

Safety Data Sheet (SDS)

The content and format of this SDS in accordant with DENR Administrative order No.2015-09

1. Identification

Product details:

Product name: Junchi PPS, JCPPS40GFBR2, JCPPS-A1040-BK

Recommended use of the chemical and restrictions on use: Industrial use. Restrictions on use: Do NOT use it in an application which may contaminate food or do harm to human health.

Manufacturer/Supplier: Shenzhen Junchi Plastify Limited

Name of Department: Quality Assurance Dept.

Address: Suite 1009, Henglu E-era Building, No.159 North Pingji Avenue, Pinghu Street, Longgang District, Shenzhen City, Guangdong Province, China.

Tel.: +86 15811806629

Email: xf08@jcepp.com

Further information obtainable from: National Poisons Information Centre

Information in case of emergency: +353 (01) 809 2566 (For healthcare professionals)
+353 (01) 809 2166 (For public; 8am - 10pm)

2. Hazards identification

GHS classification:

Classified in accordance with Regulation (EC) No. 1272/2008 of the European Union



GHS08 health hazard

Carc. 1B

H350i Inhalation may cause cancer.



GHS07

Eye Irrit.2

H319 Causes severe eye irritation.

Aqyatic Chronic3 H412 Harmful to aquatic organisms and having long-term and persistent effects.

Information regarding substances that are harmful to humans and the environment:

According to the calculation method stipulated in the EU Regulation (EC) No. 1272/2008, this product needs to be labeled.

Classification system: Classified in accordance with the latest version of the EU regulation (EC) No. 1272/2008, and expanded with company and document data.

Signal Word: According to the EU regulation (EC) No. 1272/2008, the labels shall be prepared.

This product has been classified and labeled in accordance with the CLP regulations concerning the classification, labeling and packaging of substances and mixtures in the European Union.

Symbol:



Signal Words: Danger

Identify the dangerous components on the label: Glass fibre (40%)

Hazard Statements:

H319 causes severe eye irritation.

H350i inhaler can cause cancer.

H412 is harmful to aquatic organisms and has long-term and persistent effects.

Precautionary Statements:

P101 If you need medical assistance: Carry the product container or label with you at all times.

P102 Children are not allowed to touch.

P103 Please read the label before use.

Precautionary Measures

P273 Avoid releasing into the environment.

P280 Wear protective gloves / Put on protective clothing / Wear protective goggles / Wear a protective mask.

Response Precautionary Statements:

P305+P351+P338 If it gets into the eyes: Rinse for a few minutes with water carefully. If you are wearing contact lenses and can easily remove them, remove the contact lenses. Continue to rinse.

P308+P313 If you come into contact with it or have any concerns: Seek medical advice/treatment.

Storage Precautionary Statements:

P405 The storage area needs to be locked.

Disposal Precautionary Statements:

P501 Disposal of contents/containers shall comply with local/regional/national/international regulations.

Other hazards:

PBT (Persistent, Bioaccumulative and Toxic) and vPvB (Highly Persistent and Highly Bioaccumulative) evaluation results

PBT (Persistent, Bioaccumulative and Toxic): Not Applicable.

vPvB (Highly Persistent and Highly Bioaccumulative): Not Applicable.

Determination of endocrine disrupting properties: Not Applicable.

3. Composition/information on ingredients

Product description: substance (); preparation/mixture(✓)

Ingredient(s)	CAS No.	% by weight
Poly(p-sulfobiphenyl)	25212-74-2	58.5
Glass, oxide, chemicals  Carc. 1B, H350i Note: A, R	65997-17-3	40
The compound of glucose acid and N,N"-d(4-chlorophenyl)-3,12-diamino-2,4,11,13-tetrazacyclitetradecane imine in a ratio of 2:1  Eye Dam. 1, H318;  Aquatic Acute 1, H400; Aquatic Chronic 1, H410	18472-51-0	1
Octadecyl-3, 5-bis (1, 1-dimethylethyl) -4-hydroxyphenylpropionate	2082-79-3	0.5

4. First aid measures

Persons using this product should consult a physician or other medical professional if an accident involving this product results in injury. Specific first-aid measures are as follows:

Inhalation: When a gas generated from the molten polymer has been inhaled, move to area of fresh air without delay and wait until the victim is recovered. If sick feeling continues, ask a physician for advice.

Skin Contact: General products do not irritate the skin..

Eyes Contact: Cool and rinse the eye with clean water for at least 15 minutes when the eyes had contact with molten polymer. In case of wearing contact lenses, remove the lenses as soon as possible, and ask a physician for advice. When the eye had contact with the polymer in an ordinary solid form, rinse the eye with clean water without delay. If the discomfort persists, ask a physician for advice.

Ingestion: Help to vomit as much as possible. If sick feeling continues, ask a physician for advice.

Acute effect and delayed effect: Acute effect: Not found. Delayed effect: Not found.

Personal protective equipment: Wear protective gloves/protective clothing/eye protection/face protection when necessary.

Indication of immediate medical attention and treatment needed, if necessary: Treat according to symptoms and exposure dose.

5. Fire-fighting measures

Extinguishing Media: Use dry chemicals, carbon dioxide, alcohol resistant foam, water spray, dry sand. For extinction. Do not use water spray. Discharging cylinder shape water from fire hose may lead to spread fire to the surroundings.

Special hazards arising from the chemical: Incomplete combustion leads to generation of toxic gases such as carbon monoxide or sulfur compound gas, in addition to carbonic acid gas and water.

Fire Fighting Method:

Shut off air supply.

Extinguish fire from upwind and cool down containers by water spray.

Remove containers from fire area if it can be done without risk.

Deny unnecessary entry to the place around the fire.

Special actions for fire-fighters: Firefighters must wear self-contained breathing apparatus and full protective equipment.

Check whether the protective equipment is in good condition before use.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures: Use proper personal protective equipment as indicated in Section 8. If there is no danger, cut off the source of leakage. Do NOT touch spilled material.

Environmental precautions: Handle the spillage in accordance with provisions given in the "Resin pellet spillage preventive manual", in order to prevent intakes by marine animals and birds.

Methods and material for containment and cleaning up:

Due to the nature of this product, there are no special measure for collection.

When pellets were spilled on the road or floor, wipe them off with a besom or cleaner not to cause slipping.

Collect it into a proper container for disposal.

Avoid generating dust during collection and clean-up.

7. Handling and storage**Precautions for safe handling:**

- | | |
|------------|---|
| HANDLING | PPS resin in a pellet form will neither ignite nor explode at room temperatures. |
| HANDLING 2 | If this pellet spills on the floor, it is likely to cause slipping.
Remove such spillage at any times. |
| HANDLING 3 | For molding work, effective means for local exhaust are required to discharge gases generated by melt processing. |
| HANDLING 4 | Avoid inhaling of gases generated in molding work.
Do not directly touch resin of high temperature. |
| HANDLING 5 | Avoid retaining hot resin in the processing machines for many hours. |
| HANDLING 6 | Glass fibers are not generally exposed in a single substance under normal processing and handling conditions as they are compounded in pellets. However, the following measures will be necessary to minimize the exposure to glass fibers or dusts containing glass fibers, when pellets or molded parts containing glass fibers are cut, ground or burnt, depending on environmental and operational conditions.
-Those who are sensitive in skin to glass fiber should wear suitable(protective) clothes to minimize the exposure of their skin.
-Wash working clothes apart from other laundry, so that the latter will not cause contamination with glass fibers.
-Provide the workshop with partitions to prevent diffusion of glass fiber dusts.
-Pay precautions not to rub face, neck, arms or hands. Wash them with water and gargle after working. |

- Keep dust sources totally enclosed.
 - Provide local air exhausters and implement periodical inspections and adjustments at least once a year.
 - Reduce cutting and grinding processes to the possible minimum, and devise working procedures to minimize dust generation.
 - Provide dust-preventive masks, protective glasses and gloves for personal hygiene.
 - Determine the operational environment at indoor working places and confirm the effects of environmental improvement.
- Note) Glass fibers are, like road dusts, told to be least hazardous to human bodies, but proper measures are required to avoid useless inhaling.

Conditions for safe storage, including and incompatibilities

Conditions for safe storage: Store it in a well-ventilated, cool and dry store room. Keep the substance away from any fire or heat sources for the sake of safe storage. Handle in accordance with municipal rules and regulations.

Incompatible substances or mixtures: No information available.

8. Exposure controls/personal protection

Control parameters

Components with workplace occupational exposure limits: This product contains no substances requiring workplace exposure monitoring.

Derived No-Effect Level (DNEL): No detailed relevant data available.

Predicted No-Effect Concentration (PNEC): No detailed relevant data available.

Additional information: Valid inventories in force at the time of manufacture shall be used as the basis.

Exposure controls

Based on the component information listed in Section 3, the following safety measures for occupational exposure control are recommended:

Appropriate technical controls

Keep away from food, drink and animal feeding stuffs.

Immediately remove all soiled and contaminated clothing.

Wash hands thoroughly before breaks and at the end of work.

Store protective clothing separately.

Avoid contact with eyes.

Avoid contact with eyes and skin.

For information on engineering facility design, refer to Section 7.

Personal Protective Equipment (for workers):

Protection of Hands:

Recommend wearing protective gloves (e.g. rubber gloves).



Protection of Eyes:

Wear safety glasses when working in a dusty environment.



Respiratory Protection:

Use an approved respirator if exposure limits are exceeded or if irritation or other symptoms occur.



Protection of Body:

Recommend wearing general working clothing.



General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

Avoid contact with eyes and skin.

9. Physical and chemical properties

General Information	
Form	Solid pellet
Color	Black
Odor	Odorless
pH	No data available
Boiling Range	No data available
Melting point/Melting range	275°C~285°C
Flash point	400°C or higher
Flammable/ Explosive Limits-Lower Vol %	35 g/m³
Flammable/ Explosive Limits-Upper Vol %	No data available
Density	1.66
Relative Vapor density	No data available
Vapor pressure	No data available
Solubility in/Miscibility with Water	Insoluble in water
n-octanol/Water Partition Coefficient	No data available
Self-igniting Temperature	500°C or higher
Decomposition Temperature	No data available
Odor Threshold Value	No data available

Evaporation Rate	No data available
Viscosity	No data available
Flammability (solid, gas, etc.)	Non-flammable

10. Stability and reactivity

Reactivity and Chemical stability: This product is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

Possibility of hazardous reactions: No information available.

Conditions to Avoid: No information available.

Incompatible materials: No information available.

Hazardous decomposition products: No information available.

11. Toxicological information

Product Toxicity Data:

Acute Toxicity

The LD/LC50 values related to classification: No relevant detailed information.

Skin corrosion/irritation Based on the current data, it does not meet the classification criteria.

Serious eye damage/eye irritation Causes severe eye irritation.

Respiratory or Skin sensitizer Based on the current data, it does not meet the classification criteria.

Germ cell mutagenicity Based on the current data, it does not meet the classification criteria.

Carcinogenicity Inhalation can cause cancer.

Reproductive Toxicity Based on the current data, it does not meet the classification criteria.

Specific target organ toxicity, single exposure: Based on the current data, it does not meet the classification criteria.

Specific target organ toxicity, repeated exposure: Based on the current data, it does not meet the classification criteria

Aspiration hazard Based on the current data, it does not meet the classification criteria.

Endocrine disrupting properties None of these components are listed on the list.

Others Information No relevant detailed information.

12. Ecological information

Ecotoxicity

Aquatic toxicity: No detailed relevant data available.

Persistence and Degradability: No data available

Bioaccumulative Potential: No data available

Mobility in Soil: As it is in solid status, it can hardly move in soil.

Results of PBT and vPvB assessment

PBT: Persistent, Bioaccumulative and Toxic substances

vPvB: very Persistent and very Bioaccumulative substances

PBT assessment: Not applicable

vPvB assessment: Not applicable

Endocrine disrupting properties

This product contains no substances with endocrine disrupting properties.

Other adverse effects: No data available

13. Disposal consideration

Waste treatment methods:

It is recommended to use incineration method to dispose of waste.

Any disposal practice must be in compliance with country, local, state, and federal laws and regulations.

After contents are completely removed, dispose of its container at hazardous or special waste collection point.

Paste a label on the container indicating the possible hazards of the waste.

14. Transport Information

DOT/Air-Transportation- IATA/ICAO/Sea-Transportation-IMO/IMDG:

Proper Shipping Name: Not regulated.

Hazard Class: Not applicable.

UN Code: Not applicable.

Packing Group: Not applicable.

Packing Group Symbol: Not applicable.

Marine Pollutant (Yes/No): No

EMS No.: Not applicable.

Note:

Check whether the package is completed or sealed before transporting; make sure no damage of packages and prevent goods from falling down during transporting; the transport vehicle should be equipped with facilities for fire-fighting and accidental release handling; do NOT transport this product together with incompatible substances; stay away from fire and areas of high temperature during stopovers.

15. Regulatory information

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

EU Directive 2012/18/EU

Annex I – Hazardous Substances: None of the components are listed on the inventory.

Seveso category: Not applicable

Qualifying quantity (tonnes) for the application of lower-tier requirements: Not applicable

Qualifying quantity (tonnes) for the application of upper-tier requirements: Not applicable

Regulation (EU) 2019/1021 on Persistent Organic Pollutants (POPs)

None of the components are listed on the inventory.

Regulation (EU) No 649/2012

None of the components are listed on the inventory.

Regulation (EU) 2019/1148

Annex I – RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the components are listed on the inventory.

Annex II – REPORTABLE EXPLOSIVES PRECURSORS

None of the components are listed on the inventory.

Regulation (EC) No 273/2004 on drug precursors

None of the components are listed on the inventory.

Regulation (EC) No 111/2005 laying down rules for the monitoring of trade in drug precursors between the Community and third countries

None of the components are listed on the inventory.

Regulation (EC) No 1005/2009 Annex I Substances that Deplete the Ozone Layer

None of the components are listed on the inventory.

Other regulations, restrictions and prohibitory regulations

REACH Regulation Annex XIV Candidate List of Substances of Very High Concern for authorisation (14/6/2023)

No components listed.

REACH Regulation Annex XVII Restricted Substances (8/6/2023)

Information on use restrictions, see Section 16.

No components listed.

REACH Regulation Annex XIV Authorised Substances (8/4/2022)

No components listed.

15.2 Chemical Safety Assessment

No chemical safety assessment has been carried out.

16. Other information

DISCLAIMER:

Recommended usage restrictions Not Applicable

Relevant hazard information

H318 Causing severe eye damage

H350i Inhalation can cause cancer.

H400 Extremely toxic to aquatic organisms

H410 Extremely toxic to aquatic organisms and with long-lasting effects

Classification pursuant to Regulation (EC) No 1272/2008	
Serious eye damage / Eye irritation	The mixture classification is carried out using the calculation method laid down in Regulation (EC) No 1272/2008 based on constituent substance data.
Carcinogenicity	
Hazardous to the aquatic environment – long-term hazard	

The content and format of this Safety Data Sheet (SDS) have been compiled in accordance with Regulation (EC) No 1907/2006, Regulation (EC) No 1272/2008 and Regulation (EU) No 2020/878.

Disclaimer

The information contained in this Safety Data Sheet has been obtained from sources believed to be

reliable. However, we make no warranty, express or implied, regarding the accuracy of the data provided. We have no control over the conditions and methods of handling, storage, use or disposal of this product, which may fall outside our scope of knowledge. Under no circumstances shall we be liable for any loss, damage or associated costs arising from improper handling, storage, use or disposal of this chemical. This Safety Data Sheet is prepared exclusively for this product and shall only apply to this product. If this product is used as a component of another product, this Safety Data Sheet shall not be applicable.

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