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## MATERIAL SAFETY DATA SHEET

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### SECTION 1 PRODUCT IDENTIFICATION

PRODUCT NAME :    Photoconductor for FP-77series,

PRODUCT NO. :    FQ-HK20 (FFPGJ0007),

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### SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS

<u>INGREDIENTS</u>	<u>CAS #</u>	<u>PROPORTION</u>		<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>OTHER</u>
			<u>(% by wt.)</u>			
<u>LIMITS</u>						
Substrate						
Aluminum alloy		> 98		None established	None established	None
Coating layer						
Binder layer		< 1		None established	None established	None
Organic semiconductor		< 1		None established	None established	None

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### SECTION 3 HAZARD IDENTIFICATION

EMERGENCY OVERVIEW : Dark red colored aluminum cylinder, with no odor.

POTENTIAL HEALTH EFFECTS :

  INHALATION EFFECTS : Not applicable under intended use.

  INGESTION EFFECTS : Not applicable under intended use.

  EYE EFFECTS : Not applicable under intended use.

  SKIN EFFECTS : No corroding or irritating effect is expected.

  CHRONIC EFFECTS : Not identified.

  MEDICAL CONDITIONS GENERALLY KNOWN TO BE AGGRAVATED BY EXPOSURE : Not identified.

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

SKIN CONTACT : In case of contact, wash skin with water and soap .  
INGESTION : If needed, get medical attention.  
INHALATION : If needed, get medical attention.  
EYE CONTACT : Flush with plenty of water.  
NOTE TO PHYSICIANS : None

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#### **SECTION 5 FIRE FIGHTING MEASURES**

FIRE FIGHTING MEASURES :  
EXTINGUISHING MEDIA : CO<sub>2</sub>, Dry chemical, Foam or Water.  
UNSUITABLE EXTINGUISHING MEDIA : None  
SPECIAL FIRE FIGHTING PROCEDURES : None  
UNUSUAL FIRE AND EXPLOSION HAZARDS : None  
FIRE AND EXPLOSIVE PROPERTIES :  
FLASH POINT : Not applicable.  
FLAMMABLE LIMITS : Not applicable.  
AUTOIGNITION TEMPERATURE : Not applicable.  
FLAMMABILITY : Not flammable.  
AUTOFLAMMABILITY : None  
EXPLOSIVE PROPERTIES : None  
OXIDIZING PROPERTIES : None  
HAZARDOUS COMBUSTION PRODUCTS : Carbon monoxide and Carbon dioxide.  
OTHER PROPERTIES : None

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

PERSONAL PRECAUTIONS : Not applicable under intended use.  
ENVIRONMENTAL PRECAUTIONS : Not applicable under intended use.  
METHOD FOR CLEANING UP : Not applicable under intended use.

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

HANDLING : None of safe handling advice.  
STORAGE : Keep at temperature not exceeding 32°C.

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#### **SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

EXPOSURE GUIDELINES : None  
ENGINEERING CONTROLS : Not required.  
PERSONAL PROTECTION EQUIPMENTS :  
SKIN PROTECTION : Not required.  
RESPIRATORY PROTECTION : Not required.  
EYE/FACE PROTECTION : Not required.

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**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE : Dark red colored aluminum cylinder  
ODOR : No odor  
BOILING POINT (°C) : Not applicable  
MELTING POINT (°C) : 100°C or higher  
DECOMPOSITION TEMPERATURE : No data available  
VAPOR PRESSURE (mm Hg.) : Negligible  
VAPOR DENSITY (AIR = 1) : Not applicable  
DENSITY (AIR = 1) : No data available  
pH : Not applicable  
SOLUBILITY IN WATER : Negligible  
FAT SOLUBILITY : Partially soluble in ketones, esters and aromatic solvents.  
PARTITION COEFFICIENT : Not soluble in water and n-octanol  
PERCENT VOLATILE : Negligible  
EVAPORATION RATE : Not applicable

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**SECTION 10 STABILITY AND REACTIVITY**

STABILITY : Stable  
CONDITIONS TO AVOID : None  
MATERIALS TO AVOID : None  
HAZARDOUS DECOMPOSITION PRODUCTS : None  
HAZARDOUS POLYMERIZATION : Will not occur.  
CONDITIONS TO AVOID : None

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**SECTION 11 TOXICOLOGICAL INFORMATION**

ACUTE TOXICITY :  
SKIN : No data available.  
INGESTION : No data available.  
INHALATION : No data available.  
EYES : No data available.  
SENSITIZATION : No data available.  
MUTAGENICITY : All components of the photoconductive coating have been subjected to the "Ames test", and shown to have no harmful effect.(Test Negative)  
REPRODUCTIVE TOXICITY : No data available.  
CARCINOGENICITY : No carcinogen or potential carcinogen, according to IARC Monographs, NTP and OSHA(USA) regulation.  
OTHERS : None

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**SECTION 12 ECOLOGICAL INFORMATION**

MOBILITY : No data available  
PERSISTENCE : No data available  
BIOACCUMULATION : No data available  
ECOTOXICITY : No data available  
OTHER ADVERSE EFFECTS : No data available

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**SECTION 13 DISPOSAL CONSIDERATIONS**

WASTE DISPOSAL METHOD : Dispose under conditions which meet all federal, state and local environmental control regulations.

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**SECTION 14 TRANSPORT INFORMATION**

UN NUMBER : None  
UN SHIPPING NAME : None  
UN CLASSIFICATION : None  
UN PARKING GROUP : None  
SPECIAL PRECAUTIONS : None

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**SECTION 15 REGULATORY INFORMATION**

No information

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**SECTION 16 OTHER INFORMATION**

No information

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These data described solely the safety requirements for the product and are based on the present state of our knowledge. They provide no guarantee of the product described within the meaning of the legal guarantee regulations.