

# MATERIAL SAFETY DATA SHEET

MSDS\_INK  
Version no.:01

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

<b>Intended use</b>	:	
<b>Company information</b>	:	
	:	
<b>Emergency Information</b>	:	
	:	

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

**General chemical description:**

Inkjet ink

**Base substances of preparation:**

Components	CAS#	Weight %
pigment	1333-86-4	1-15%
Tetrahydrofurfuryl acrylate	2399-48-6	10-30%
Acrylate Monomers	66492-51-1	10-30%
Acrylate oligomers	68987-79-1	1-40%
Photopolymerization initiator	75980-60-8	5-10%

**Declaration of the preparation:**

The inkjet ink preparation isn't classified as dangerous and it contains no hazardous material.

## 3. HAZARDS IDENTIFICATION

<b>HMIS CODES</b>	:	H F R P 1 1 1 C
<b>INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE</b>		
<b>INHALATION</b>	:	None reported or known to exist for the product unless listed here.
<b>SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE</b>		
<b>EYE/SKIN</b>	:	May cause irritation.
<b>INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE</b>		
<b>INGESTION</b>	:	May cause gastrointestinal irritation, vomiting, nausea and diarrhea.
<b>HEALTH HAZARDS (ACUTE AND CHRONIC)</b>		
<b>ACUTE</b>	:	Moderate eye and skin irritation.
<b>CHRONIC</b>	:	None known or determined for the product.

## 4. FIRST AID MEASURE

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SWALLOWED	:	Do not Induce vomiting and call a doctor
SKIN CONTACT	:	Wash contaminated areas with soap and water
EYE CONTACT	:	Flush eyes thoroughly with water. Seek medical attention if irritation persists.
INHALED	:	Remove from the area of exposure

### 5. FIRE FIGHTING MEASURES

FLASH POINT AND METHOD	:	>93°C open cup
FLAMMABLE LIMITS IN AIR	:	NA
FIRE EXTINGUISHING MEDIA	:	Dry Chemical foam, CO <sub>2</sub> , Water spray(fog)
FIRE FIGHTING EQUIPMENT	:	Wear full bunker including self contain breathing apparatus to avoid exposure to smoke and vapors.
UNUSUAL FIRE AND EXPLOSION HAZARDS	:	NA

### 6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:  
Absorb in paper or other absorbent and place into closed containers.  
Flush area with plenty of water

### 7. HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING		
STORAGE CONDITION	:	5°C-40°C, RH 40-85%
SPECIAL SENSITIVITY	:	Heat, light, moisture
PRECAUTIONS	:	Keep container closed. Store away from traffic.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

RESPIRATORY PROTECTION	:	Not necessary
VENTILATION	:	Mechanical ventilation is acceptable.
PROTECTIVE GLOVES	:	Rubber
EYE PROTECTION	:	Goggles or safety glasses with side shields
OTHER PROTECTIVE CLOTHING OR EQUIPMENT	:	Impervious clothing where skin contact is unavoidable; eyewash station.
WORK/HYGIENIC PRACTICES	:	Avoid contamination of food, drink etc. No smoking when handling.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT	:	No data available
SPECIFIC GRAVITY (H <sub>2</sub> O=1)	:	> 1
RELATIVE VAPOR DENSITY (Air=1)	:	> 1
RELATIVE EVAPORATION RATE (BUTYL ACETATE =1)	:	> 1
PHYSICAL STATE	:	Liquid
ODOR	:	slight
SOLUBILITY IN WATER	:	Insoluble

### 10. REACTIVITY

STABILITY	:	Stable
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CONDITIONS TO AVOID	:	None known
INCOMPATIBILITY(Materials to Avoid)	:	Oxidizing materials and strong acids.
HAZARDOUS DECOMPOSITION OR BYPRODUCTS	:	Oxides of Carbon and nitrogen
HAZARDOUS POLYMERIZATION	:	None

### 11. TOXICOLOGICAL INFORMATION

No information available

### 12. ECOLOGICAL INFORMATION

No information available

### 13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD	:	Dispose of in accordance with all local, state or federal regulations.
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### 14. TRANSPORTATION INFORMATION

Not a regulated article under RID/ADR, IMDG and ICAO/IATA

### 15. REGULATORY INFORMATION

OSHA STATUS	:	Product not tested. But is considered to be of relatively low toxicity.
TSCA STATUS	:	This product meets the requirements of the Toxic Substances Control Act.
SARA TITLE III	:	Product not listed. SARA listed ingredients at or above De Minim is reporting levels are noted in paragraph 2, if any.
RCRA HAZARDOUS WASTE NUMBER /STATUS	:	If discarded in its purchased form, this product would not be a federal hazardous waste either by listing or by characteristic. States, however, often have stricter criteria. Users should check with their state regulatory agencies for current hazardous waste criteria. Under RCRA it is the responsibility of the product user to determine at the time of disposal whether a material containing the product or derived from the product should be classified as a hazardous waste (40CFR261 20-24).
67/548/EEC And 1999/45/EC	:	Product isn't classified as dangerous.
(EU) 2015/863 RoHs	:	This product meets the requirements of RoHs
REACH Regulation (EC) No 1907/2006	:	This product meets the requirements of the REACH .It does not contain SVHC and substances listed in the appendix XVII.

### 16. OTHER INFORMATION

All information appearing herein is based upon data obtained from the manufacturer and/or recognized technical sources. This information is believed to be correct, but does not purport to be all inclusive and shall be used only as a guide. We do not make any warranty, express or implied, as to the accuracy or completeness of this information. It is the user's responsibility to determine the suitability of this information for the adoption of necessary safety precautions and/or compliance with federal, state, and local laws and regulations.