

## Safety Data Sheet (SDS)

Date prepared 23-Sep-2016

Date revised 8-Feb-2017

Applicable products                      Chukoh Flo®Polyimide Film Adhesive Tapes                      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.  
 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 and restrictions on use                      For industrial use

**2. Hazards identification**

GHS Classification

Not applicable

**3. Composition/information on ingredients**

Substance/Mixture                      Mixture

Chemical name or generic name	Concentration or concentration ranges	Chemical formula	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
Silicone adhesive	11-70%	Not identifiable	Not known	Not known	-

Impurities and stabilizing additives which contribute to the classification of the substance                      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.

**5. Fire-fighting measures**

Extinguishing media                              Powder, carbon dioxide (CO2), foam, water spray, straight stream of water

Specific hazards                                      Fire may produce irritating or toxic gas.

Specific fire-fighting procedures		<p>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.</p>
Special protective equipment and precautions for firefighters		<p>Wear suitable protective equipment (heat resistant gloves, protective eyeglasses and masks, self-contained breathing apparatus, heat resistant protective clothing, etc.) during firefighting.</p>
<b>6. Accidental release measures</b>		
Personal precautions, protective equipment and emergency procedures		<p>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.</p>
Environmental precautions		<p>Avoid discharge to rivers and environmental effects.</p>
Methods and materials for containment and cleaning up		<p>Break into small pieces. Collect if scatter. Dispose in accordance with Section 13.</p>
<b>7. Handling and storage</b>		
Handling	Technical measures	<p>Install equipment in Section 8, Exposure controls/personal protection. Wear protective equipment.</p>
	Precautions for safe handling	<p>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.</p>
	Avoidance of contact	<p>Not available</p>
	Hygiene measures	<p>Not available</p>
Storage	Conditions for safe storage	<p>No fire.          Store in a closed container. Store in a dry, well-ventilated place.</p>
	Safe containers and packaging materials	<p>No restriction for packaging materials. Use containers which will not be broken.</p>
<b>8. Exposure controls/personal protection</b>		
Allowable concentration		<p>Not set</p>
Engineering measures		<p>Provide eye-wash and hand-wash stations and safety showers near the workplace, if necessary.          Provide general ventilation or local exhaust ventilation.</p>
Protective equipment	Respiratory protection	<p>Wear respiratory protection (dust mask, etc.).</p>
	Hand protection	<p>Wear protective gloves.</p>

Eye protection                      Wear protective eyeglasses, goggles, etc.

Skin and body protection        Wear protective clothing, protective apron, safety shoes, etc.

9. Physical and chemical properties

Appearance	Physical state	Solid
	Form	Tape
	Color	Light brown
Odor		Not available
Odor threshold		Not available
pH		Not available
Melting point/freezing point		Not available
Boiling point, initial boiling point,		Not available
Flash point		Not available
Evaporation rate (butyl acetate=1)		Not available
Flammability (solid, gas)		Flame Retardancy
Flammable/explosive limit	Lower	Not available
	Upper	Not available
Vapor pressure		Not available
Vapor density (Air=1)		Not available
Specific gravity (density)		Not available
Solubility		Not available
Partition coefficient (n-octanol/water)		Not available
Autoignition temperature		Not available
Decomposition temperature		Not available
Viscosity		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.
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, CO2, NOx, 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 sensitization		Not available
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
Aspiration hazard		Not available

12. Ecological information

Hazardous to the aquatic environment (acute)	Not available
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Hazardous to the aquatic environment (long-term) 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  
 International regulations

Marine transportation  
 Air transportation

Comply with provisions of IMO.  
 Comply with provisions of ICAO/IATA.

Domestic regulations (Japan)

Land transport regulations  
 Marine transport  
 Air transport regulations

Comply with Fire Service Act  
 Comply with Ship Safety Act  
 Comply with Civil Aeronautics Act

Special safety measures

Confirm that there is no damage, corrosion, or leakage of the containers before transportation.  
 Load containers without tumbling, falling, and damaging, and thoroughly prevent containers from load collapse.  
 Avoid transportation under direct sunlight and heat.  
 Transport in accordance with standards of other related regulations.

Emergency Response Guidebook No.

None

15. Regulatory information

None applicable

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.

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.