

## Safety Data Sheet

Preparation date: Nov 22, 2017

Revision Date: -

## 1. Products and Company information

Product name	PP Pipe : Shavings
Supplier name	Asahi Yukizai Corporation
Address	2-5955, Nakanose-cho Nobeoka-city Miyazaki-pref. Japan 882-8688
Section	Valve & Piping Systems Administration CS & Quality Assurance Group
Phone	+81-982-35-9380
Facsimile	+81-982-35-9358
Recommended use and restrictions for use	Pipes for transfer of chemicals, drainage, hot-spring and high pure water etc.

## 2. Hazard identification

GHS classification	
Physical and Chemical hazards	Not applicable
Health hazards	Not applicable
GHS label elements	
Symbol	Not applicable
Signal word	Not applicable
Hazard statements	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.
			CSCL	Labor Safety and Health Act	
Polypropylene (PP)	95%	(C <sub>3</sub> H <sub>6</sub> ) <sub>x</sub>	(6)-402	Che(6)-402	9003-07-0
Ethylene-Propylene copolymer	< 5%	(C <sub>3</sub> H <sub>6</sub> . C <sub>2</sub> H <sub>4</sub> ) <sub>x</sub>	(6)-10	Che(6)-10	9010-79-1

Industrial Safety and Health Act	Not applied
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## 4. First-aid measures

If inhaled (shavings)	Move to a place of fresh air and get rest in an easily breathing posture. Call a doctor if you feel unwell.
If on skin (shavings)	Promptly remove the shavings. If you feel unusual, contact a doctor.
If in eyes (shavings)	Carefully wash with water for a few minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If you feel unusual, contact a doctor.

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**If swallowed (shavings)**Rinse mouth. Do not induce vomiting.  
If you feel unusual, contact a doctor.

## 5. Fire-fighting measures

**Extinguishing media**

Water, spray water, fire-extinguishing powder, general fire-extinguishing foam, carbon dioxide, sand

**Special fire-extinguishing method**

Separate the product from the source of fire, if possible and extinguish fire from the windward.

**Advice for fire-fighters**

Wear appropriate protective clothing (heat resistance) while extinguishing fire.

## 6. Accidental release measures

**Personal precautions**

The worker should wear appropriate protective equipment to avoid contact with the eye and skin or inhalation if dust evolves by cutting the pipe.

**Environmental precautions**

Cautions should be exerted not to affect the environment resulting from release to rivers etc. Never discharge to the environment.

**Collection**

If pipe cutting produces dust, rake and collect dust in an empty container and dispose of it later.

**Prevention of secondary hazards**

If pipe cutting produces dust and if dust remains on the floor, there is a danger of slipping: frequent sweeping is required.

## 7. Handling and storage

**Handling (Shavings)****Engineering measures**

Implement equipment measures as described in "8. Exposure controls/personal protection" and wear protective equipment.

**Local / general ventilation**

Implement local / general ventilation as described in "8. Exposure controls/personal protection."

**Precautions for safe handling**Do not inhale or swallow the product (shavings).  
Wash hands well after handling.  
Provide ventilation for emission to keep the airborne concentration below the exposure limit. (If pipe cutting produces dust)  
Use the product only outdoor or in an area with good ventilation.  
Avoid release to the environment (if pipe cutting produces dust).**Contact avoidance**

See "10. Stability and reactivity."

**Storage (Shavings)****Engineering measures**

Avoid fire.

**Storage condition**

No specific technical countermeasures are required.

## 8. Exposure controls/personal protection

**Control parameters**

Component	Control concentration	Allowable concentration (Japan Society for Occupational Health)	Allowable concentration (ACGIH)
-	-	-	-

**Equipment measures**Handling shall be conducted where a general ventilator is installed.  
(If cutting produces dust)**Protective equipment****Respiratory protection**

Use personal respiratory protective equipment where necessary.

**Hand protection**

Use personal hand protective equipment where necessary.

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**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.

## 9. Physical and chemical properties

**Physical state****Appearance**

Solid (Pipe)

**Color**

Milky white

**Odor**

Almost odorless

**pH**

No data available

**Melting point**

135-165 °C

**Specific gravity**0.89-0.92 g/cm<sup>3</sup>**Combustion quality**

Designated flammable goods (Fire Services Act)

**Solubility**

Not soluble in water.

## 10. Stability and reactivity

**Chemical stability**

Stable under normal condition.

**Possibility of hazardous reactions**

No reaction with water.

**Conditions to avoid**

No information

**Incompatible materials**

No information

**Hazardous decomposition products**If it burns, it evolves hazardous gas. (CO, CO<sub>2</sub>, hydrocarbon and oxide etc.)

## 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**

None

**Skin corrosion / irritation**

None known

**Serious eye damage / eye irritation**

No information

**Respiratory sensitization or skin sensitization**

None known

**Germ cell mutagenicity**

None known

**Carcinogenicity**

No information

**Reproductive toxicity**

None known

**Specific target organ toxicity (single exposure)**

No information

**Specific target organ toxicity (repeated exposure)**

No information

**Aspiration hazard**

No information

## 12. Ecological information

**Environmental hazards****Hazardous to the aquatic environment  
(Acute)**

None known

**Hazardous to the aquatic environment  
(Long-term hazard)**

None known

**Ecotoxicity**

None known

**Residual/decomposition property**

None known

**Biological concentration**

No information

**Mobility in soil**

No information

**Other**

Follow "13. Disposal considerations" when disposing of the product.

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## 13. Disposal considerations

### Waste from residues

Follow the related laws and regulations as well as the local government's standards for disposal.

Outsource disposal to an industrial waste vendor licensed by the prefectural governor or the local government if it disposes of waste.

This product is classified as waste plastics (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

Special safety measures Follow "7. Handling and storage."

## 15. Regulatory information (in Japan)

Industrial Safety and Health Act 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

Act on Port Regulations Not applied

## 16. Other information

Contact information Specified in "1. Products and Company information."

References JIS Z 7250-2010 Material Safety Data Sheet (MSDS)

Others PP Pipe is a molded product and is therefore not applicable to GHS classification but GHS classification was conducted assuming micro-powder dust that may be produced when it is being handled or cut.

The content described on the Safety Data Sheet for this product is based on the materials and information available at this point in time but we are unable to provide any sort of warranty with respect to hazards, physical and chemical properties.

Precautions and considerations are based on normal handling. If you handle the product in a special manner, full safety measures shall be taken to meet its intended use and usage method.

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Please discard the previous material safety data sheet of the product, if any.

Please confirm whether your SDS is the latest version if the date of preparation / revision is more than two years ago since SDS will be revised according to revision of the laws or improvement of the product.

SDS delivery route: Safety Data Sheet (SDS) is delivered to end users on the following route.

If you have no SDS or any inquiry about the latest version, please contact us through the distribution route.

[Manufacturer      Distributor      User]