SAFETY DATA SHEET

According to Model Work Health and Safety Regulations and National Model Code of Practice for the preparation of Safety Data Sheets for Hazardous Chemicals

Version 1.0

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Section 1—Identification

Product identifier	Panchroma™ CoPE
Other means of identification	-
Recommended use	3D printing materials
Restrictions on use	-
Details of manufacturer or importer	
Supplier(Manufacturer):	JF Polymers(Suzhou) Co., Ltd.
Address:	No. 7-1 Xinggang East Road, Changshu City, Jiangsu Province, China.
Contact person(E-mail):	Support@polymaker.com
Telephone:	+86-512-42058005
Fax:	+86-512-52096516
Emergency number:	-
Importer	
Company name:	
Address:	
Contact person(E-mail):	
Telephone:	
Fax:	
Emergency number:	

Section 2—Hazard(s) identification

GHS classification:	
Physical hazards:	Not classified
Health hazards:	Not classified
Environmental hazards:	Not classified
GHS label elements:	
Hazard Pictograms: :	No hazard pictogram is used.
Signal word:	No signal word is used.
Hazard statement:	Not applicable.
Precautionary statement:	
Prevention:	Not applicable.
Response:	Not applicable.
Storage:	Not applicable.
Disposal:	Not applicable.
Other hazards which do not result in classification:	Not applicable.

Section 3—Composition and information on ingredients

Components	CAS No.	Percent (%)
Thermoplastic Polyester	-	90 – 99

Ethylene-octene copolymer compatibilizer	-	1 – 5
polyurethane	9009-54-5	1 – 4

Section 4—First aid measures

Description of necessary first aid measures

Inhalation:	Remove person to fresh air and keep comfortable for breathing.
Skin:	Wash skin with plenty of water.
Eye:	Rinse eyes with water as a precaution.
Ingestion:	Call a poison center or a doctor if you feel unwell.
Symptoms caused by exposure	None under normal conditions.
Medical Attention and Special Treatment	Treat symptomatically.

Section 5—Firefighting measures

Suitable extinguishing media:	Water spray. Dry powder. Foam.
Extinguishing media which must not be used for safety reasons:	Do not use a heavy water stream.
Specific hazards arising from the chemical	In case of fire, the following can be released: carbon oxides.
Special protective equipment and precautions for firefighters	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
HAZCHEM code	None.

Section 6—Accidental release measures

Personal precautions:	Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Ventilate the area. Wear suitable protective clothing.
Containment procedures:	Should not be released into the environment. Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities.
Methods for cleaning up:	Sweep up and shovel into suitable containers for disposal. Avoid dust formation. Keep in properly labelled containers. Keep in suitable, closed containers for disposal.

Section 7—Handling and storage

Precautions for safe handling:	Avoid contact with skin and eyes. Keep away from sources of ignition - No smoking. Take measures to prevent the buildup of electrostatic charge. Do not eat, drink and smoke in work areas. Ensure good ventilation of the work station.
Conditions for safe storage, including any incompatibilities	Store in original container. Keep in a well-ventilated place. Keep in a dry place. Keep in properly labelled containers. Keep container closed.

Section 8—Exposure controls and personal protection

Control parameters

Occupational exposure limits	No exposure limits noted for ingredient(s).
Biological limit values:	No biological exposure limits noted for the ingredient(s).
Appropriate engineering controls:	Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.
Personal protective equipment:	
Eye and face protection	Safety glasses.
Skin protection	Wear protective clothing.

Hand protection	Protective gloves.
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment.
Thermal hazards	Wear suitable protective workwear to prevent from thermal hazards.

Section 9—Physical and chemical properties

Appearance:	
Physical state:	Solid
Form:	Solid
Color:	Various colours
Odor:	Odourless
Odour threshold:	Not available
PH:	Not available
Melting point/Freezing point:	Not available
Initial boiling point and boiling range:	Not available
Flash point:	Not available
Evaporation rate:	Not available
Flammability (solid, gas) :	Non flammable.
Upper/lower flammability or explosive limits:	Not available
Vapor pressure:	Not available
Vapor density:	Not available
Relative density:	1.3
Bulk density:	Not available
Solubility (H_2O) :	Not available
Partition coefficient (n-octanol/water) :	Not available
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
Viscosity, dynamic:	Not available
Organic solvents:	Not available
Water:	Not available
VOC (EC) :	Not available
Solids contents:	Not available
Molecular Formula:	Not available
Molecular Weight:	Not available
Particle size:	Not available

Section 10—Stability and reactivity

Reactivity:	The substance is stable under normal storage and handling conditions.
Chemical stability:	Stable at room temperature in closed containers under normal storage and handling conditions.
Possibility of hazardous reactions:	No dangerous reactions known.
Conditions to avoid:	Incompatible materials.
Incompatible materials:	Strong oxidizing agents.
Hazardous decomposition products:	Carbon monoxide, carbon dioxide.

Section 11—Toxicological information

Toxicological data:	
Acute toxicity:	
LD50(Oral, Rat):	Not available

LD50(Dermal, Rat):	Not available
LC50(Inhalation, Rat):	Not available
Skin corrosion/Irritation:	No data available.
Serious eye damage/irritation:	No data available.
Respiratory or skin sensitization:	No data available.
Germ cell mutagenicity:	No data available.
Carcinogenicity:	No data available.
Reproductive toxicity:	No data available.
STOT- single exposure:	No data available.
STOT-repeated exposure:	No data available.
Aspiration hazard:	No data available.
Other information	This product has no known adverse effect on human health.
Information on routes of exposure	No data available.
Symptoms related to exposure	No data available.
Numerical measures of toxicity	No data available.
Immediate, delayed and chronic health effects from exposure	No data available.

Section 12—Ecological information

Ecotoxicity:

Acute toxicity		Time	Species	Method	Evaluation	Remarks
LC50	N/A	96h	Fish	OECD 203	N/A	N/A
EC50	N/A	48h	Daphnia	OECD 202	N/A	N/A
EC50	N/A	72h	Algae	OECD 201	N/A	N/A

Persistence and degradability:	Not available.
Bioaccumulative potential:	Not available.
Mobility in soil:	Not available.
Other adverse effects:	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

Section 13—Disposal considerations

Safe handling and disposal methods:	Collect and reclaim or dispose in sealed containers at licensed waste disposal site.
Disposal of any contaminated packaging:	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions). Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

Section 14—Transport information

ADG

UN number	Not regulated
Proper shipping name	Not regulated
Hazard class	Not regulated
Packing group	Not regulated
Labels required	Not regulated
Special precautions	Read safety instructions, SDS and emergency procedures before handling.

IATA

UN number	Not regulated
Proper shipping name	Not regulated
Hazard class	Not regulated
Packing group	Not regulated
Special precautions	Read safety instructions, SDS and emergency procedures before handling.

IMDG

UN number	Not regulated
Proper shipping name	Not regulated
Hazard class	Not regulated
Packing group	Not regulated
Environmental hazards	
Marine pollutant	No
Special precautions	Read safety instructions, SDS and emergency procedures before handling.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:	Not regulated

Section 15—Regulatory information

Safety, health and environmental regulations

National regulations

Australian Inventory of Industrial Chemicals (AIIC)

Thermoplastic Polyester (CAS -)	Not available
Ethylene-octene copolymer compatibilizer (CAS -)	Not available
polyurethane (CAS 9009-54-5)	Not listed

Section 16—Any other relevant information

Indication of changes:	Version 1.0
Key abbreviations or acronyms used:	CAS: Chemical Abstracts Service LC50: Lethal Concentration 50 EC50: Concentration for 50% of maximal effect LD50: Lethal dose 50% MAC: maximum allowable concentration，MAC) PC-TWA: permissible concentration-time weighted average PC-STEL: permissible concentration-short term exposure limit
Further information:	This information is based upon the present state of our knowledge. This MSDS has been compiled and is solely intended for this product.
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