heat, sparks or flame, may cause fire or explosion.
- 6 Containers may explode when heated.
- 7 Fire exposed containers may vent contents through pressure relief valves.
- 8 May expansion or decompose explosively when heated or involved in fire.

> Advice for Firefighters

- 1 As in any fire, wear self-contained breathing apparatus (MSHA/NIOSH approved or equivalent) and full protective gear.
- 2 Fight fire from a safe distance, with adequate cover.

- 3 Prevent fire extinguishing water from contaminating surface water or the ground water system.

Section 6 Accidental Release Measure

> Personal Precautions, Protective Equipment and Emergency Procedures

- 1 Ensure adequate ventilation. Remove all sources of ignition.
- 2 Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.
- 3 Use personal protective equipment. Avoid breathing vapours, mist, gas or dust.

> Environmental Precautions

- 1 Prevent further leakage or spillage if safe to do so.
- 2 Discharge into the environment must be avoided.

> Methods and Materials for Containment and Cleaning Up

- 1 Absorb spilled material in dry sand or inert absorbent. In case of large amount of spillage, contain a spill by bunding.
- 2 Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.
- 3 Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment.

Section 7 Handling and Storage

> Precautions for Handling

- 1 To prevent fire caused by electrostatic discharge steam, equipment on all metal parts should be grounded.
- 2 Use explosion proof equipment.
- 3 Handling is performed in a well ventilated place.
- 4 Wear suitable protective equipment.
- 5 Avoid contact with skin and eyes.
- 6 Keep away from heat/sparks/open flames/ hot surfaces.
- 7 Take precautionary measures against static discharges.

> Precautions for Storage

- 1 Keep containers tightly closed.
- 2 Keep containers in a dry, cool and well-ventilated place.
- 3 Keep away from heat/sparks/open flames/ hot surfaces.
- 4 Store away from incompatible materials and foodstuff containers.

Section 8 Exposure Controls/Personal Protection

> Control Parameters

Occupational Exposure Limit Values

Component	Country/Region	Limit Value - Eight Hours		Limit Value - Short Term	
		ppm	mg/m ³	ppm	mg/m ³
Xylene	USA - OSHA	100	435	-	-

1330-20-7	South Korea	100	435	150	655
	Ireland	50	221	100	442
	Germany (AGS)	100	440	200	880
	Denmark	25	109	50	218
	Australia	80	350	150	655
Ethanol 64-17-5	USA - OSHA	1000	1900	-	-
	South Korea	1000	1900	-	-
	Ireland	-	-	1000	-
	Germany (AGS)	500	960	1000	1920
	Denmark	1000	1900	2000	3800
	Australia	1000	1880	-	-

Biological Limit Values

No information available

Monitoring Methods

- 1 EN 14042 Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents.
- 2 GBZ/T 160.1~GBZ/T 160.81-2004 Determination of toxic substances in workplace air (Series standard).

> Engineering Controls

- 1 Ensure adequate ventilation, especially in confined areas.
- 2 Ensure that eyewash stations and safety showers are close to the workstation location.
- 3 Use explosion-proof electrical/ventilating/lighting/equipment.
- 4 Set up emergency exit and necessary risk-elimination area.

> Personal Protection Equipment

Eye Protection	Tightly fitting safety goggles (approved by EN 166(EU) or NIOSH (US).
Hand Protection	Wear protective gloves (such as butyl rubber) , passing the tests according to EN 374(EU),US F739 or AS/NZS 2161.1 standard.
Respiratory protection	If exposure limits are exceeded or if irritation or other symptoms are experienced, use a full-face respirator with multi-purpose combination (US) or type AXBEK (EN 14387) respirator cartridges.
Skin and Body Protection	Wear fire/flame resistant/retardant clothing and antistatic boots.

Section 9 Physical and Chemical Properties

Appearance: White soft solid**Odor Threshold:** No information available**Melting Point/Freezing Point (°C):** No information available**Flash Point (°C)(Closed Cup):** Not applicable**Flammability:** Flammable**Vapor Pressure (MPa):** Not applicable**Relative Density(Water=1):** No information available**n-Octanol/Water Partition Coefficient:** No information available**Decomposition Temperature (°C):** No information available**Odor:** No information available**pH:** No information available**Initial Boiling Point and Boiling Range (°C):** No information available**Evaporation Rate:** Not applicable**Upper/lower explosive limits[%(v/v)]:** Upper limit : No information available ; Lower limit : No information available**Relative Vapour Density(Air = 1):** Not applicable**Solubility:** No information available**Auto-Ignition Temperature(°C):** No information available**Kinematic Viscosity (mm²/s):** Not applicable

available

Particle characteristics: No information available

Section 10 Stability and Reactivity

Reactivity	Contact with incompatible substances can cause decomposition or other chemical reactions.
Chemical Stability	Stable under proper operation and storage conditions.
Possibility of Hazardous Reactions	In contact with oxidants causes severe reactions, and may cause a fire or explosion.
Conditions to Avoid	Incompatible materials, heat, flame and spark.
Incompatible Materials	Oxidants, alkali metals, alkaline earth metals and aluminum.
Hazardous Decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11 Toxicological Information

> Acute Toxicity

Component	CAS No.	LD ₅₀ (Oral)	LD ₅₀ (Dermal)	LC ₅₀ (Inhalation, 4h)
Xylene	1330-20-7	4300mg/kg(Rat)	> 1700mg/kg(Rabbit)	21.712mg/L(Rat)
Ethanol	64-17-5	7060mg/kg(Rat)	No information available	39mg/L(Mouse)

> Skin Corrosion/Irritation

Causes skin irritation(Category 2)

> Serious Eye Damage/Irritation

No information available

> Skin Sensitization

No information available

> Respiratory Sensitization

No information available

> Germ Cell Mutagenicity

No information available

> Carcinogenicity

ID	CAS No.	Component	IARC	NTP
1	9002-88-4	Synthetic wax	Not Listed	Not Listed
2	1330-20-7	Xylene	Category 3	Not Listed

3	64-17-5	Ethanol	Category 1	Not Listed
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> **Reproductive Toxicity**

No information available

> **Reproductive Toxicity (Additional)**

No information available

> **STOT-Single Exposure**

No information available

> **STOT-Repeated Exposure**

May cause damage to organs through prolonged or repeated exposure(Category 2)

> **Aspiration Hazard**

No information available

Section 12 Ecological Information

> **Acute Aquatic Toxicity**

Component	CAS No.	Fish	Crustaceans	Algae
Xylene	1330-20-7	LC ₅₀ : 15.7mg/L (96h)(Fish)	No information available	No information available
Ethanol	64-17-5	LC ₅₀ : 11000mg/L (96h)(Fish)	EC ₅₀ : 9950mg/L (48h)	No information available

> **Chronic Aquatic Toxicity**

No information available

> **Others**

Persistence and Degradability

No information available

Bioaccumulative Potential

No information available

Mobility in Soil

No information available

Results of PBT and vPvB Assessment

Xylene does not meet the criteria for PBT and vPvB according to Regulation (EC) No 1907/2006, annex XIII.

Ethanol does not meet the criteria for PBT and vPvB according to Regulation (EC) No 1907/2006, annex XIII.

Section 13 Disposal Considerations

Waste Chemicals

Before disposal should refer to the relevant national and local laws and regulation. Recommend the use of incineration disposal.

Contaminated Packaging

Containers may still present chemical hazard when empty. Keep away from hot and ignition source of fire. Return to supplier for recycling if possible.

Disposal Recommendations

Refer to section 13.1 and 13.2.

Section 14 Transport Information

Transporting Label



Marine pollutant None

UN Number 1325

UN Proper Shipping Name FLAMMABLE SOLID, ORGANIC, N.O.S.

Transport Hazard Class 4.1

Transport Subsidiary Hazard Class None

Packing Group II

Section 15 Regulatory Information

> International Chemical Inventory

Component	EINECS	TSCA	DSL	IECSC	NZIoC	PICCS	KECI	AICS	ENCS
Synthetic wax	×	×	×	×	×	×	×	×	×
Xylene	✓	✓	✓	✓	✓	✓	✓	✓	✓
Ethanol	✓	✓	✓	✓	✓	✓	✓	✓	✓

【EINECS】 European Inventory of Existing Commercial Chemical Substances.

【TSCA】 United States Toxic Substances Control Act Inventory.

【DSL】 Canadian Domestic Substances List.

【IECSC】 China Inventory of Existing Chemical Substances.

【NZIoC】 New Zealand Inventory of Chemicals.

【PICCS】 Philippines Inventory of Chemicals and Chemical Substances.

【KECI】 Existing and Evaluated Chemical Substances.

【AICS】 Australia Inventory of Chemical Substances.

【ENCS】 Existing And New Chemical Substances.

Note

"✓" Indicates that the substance included in the regulations "×"
That no data or included in the regulations

Section 16 Additional Information

Creation Date 2018/01/23

Revision Date 2018/01/23

Reason for Revision -

> Disclaimer

This Safety Data Sheet (SDS) was prepared according to UN GHS (the 7th revised edition). The data included was derived from international authoritative database and provided by the enterprise. Other

information was based on the present state of our knowledge. We try to ensure the correctness of all information. However, due to the diversity of information sources and the limitations of our knowledge, this document is only for user' s reference. Users should make their independent judgment of suitability of this information for their particular purposes. We do not assume responsibility for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.