

Safety Data Sheet

Conforms to JIS Z 7253 : 2019

Preparation date: Nov. 22, 2017

Revision date: Mar. 08, 2022

1. Products and Company Information

Product name	PP Pipe : Shavings
SDS No.	No.D-011
Supplier name	Asahi Yukizai Corporation
Address	2-5955, Nakanose-cho Nobeoka-city Miyazaki-pref. Japan 882-8688
Phone number	+81-982-35-9380 (CS & Quality Section EHS & CS/QA Department Valve & Piping Systems Division)
Fax number	+81-982-35-9358 (CS & Quality Section EHS & CS/QA Department Valve & Piping Systems Division)
Emergency phone number	+81-982-35-9380
Recommended use and restrictions for use	Pipes for transfer of chemicals, drainage, hot-spring and high pure water etc.

2. Hazard Identification

GHS classification and label elements of the product

Physical hazards This product is a molded product and is not subject to classification.

Health hazards Not applicable

Items for which the GHS classification result is "Not applicable to classification" or "Cannot classify" are not listed .

GHS label elements Symbol (GHS JP)

Signal word (GHS JP)

Hazard statements (GHS JP) No information

Precautionary statements (Shavings)

Safety measures
 P260 : Do not breathe dust.
 P264 : Wash hand thoroughly after handling.
 P270 : Do not eat, drink or smoke when using this product.
 P273 : Avoid release to the environment.
 P281 : Use personal protective equipment as required.

Emergency measures P304+P340 : If inhaled, remove victim to fresh air and keep at rest in a position comfortable for breathing.

P308+P313 : If exposed or concerned, get medical advice/attention.

Storage P401 : Store not to leak of the Shavings.

Disposal P501 : Dispose of contents/container should be outsourced to a dedicated waste disposal company licensed by the municipal governor.

3. Composition / Information on Ingredients

Single or Mixture Solid mixture

Product name PP Pipe

Component	Concentration or concentration range(%)	Chemical formula	Reference Number in Gazetted List in Japan	CAS No.	Industrial Safety and Health Law (Substances subject to notification)
			CSCL (Chemical Substances Control Law)		
Ethylene-Propylene copolymer	91 ~ 95	(C ₃ H ₆ · C ₂ H ₄) _x	Che(6)-10	9010-79-1	Not applicable
Polypropylene (PP)	3 ~ 7	(C ₃ H ₆) _x	Che(6)-18	25087-34-7	Not applicable

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addition agent	1 ~ 3		Non-disclosure	Non-disclosure	Not applicable
coloring agent	0.3 ~ 0.5		Non-disclosure	Non-disclosure	Not applicable

Industrial Safety and Health Act

Not applicable

4. First-aid Measures

First-aid measures

If inhaled (shavings)

Move them to a place with fresh air and let them rest in a position where they can breathe easily.

If you feel unwell, contact a physician and get medical attention if necessary.

If on skin (shavings)

Promptly remove the shavings.

If you feel any discomfort, contact a physician and get medical attention if necessary.

If in eyes (shavings)

Wash carefully with water for a few minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

If you feel any discomfort, contact a physician and get medical attention if necessary.

If swallowed (shavings)

If a large amount of powder is swallowed, rinse mouth out with water and seek medical attention.

Do not force him to vomit.

Most Important Symptoms

None in particular

Protection of first responders

In case of powders, rescuers should wear protective equipment such as protective gloves and glasses.

Special precautions for physicians

None in particular

5. Fire-fighting Measures

Extinguishing media

For large fires, use water spray/alcohol type or general-purpose type foam extinguishing agents as recommended by the manufacturer.

For small fires, use water spray, carbon dioxide, or powder extinguishers.

Extinguishing media that should not be used

Do not use a strong stream of water.

Special fire-extinguishing method

Prohibit anyone other than related personnel from entering the area around the fire.

If possible, move away from the source of the fire and extinguish it from upwind.

Water has a cooling effect and is effective in extinguishing fires, but care must be taken not to spray directly on the molten resin with a hose, etc., as this may cause the molten resin to scatter and spread the fire.

Protective equipment for firefighters

Wear appropriate protective clothing (heat-resistant) when extinguishing fires.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures**Personal precautions**

If dust is generated by pipe cutting, workers should wear appropriate protective equipment to avoid eye and skin contact and inhalation.

Environmental precautions**Environmental precautions**

Be careful not to discharge into rivers, etc., so as not to cause environmental impact.

It must not be discharged into the environment.

Containment and remediation methods and equipment

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Containment methods	If pipe cutting generates dust, it should be swept up and collected in an empty container for later disposal processing.
Remediation methods and Equipment	Remove the dust by vacuuming or other methods that do not scatter the dust.
Prevention of secondary hazards	If dust is generated by pipe cutting, dispose of it frequently as it may cause slipping hazards if left on the floor.
7. Handling and Storage	
Handling (Shavings)	
Engineering measures	Implement equipment measures as described in " 8. Exposure controls/Personal protection " and wear protective equipment. Implement local / general ventilation as described in " 8. Exposure controls/Personal protection. "
Precautions for safe handling	Handle the product in such a way that no dust is generated. Do not inhale or swallow the product (shavings). Wash hands thoroughly after handling. Use exhaust ventilation to keep airborne concentrations below exposure limits. (If dust is generated by pipe cutting) Use outdoors or in a well-ventilated area. Avoid release to the environment (when dust is generated by pipe cutting)
Contact avoidance	When dust is generated, take measures against static electricity for equipment and devices. See " 10. Stability and Reactivity. "
Storage (Shavings)	
Engineering measures	Store in a cool, dark, well-ventilated place away from direct sunlight and avoid fire.
Safe storage conditions	Paper bags, flexible containers, silos
8. Exposure controls/Personal protection	
Control concentration	Not set in this product.
Permissible concentration	Although there are no established exposure limit concentrations for polypropylene, it is considered reasonable to treat polypropylene dust as a hazardous particle and avoid inhalation.
Equipment measures	Eye wash and safety shower should be installed in the storage or handling of this product. (If dust is generated by cutting) Handle the product in a place with a total ventilation system. (If dust is generated by cutting)
Protective equipment	
Respiratory protection	Use personal respiratory protective equipment where necessary.
Hand protection	Use personal hand protective equipment where necessary.
Eye protection	Use personal eye protective equipment where necessary.
Skin protection	Use personal protective clothing and protective face mask where necessary.
Sanitary measures	Wash hands thoroughly after handling.
Special precautions	None in particular
9. Physical and Chemical Properties	
Physical state	
Appearance	Solid (Pipe) (Cutting debris and dust are generated during cutting)

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Color	Milky white
Odor	Almost odorless
pH	No data available
Melting point	Above 160 °C
Specific gravity	0.89 ~ 0.92 (20 °C)
Combustible	Yes (designated combustibles under the Fire Service Law)
Flash point	No data available
Point of ignition	300 ~ 440 °C Varies by shape and measurement method
Decomposition temperature	No data available
Solubility	Insoluble in water
Steam pressure	No data available
Relative gas density	No data available

10. Stability and Reactivity

Reactivity	Stable under normal condition.
Chemical stability	Stable under normal condition.
Possibility of hazardous reactions	No reactivity with water, no self-reactivity, no explosiveness
Conditions to avoid	No information
Incompatible materials	Keep away from fire.
Hazardous decomposition products	When burned, it produces toxic gases such as CO, CO ₂ , hydrocarbons and oxides.

11. Toxicological Information

	Under a general environment it is a solid pipe showing no hazardous cases. However, the following items may apply to shavings and fragments that may occur during pipe installation.
Acute toxicity (oral)	Not classifiable due to the lack of data
Acute toxicity (dermal)	Not classifiable due to the lack of data
Acute toxicity (inhalation)	Not classifiable due to the lack of data
Skin corrosion / irritation	Not classifiable due to the lack of data
Serious eye damage / eye irritation	Gases and fumes generated during drying and melting are irritating.
Respiratory sensitization	Not classifiable due to the lack of data
Skin sensitization	Not classifiable due to the lack of data
Germ cell mutagenicity	Not classifiable due to the lack of data
Carcinogenicity	Carcinogenicity to humans cannot be classified.
Reproductive toxicity	Not classifiable due to the lack of data
Toxicity of specific targets (single exposure)	Not classifiable due to the lack of data
Toxicity of specific targets (repeated exposure)	Not classifiable due to the lack of data
Aspiration hazard	Not classifiable due to the lack of data

12. Environmental Information

Biotoxicity	No information
Residual and degradability	It does not readily decompose in the general environment.

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Bioaccumulative	No information
Mobility in the soil	No information
Hazardous to the ozone layer	Not classifiable due to the lack of data
Other	It should not be speculated or released in any ocean or water body to prevent marine life and birds from ingesting it. When disposing of the product, follow the instructions in " 13. Disposal Considerations ".

13. Disposal Considerations

Recyclable tubes	In consideration of the environment, if it is possible to recycle, ask a recycling company to do so.
Waste from residues	For pipes that cannot be recycled, comply with relevant laws and regulations and local government standards. Entrust disposal to an industrial waste disposer licensed by the prefectural governor, or to a local public body, if such a body is in charge of disposal. When consigning the disposal of waste to a contractor, the contractor should be fully informed of the hazards and harmfulness of the waste. This product is classified as waste plastic (stable industrial waste).
Contaminated container and package (shavings)	Not applicable

14. Transport Information

International regulations	
Marine regulation information	No restrictions
Aviation regulation information	No restrictions
Domestic regulations	
Land regulation information	No restrictions
Marine regulation information	No restrictions
Aviation regulation information	No restrictions

Safety measures related to transportation or means of transportation

Follow "**7. Handling and Storage**"

15. Regulatory Information (in Japan) (Shavings)

Industrial Safety and Health Act	Not applied
PRTR Law	Not applied
Waste Management and Public Cleansing Act	Industrial waste (classification when it is disposed of as waste)
Poisonous and Deleterious Substances Control Act	Not applied
Fire Service Act	Designated flammable goods (Synthetic resin 3,000kg) Article 9-4 of the Law, Cabinet Order on the regulation of the hazardous materials, Article 1-12, Schedule 4
Foreign Exchange and Foreign Trade Act	Not applied
Ship Safety Act	Not applied
Civil Aeronautics Act	Not applied

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Act on Port Regulations

Not applied

16. Other Information

Material Safety Data Sheets are provided to businesses that handle hazardous chemical products as reference information to ensure safe handling. Business operators who handle such products are requested to use this data sheet as a reference, with the understanding that it is necessary to take appropriate measures according to the actual conditions of individual handling, etc., on their own responsibility.

Therefore, this data sheet itself is not a guarantee of safety.

In addition, this information is subject to revision based on new findings.

Information on content, physical/chemical properties, etc. is not a guaranteed value.

The evaluation of hazards and harmfulness is based on materials and data currently available, but is not exhaustive.

If you have a Material Safety Data Sheet for this product that was previously provided to you, please destroy it.

SDSs may be revised due to legal revisions or product improvements. If the SDS was created or revised more than two years ago, please check that it is the latest version.

SDS transmission route : In principle, Safety Data Sheets (SDS) are transmitted to end users through the following route.

If you have not obtained the SDS yet, please contact us through the sales channel to request the SDS or to inquire about the latest version.

(Manufacturer agency handling business)

Disclaimer

The information contained in this sheet is based on reliable information, but no warranty, express or implied, is given as to the accuracy of the information. Because the conditions under which the product is handled, used, stored, or disposed of are beyond our control and may not be known to us, we assume no responsibility, direct or indirect, for any loss, damage, or expense resulting from the handling, use, storage, or disposal of the product. This sheet should be used only with this product. If this product is used as an ingredient in other products, the information contained in this sheet may not apply.