

Date of revision: Mar. 13, 2015

**1. Identification of the substance / preparation and of the company / undertaking**

Product name: PTA-FJ  
 Applications Recommended: Penetration inhibitor  
 Manufacturer: Kon Corporation  
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**2. Hazards identification**


**【GHS classification】**

Physical hazards		Not classified
Health hazards	Acute toxicity(Oral)	Not classified
	Acute toxicity(Transdermal)	Not classified
	Acute toxicity(Inhalation: Steam)	Not classified
	Acute toxicity(Inhalation: Dust, Mist)	Not classified
	Skin corrosivity / Irritative	Not classified
	Damaging Serious / irritation to the eye	Not classified
	Respiratory sensitization	Not classified
	Skin sensitization	Not classified
	Germ cell mutagenicity	Not classified
	Carcinogenic	Not classified
	Reproductive toxicity	Not classified
	Specific target organ toxicity(single exposure)	Not classified
Specific target organ toxicity(repeated exposure)	Not classified	
Aspiration hazard	Not classified	
Environmental hazards	Aquatic environmental hazards(Acute)	Not classified
	Aquatic environmental hazards(Chronic)	Not classified

※Hazard information not mentioned above, are "Not a classification target" or "Unclassifiable".

**【GHS label elements】**

※Harmful information as this product has not been obtained. For this reason, showed the general information of amorphous silica including in the product.

Symbol	 ※Amorphous silica	
Signal word	Warning	
Hazard and toxicity information	Cutaneous stimulation	
Precautionary statement	Preventive measures	That you get the instruction manual before use, read the safety precautions of all, you do not use it until you understand. Should be worn protective gloves / eye / face protection / protective clothing. Wash hands thoroughly after handling.
	Correspondence	If there is exposed or concerned, get a diagnosis and medical attention.
	Storage	Store in airtight container.
	Disposal	May correspond in accordance with laws and regulations.

3. Composition / Information on ingredients			
Distinction of single product or mixture : Mixture			
Component name	Content	Chemical formula	CAS No.
Amorphous silica	1wt%	SiO <sub>2</sub>	7631-86-9
Silicone	1~3wt%	[(CH <sub>3</sub> ) <sub>2</sub> SiO] <sub>4</sub>	556-67-2
Water	96~98wt%	H <sub>2</sub> O	7732-18-5

4. First aid measures	
Inhalation	Remove to fresh air, and take a rest in the easy style of breathes. Get medical attention/advice if you feel unwell.
Ingestion	Wash out mouth. Receive medical attention, the allowance. Get medical attention/advice if you feel unwell.
Skin contact	Wash the affected area with plenty of water. If skin irritation or rash occurs, get medical advice/attention.
Eye contact	Rinse cautiously with clean water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eyes irritation persists, get medical advice/attention.

5. Fire-fighting measures	
For the product itself does not burn, if this product is involved in a fire, never to be taken into account especially for firefighting.	

6. Accidental release measures	
Personal precaution	Wear proper protective equipment.
Environment precautions	Prevent from flowing out into sewer, watercourse or river.
Methods and materials for containment and cleaning up	Collect in a container empty. Wipe off residual spill by using absorbing water paper or cloth, and collect in plastic bag.
Measures to prevent secondary disaster	The product which was remained on the floor are risk of slipping, collect carefully, and wipe enough.

7. Handling and storage	
Handling	Wear proper protective equipment to avoid contact and inhalation. Use only outdoors or in a well-ventilated area.
Storage conditions	Store the product in a cool and dark space of 5 ~ 25 °C (No freezing).
Incompatible materials	No information
Packaging materials	Metal containers should be avoided because of the potential for corrosion by water. Be placed in sealable containers for quality maintenance.

8. Exposure controls / Personal protection		
Allowable concentration	Has not been set.	
Engineering measures	Near the handling place ,provide for systemic shower , hand washing ,an eyewash device and etc.	
Protective equipment	Respiratory protection	Wear appropriate respiratory protective equipment.
	Hand protection	Wear appropriate protective gloves.
	Eye protection	Wear appropriate protective glasses.
	Skin and body protection	Wear the appropriate protective clothing.

## &lt;PTA-FJ&gt;

Hygiene measures	When using this product, do not eat, drink or smoke. Wash your hands clean after handling.
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**9. Physical and chemical properties**

Appearance	Milky white liquid
Volatile	None
pH	~11
Specific gravity (relative density)	1.0 (25°C)
Flash point	None
Ignition point	None
Explosive limit	None
Melting point / freezing point	No data

**10. Stability and reactivity**

Stability	Stable in normal handling conditions (Indoor, room temperature)	
Possibility of a hazardous reactions	No information	
Conditions to avoid	Incompatible materials	Material was prohibited from mixing with water
	Hazardous decomposition products	No information

**11. Toxicological information**

Acute toxicity	No data	
Skin corrosion / irritation	No data	
Serious eye damage / eye irritation	No data	
Respiratory sensitization / skin sensitization	No data	
Germ cell mutagenicity	No data	
Carcinogenic	Not classified	
Reproductive toxicity	No data	
Specific target organ toxicity (single exposure)	No data	
Specific target organ toxicity (repeated exposure)	No data	
Aspiration hazard	No data	
The following shows the general harmful information of amorphous silica.		
【Amorphous silica】		
Irritative	Skin	weak irritant
	Eye	weak irritant
Acute toxicity (includes a 50% lethal dose, etc.)		
Smoke/Mist	Vein-Rat	LD <sub>50</sub> : 15 mg/kg
Melt	Oral-Rat	LD <sub>50</sub> : 3,160 mg/kg
	Vein-Mouse	LDL0 : 9 mg/kg
	Vein-Rabbit	LDL0 : 35 mg/kg
	Abdomen vagina- Guinea pig	LDL0 : 120 mg/kg
	Vein- Guinea pig	LDL0 : 100 mg/kg
Carcinogenic	Classified as Class 3 in LARC.	
Other	It have been reported that Inhalation fine powder (1~2 μ) cause pulmonary fibrosis, and become silicosis. However, the details of the mechanism is not yet clear.	

12. Ecological information		
Aquatic environment acute hazard		No data
Aquatic environment chronic hazard		No data
Biological toxicity	Fish toxicity	No data
Persistence / degradability	Bioaccumulation	No data
	Mobility in the soil	No data

13. Disposal considerations	
Residual waste	Avoid release to the environment. Disposal of contents and container must be in accordance with the criteria of the relevant laws and regulations.

14. Transport information		
International regulation	Maritime Regulatory Information	Non-hazardous materials
	Aviation regulatory information	Non-hazardous materials
National regulations (Japan)	Land regulatory information	Not applicable
	Maritime Regulatory Information	Non-hazardous materials
	Aviation regulatory information	Non-hazardous materials
Special safety measures	In case of stowing, give no damage. Reliably prevent collapse of cargo. Please make sure that there is nothing of any leaked liquid upon transportation. Be placed in a cool, dark place.	

15. Regulatory information	
Follow all regulations in your country.	
【In Japan】	
Industrial Safety and Health Act	

16. Other information	
<p>Data that has been described here are based on the latest knowledge and experience. The purpose of the safety data sheet is intended to provide information of how to use safety this product. Data that has been described here, does not guarantee any performance of the product.</p> <p>Notes are intended for normal using. In the case of special using, should be considered this point. In addition, this product has been containing water. Therefore, if you have long-term storage in a metal container, please note that there is a possibility that the container is corroded.</p>	

## 【References】

1. GHS data-base (NITE; National Institute of Technology and Evaluation)
2. SANGYO CHUDOKU-BINRAN (Written in Japanese) (SIKAYAKUSYUPPAN Co., Ltd)
3. Handbook of Danger and Harmful Chemical Substances  
(JISHA; Japan Industrial Safety and Health Association)
4. JIS Z 7253
5. Applicable laws and regulations
6. Other available data