

# MATERIAL SAFETY DATA SHEET

DTF PIGMENT INK

## SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Product name: DIRECT FILM PIGMENTED INK FLUSH

CAS No.: Variable

Company Name:

## SECTION 2 - COMPOSITION / INFORMATION ON INGREDIENTS

COLOR	INGREDIENT	CAS #	% BY WEIGHT
FLUSH	COLORANT	TRADE SECRET	46
	GLYCERIN	56-81-5	10
	SURFACTANT	14432-38-7	7
	H2O	7732-18-5	34

## SECTION 3 - HAZARDOUS INGREDIENTS

### Effects of a single overexposure:

Swallowing:

No evidence of harmful effects from available information.

Skin absorption:

No evidence of harmful effects from available information.

Inhalation:

Trace component and residual monomer vapours may be irritating to the eyes, mucous membrane, respiratory tract, and may product symptoms of headache, nausea in poorly ventilated areas.

Skin contact:

Prolonged contact may cuase transient reddening og the skin.

Eye contact:

Direct contact may cause eye irritation.

### Effects of repeated overexposure:

No evidence of harmful effects from available information.

### Medical conditions aggravates by overexposure:

A knowledge of the available toxicology information and of the physical and chemical properties of the matter suggests that overexposure is unlikely to aggravate existing medical conditions

## SECTION 4 – FIRST AID MEASURES

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### **Swallowing:**

No harmful effects expected.

### **Inhalation:**

No emergency care anticipated.

### **Skin contact:**

Wash skin with soap and water until water is no longer cloudy. If clothing is soaked, remove and wash before reuse.

### **Eye contact:**

Immediately flush eyes with plenty of water. Get medical attention if irritation persists.

### **Notes to physician:**

Toxicology studies have shown this or similar material to be of very low acute toxicity. There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patients.

## SECTION 5 – FIRE FIGHTING MEASURES

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### **Extinguishing Media:**

This product is a non-flammable aqueous emulsion. Use alcohol-type or all-purpose-type foams applied by manufacturer's recommended techniques for large fires. Use carbon dioxide or dry chemical media for small fires.

### **Special Fire Fighting Procedures:**

None.

Wenzhou Sanjie Stationery Page 4 of 5

### **Special Protective Equipment for Firefighters:**

Use self-contained breathing apparatus when fighting fires in enclosed areas

### **Unusual Fire and Explosion Hazards:**

Product will not burn but may spatter if temperature exceeds boiling point of water. Dried solids can burn giving off oxides of carbon

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

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Steps to be taken if material is released or spilled. Restrict the area to only those personnel needed. Major spills should be collected for disposals. Minor spills may be flushed to sewer if permitted by national, state and local regulations.

## SECTION 7 – STORAGE AND HANDLING

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**Storage Temperature:** ≤ 50°C

**Shelf Life:** one year

**Special Sensitivity:**

No available information

**Handling and Storage:**

Use under ventilated conditions. For personal protection, wash thoroughly after handling product. Wash hands before eating, smoking or using toilet facilities.

**Precautions:**

Avoid eye and skin contact. Keep container closed when not being used.

## SECTION 8 – EXPOSURE CONTROL/PERSONAL PROTECTION

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**Exposure Limits:**

None known.

**Eye Protection:**

Wear splash goggles where spill or splashing may occur.

**Skin Protection:**

Not required.

**Respiratory and Ventilation:**

Wear approved NIOSH respirator if exposure to mist or vapors exceeds applicable PEL/TLV limits.  
Use in accordance with manufacturer's use limitations and OSHA regulations.

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**SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

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<b>BOILING RANGE:</b>	~100 °C	<b>EVAPORATION RATE:</b>	Slower than ether
<b>SOLUBILITY IN WATER:</b>	Miscible.	<b>VAPOR DENSITY:</b>	Unknown
<b>APPEARANCE AND ODOR:</b>	white color with a mild odor.	<b>VAPOR PRESSURE:</b>	3 mm Hg
<b>LIQUID DENSITY:</b>	1.2kg/L	<b>VISCOSITY:</b>	<10 cPs
<b>FILTRATION:</b>	≤ 1000 nm	<b>SURFACE TENSION:</b>	~ 45 dyn/cm

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**SECTION 10 – STABILITY AND REACTIVITY**

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**STABILITY:**

Stable at ambient temperature and under normal conditions of use

**MATERIALS TO AVOID:**

None

**CONDITIONS TO AVOID:**

None.

**INCOMPATIBILITY:**

No available information

**HAZARDOUS DECOMPOSITION PRODUCTS:**

None

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**SECTION 11 –TOXICOLOGICAL INFORMATION**

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**Health Effects:**

No available information

**Inhalation:**

No available information

**Skin Contact:**

No available information

**Eye Contact:**

No available information

**Ingestion:**

No available information

**Further information:**

No available information

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**SECTION 12 – ECOLOGICAL INFORMATION**

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NO ECOLOGICAL ISSUES LIKELY

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**SECTION 13 – DISPOSAL CONSIDERATION**

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**Waste Disposal Method:**

Dispose of all waste materials in accordance with all applicable federal, state and local regulations for the disposal of aqueous wastes. Do not flush liquid into public sewer or water systems.

**NOTE:**

The user's attention is drawn to the possible existence of national or local regulations regarding disposal

## SECTION 14 –TRANSPORT INFORMATION

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**DOT Proper shipping name:**

**DOT Technical name:**

Not regulated.

**OCEAN (IMDG):**

Not regulated.

**AIR (IATA):**

Not regulated.

**WHMIS (CANADA):**

Not regulated.

**NOTE:**

The above regulatory prescriptions are those valid on the date of publication of this sheet. it would be advisable to check their validity with your commercial agency

## SECTION 15 –REGULATORY INFORMATION

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**OSHASTatus:**

Not applicable

**TSCASTatus:**

Not applicable

**CERCLA Reportable Quantity:**

Not applicable

**SARA Title III:**

Not applicable

**Section 302 Extremely Hazardous Substances:**

Not applicable

**Section 311/312 Hazard Categories:**

Not applicable

**Section 313 Toxic Chemicals:**

Not applicable

**RCRAStatus:**

Not applicable

**State Regulatory Information:**

Not applicable

## SECTION 15 –OTHER INFORMATION

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Please consult the relevant product and/or application information for this product.

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