

## Safety Data Sheet (SDS)

Date prepared 23-Sep-2016  
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Applicable products CHUKOH FLO™ Polyimide film adhesive tape  
API-111A, API-114A, API-114A FR, API-114A(ST), API-114D, API-117G, API-214A, API-214AE

### 1. Product and company identification

Product name See the applicable products above.  
Product code -  
Company name CHUKOH CHEMICAL INDUSTRIES, LTD.  
Address ATT New Tower 10F, 2-11-7, Akasaka, Minato-ku, Tokyo  
Telephone 03-6230-4414/81-3-6230-4417  
Fax 03-6230-4413/81-3-6230-4446  
Recommended use For industrial use  
Restrictions on use For industrial use  
Information on domestic manufacturers, etc. See above

### 2. Hazards identification

GHS Classification Not applicable  
GHS label elements Not applicable  
Pictures or symbols No information available  
Warning statements No information available  
Hazard information No information available  
Cautionary statements No information available  
Other hazards not related to or addressed by the GHS classification No information available  
Summary of important indications and possible emergencies No information available  
Other No information available

### 3. Composition/information on ingredients

Substance/Mixture Mixture

Chemical name or generic name	Concentration or concentration ranges	Reference No. in gazetted list in Japan		CAS No.
		Chemical Substances Control Law	Industrial Safety and Health Act	
Polyimide	30-87%	Not known	Not known	Non disclosure
Adhesive material of silicone group	11-70%	Not known	Not known	-

Ingredients contributing to GHS classification No information available

#### 4. First-aid measures

Inhalation	If fumes or dust from heating or processing are inhaled, remove to fresh air and keep at rest in a position comfortable for breathing. Call a doctor/physician. Seek medical advice/attention if necessary.
Skin contact	Take off contaminated clothing. Rinse skin with water/shower. Call a doctor/physician. Seek medical advice/attention if irritation occurs.
Eye contact	If particles or dust get in eye, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a doctor/physician. Seek medical advice/attention if irritation persists.
Ingestion	Rinse mouth. Do not induce vomiting. Give one or two cups of water or milk to drink. Call a doctor/physician. Seek medical advice/attention if pain or irritation persists. Never give anything by mouth to an unconscious person.
The most important manifestations of acute and delayed symptoms	No information available
Precautions necessary for the protection of persons who provide first-aid measures	No information available
Special precautions for physicians	No information available

#### 5. Fire-fighting measures

Appropriate fire extinguishing media	Powder, carbon dioxide (CO <sub>2</sub> ), foam, water spray, straight stream of water
Fire extinguishing media that should not be used in case of fire	No information available
Specific fire hazards	Fire may produce irritating or toxic gas.
Specific fire extinguishing methods	Keep unauthorized personnel away. Immediately move containers to a safe place, if movable. Cool surrounding containers, facilities, etc. with water spray to prevent fire spread. Extinguish upwind from the fire. Use fire extinguishing methods suitable to surrounding conditions. Take care not to release media used to extinguish fire to the environment.
Special protective equipment and precautions for firefighters	Wear suitable protective equipment (heat resistant gloves, protective eyeglasses and masks, self-contained breathing apparatus, heat resistant protective clothing, etc.) during firefighting.
Cautions	No information available

## 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Rope off the area where a leak has occurred to keep people away. Prohibit fire at the dangerous area.  
Wear suitable protective equipment (protective gloves, protective eyeglasses, protective mask, protective clothing, protective apron, etc.) when responding to spill and leak.  
Eliminate all ignition sources.  
Do not touch or walk through spilled material.  
Pay attention to slippery film when stepping on.  
Do not breathe dust.

Environmental precautions

Avoid discharge to rivers and environmental effects.

Methods and materials for containment and cleaning up

Break into small pieces. Collect if scatter. Dispose in accordance with Section 13.

Measures to prevent secondary accidents

No information available

## 7. Handling and storage

Handling

Technical measures

Install equipment in Section 8, Exposure controls/personal protection. Wear protective equipment.

Precautions for safe handling

Work in a well-ventilated place equipped with general and local exhaust ventilation.  
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
Static discharge may be readily generated at handling. Take precautionary measures against static discharge.  
Please be careful for a wound made by cutting with product's edge.  
Watch out for injury caused by fall of rolls during transportation of film.  
Do not breathe dust.  
Avoid contact with eyes and skin.  
Wash hands and face thoroughly after handling.

Avoidance of contact  
Hygiene measures

Not available  
Not available

Storage

Conditions for safe storage

No fire.  
Store in a closed container. Store in a dry, well-ventilated place.

Safe containers and packaging materials

No restriction for packaging materials. Use containers which will not be broken.

## 8. Exposure controls/personal protection

Control concentration  
Allowable concentration  
Engineering measures

Not set  
Provide eye-wash and hand-wash stations and safety showers near the workplace, if necessary.  
Provide general ventilation or local exhaust ventilation.

Protective equipment

Respiratory protection

Wear respiratory protection.  
Wear air-supplied respirators or gas mask for organic gas.

Hand protection	Wear eye protection.
Eye protection	Wear personal protective equipment including protective clothing and protective mask if necessary.
Skin and body protection	Wear personal protective equipment including protective clothing and protective mask if necessary.

## 9. Physical and chemical properties

### Appearance

Physical state	Solid
Color	Light brown

### Odor

Odorless

### Melting point/freezing point

Not available

### Boiling point, initial boiling point, and boiling range

Not available

### Flammability

Flame Retardancy

### Lower explosion limit and upper explosion limit/flammable limit

Lower

Not available

Upper

Not available

### Flash point

Not available

### Autoignition temperature

Not available

### Decomposition temperature

Not available

### pH

Not available

### Viscosity

Not available

### Solubility

Not available

### Partition coefficient (n-octanol

Not available

### Vapor pressure

Not available

### Density and/or relative density

Not available

### Relative gas density

Not available

### Particle characteristics

Not available

### Other data

Not available

## 10. Stability and reactivity

### Reactivity

Stable under normal handling conditions.

### Chemical stability

Stable under normal handling conditions.

### Possibility of hazardous reactions

Hazardous reactions will not occur under normal handling conditions.  
May produce heat with reaction to strong acids and strong alkali.

### Conditions to avoid

Keep away from heat and direct sunlight. No fire.

### Incompatible materials

Strong acids, strong bases

Hazardous decomposition products

Fire may produce irritating or toxic gas (CO, CO<sub>2</sub>, NO<sub>x</sub>, etc.).

## 11. Toxicological information

Acute toxicity		
	Oral	Not available
	Dermal	Not available
	Inhalation (vapor)	Not available
	Inhalation (dust)	Not available
Skin corrosion/irritation		Not available
Serious eye damage/eye irritation		Not available
Respiratory or skin sensitization		Not available
Germ cell mutagenicity		Not available
Carcinogenicity		Not available
Reproductive toxicity		Not available
Specific target organ toxicity (single exposure)		Not available
Specific target organ toxicity (repeated exposure)		Not available
Swallowing hazard		Not available

## 12. Ecological information

Ecotoxicity	Not available
	Handle with care as leakage or disposal may affect the environment. In particular, ensure that the product does not flow directly into the ground, rivers or drains.
Persistence and degradability	Not available
ecological accumulative property	Not available
Mobility in soil	Not available
Hazardous to the ozone layer	Not available

## 13. Disposal considerations

Waste from residues	Dispose in accordance with applicable laws and regulations and standards of local governments. Entrust the disposal to a licensed waste disposal contractor or a local public body who conducts the disposal. When entrusting the disposal to a disposal contractor, notify the danger and toxicity thoroughly to the contractor.
Contaminated container and packaging	Dispose in accordance with applicable laws and regulations and standards of local governments.

## 14. Transport information

UN number	Not dangerous goods
Item (UN transport name)	Not dangerous goods
UN Classification	Not dangerous goods
Container grade	Not dangerous goods
marine pollutant	Not dangerous goods
Liquid substances transported in bulk according to MARPOL 73/78 Annex II and IBC Code	Not dangerous goods

Special safety measures for transportation or means of transportation	Confirm that there is no damage, corrosion, or leakage of the containers before transportation. Avoid direct sunlight at transportation. Load containers not to cause damage, corrosion or leakage and thoroughly prevent load collapse. Do not stack heavy objects.
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Regulatory information on domestic regulations, if any	Not applicable
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#### 15. Regulatory information

Applicable laws and regulations and information on requirements imposed by such laws and regulations

Pollutant Release and Transfer Register (PRTR)	Not applicable
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Industrial Safety and Health Law	Not applicable
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Poisonous and Deleterious Substances Control Act	Not applicable
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Other applicable laws and regulations and information on requirements imposed by	Not applicable
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#### 16. Other information

Hazard statements herein are made based on the assumption of industrial use and general handling. Handle with care at the actual use by referring to the hazard statements herein.

Restrictions on use	This product is not intended for medical use. Do not use this product for implant or in a way that will contact with the body fluid or tissue. Consult with us in advance if it is expected to use the product in medical field.
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References	SDS made by raw material manufacturers.
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The information herein may be revised if any new findings are obtained.  
Values of concentration and physical and chemical properties are not guaranteed values.  
Hazards identification was prepared based on the documents, information and data available at the time of preparation, but it does not mean that all documents, information and data are covered.