

## SAFETY DATA SHEET

Date Prepared : 03/18/2013  
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### ***SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION***

Product name : CP806AM-16AC (Anisotropic conductive film)  
Manufacturer : Dexerials Corporation  
Address : 1724 Shimotsuboyama, Shimotsuke-shi,  
Tochigi 323-0194, Japan  
Phone: +81-285-39-7950 Fax: +81-285-47-3242

### ***SECTION 2. HAZARDS SUMMARIZE***

#### Classification of hazardous

Not applicable to GHS classification due to Article

#### Emergency overview

In case heat adhesion of this product is carried out, there is a possibility that the remains solvent contained in a product may serve as fumes and gasses.

Don't inhale the fume and gases by using suitable ventilation system.

Direct contact may cause irritation to eyes and skin, and skin sensitization because the product contains denatured epoxy resin and Bisphenol epoxy resin.

Nickel powder contained in a product is possibly carcinogenic to humans.

#### Potential health effects

##### Skin/Eyes contact

Direct contact to adhesive layer may cause irritation and skin sensitization.

##### Ingestion/Inhalation

Fumes and gasses with a possibility of generating at the time of heat adhesion stimulate the skin, an eye, and a throat.

##### Chronic effects/Carcinogenicity

None has known as product.

It is known denatured epoxy resin and Bisphenol epoxy resin is positive at the Mutagenicity test.

Nickel particles, which are fixed in adhesive layer, do not make any harm to human body. (IARC has reported that nickel powder is possibly carcinogenic to humans.)

### ***SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS***

#### Components (% Chemical component by WT.)

Substance	CAS#	Concentration
Denatured epoxy resin	Trade Secret	1~10%
Bisphenol epoxy resin	Trade Secret	20~30%
Phenoxy resin	Trade Secret	10~20%
Elastomer	Trade Secret	30~40%
Hardener	Trade Secret	10~20%
Au/Ni plated plastic particles	Trade Secret	1~10%
Others	Trade Secret	1~10%

## ***SECTION 4. FIRST AID MEASURES***

### Inhalation

When fumes and gasses are inhaled, it moves to the place of fresh air and strives for quiet. You should consult a doctor depending on your condition.

### Eye contact

In case of contact with eyes, rinse immediately with plenty of water.  
If irritation persists, seek medical attention.

### Skin contact

Flush with large amounts of water. Use soap if available.  
If irritation persists, seek medical attention.

### Ingestion

As supplied, product is a solid material and would not in practice be ingested.

## ***SECTION 5. FIRE-FIGHTING MEASURES***

### Extinguish media

Water spray, Carbon dioxide, Dry chemical powder or Foam

### Prohibited Extinguishing media

No information

### Firefighting instruction

Wear positive pressure, self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.  
Evacuate area and fight fire from a safe distance.

## ***SECTION 6. ACCIDENTAL RELEASE MEASURES***

As supplied, product is a solid material and would not in practice be released

## ***SECTION 7. HANDLING AND STORAGE***

### Handling

Don't contact directly to the adhesive face without wearing protective gloves.  
When product is heated, handle it in a well-ventilated area not to inhale the vapor.

### Storage

Store in a cool (below 5 °C), dry location away from strong acids and strong oxidizing agents.

## ***SECTION 8. EXPOSURE CONTROLS, PERSONAL PROTECTION***

### Engineering controls

Suitable ventilating equipment should be installed at working area where product is heated and pressed.

### Personal protection

Protective gloves: Wear appropriate gloves to prevent direct contact, because of irritation.

Protective glasses: Suitable safety glasses is recommended not to injure eyes by edges of the sheet.

### Exposure guideline

No data as product

As Ni : ACGIH TLV-TWA	1.5mg/m <sup>3</sup>	(Inhalable Fraction)
WEL Long-term value	0.5mg/m <sup>3</sup>	

## ***SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES***

Appearance	:	Solid (Adhesive tape)
Color	:	Pale yellow
Odor	:	Characteristic
Flash point	:	No data
Auto ignition temperature	:	No data
Boiling point	:	Not applicable
Vapor pressure	:	Not applicable
Melting point	:	Not determined
Solubility in water	:	Insoluble in water
Specific gravity	:	Not applicable

## ***SECTION 10. STABILITY AND REACTIVITY***

### Stability

Stable under normal handling conditions

### Incompatibility

Strong acids and strong oxidizing agents

### Hazardous decomposition products

Carbon monoxide, Carbon dioxide, Nitrogen oxides

### Hazardous polymerization

It will not occur.

## ***SECTION 11. TOXICOLOGICAL INFORMATION***

As product

### Acute effects

No information as product

### Chronic effects

No information as product

### Toxicity data

No data as product

As epoxy resins

### Acute effects

Irritant, Skin sensitization

### Chronic effects

Unknown

### Target organ

Unknown

### Toxicity data

ORL-RAT LD<sub>50</sub> > 2000 mg/Kg

SKN-RBT LD<sub>50</sub> > 2000 mg/Kg

As Nickel

### Carcinogenicity information

IARC	Japan	ACGHI
2B	2B	A5

### Acute effects

Unknown

### Chronic effects

Unknown

### Toxicity data

No data

## ***SECTION 12. ECOLOGICAL INFORMATION***

Ecotoxicological information

Unknown

Other harmful information

Unknown

## ***SECTION 13. DISPOSAL CONSIDERATIONS***

Disposal should be made in accordance with federal, state and local regulations.

## ***SECTION 14. TRANSPORT INFORMATION***

UN NO.	:	Not listed
International classification	:	Not relevant

## ***SECTION 15. REGULATORY INFORMATION***

Export control law in Japan: Under control item of Catch-all regulation.

Other regulatory information

We are not able to check up the regulatory information in regard to the substances in your country or region, therefore, we request this matter would be filled by your responsibility.

## ***SECTION 16. OTHER INFORMATION***

Reference

SDS of each component issued by material makers

The information herein is the best of our knowledge and is only related to this specific product. No warranty, either expressed or implied, is made with respect to such information. The recommended handling procedures are believed to be generally applicable. However, it is user's responsibility to review these recommendations in the specific content of the intended use. We reserve the right to revise this SDS as new information become available. It is recommended to ask for the latest version to our sales division.

End of SDS