



## SAFETY DATA SHEET

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

<b><u>Product Name</u></b>	<b>DTF Magenta Ink</b>
<b><u>Product IDN</u></b>	WB.DTF.3000/ XPD.DTF.500.M
<b><u>Material Uses</u></b>	Inkjet Printing
<b><u>Manufacturer</u></b>	STS Inks LLC., 8300 Congress Ave., Boca Raton, FL 33487, USA Phone: 561-999-8818 Fax: 561-999-8828 Emergency: 561-419-7111 <a href="http://www.stsinks.com">www.stsinks.com</a>
<b><u>Date Issued</u></b>	February 2, 2023

### 2. HAZARD IDENTIFICATION

#### 2.1 Classifications

Classification according to GHS 29CFR 1910.1200

Acute tox. [oral] Cat.4: H302  
Skin irrit. Cat. 2: H315  
Eye irrit. Cat. 2A: H319  
STOT -SE Cat. 3: H335  
Reproductive tox.: H361  
STOT-RE [Kidney] Cat.2: H373

#### 2.2 Label Elements:

Labeling according to GHS  
**Hazard pictograms**



**Signal Word:** Warning

**Hazard Statements:**

H302- Harmful if swallowed.

H315- Causes skin irritation.

H319- Causes serious eye irritation.

H335- May cause respiratory irritation.

H361- Suspected of damaging fertility or the unborn child.

H373- Causes damage to organs through prolonged or repeated exposure.

**Precautionary Statements:**

**PREVENTION:**

P203- Obtain, read and follow all safety instructions before use.

P260- Do not breathe dust/fume/gas/mist/vapors/spray.

P264+P265- Wash hands thoroughly after handling. Do not touch eyes.

P270- Do not eat, drink or smoke when using this product.

P271- Use only outdoors or in a well-ventilated area.

P280- Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

**RESPONSE:**

P301+P317- IF SWALLOWED: Get medical help.

P302+P352- IF ON SKIN: wash with plenty of water

P304+P340- IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338- IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

P319- Get medical help if you feel unwell.

P337+P317- If eye irritation persists: Get emergency medical help.

P362+P364- Take off contaminated clothing and wash it before reuse.

**STORAGE:**

P403+P233- Store in a well-ventilated place. Keep container tightly closed.

P405- Store locked up.

**DISPOSAL:**

P501- Dispose of contents/container in accordance with local/regional/national/international regulations.

**2.3 Other Hazards**

Results of PBT and vPvB assessment:

PBT: Not applicable.

vPvB: Not applicable.

### 3. COMPOSITION/ INFORMATION ON INGREDIENTS

Chemical Characterization: Mixture

Water based inkjet ink (Mixture)

Ingredients	CAS No	EC No	Percent (%)	Classification GHS (Rev 5)
DIW	7732-18-5	231-791-2	50-70	-
Glycols	111-46-6/ 107-21-1	203-872-2/ 203-473-3	6-7	Acute toxicity, oral: H302. Specific target organ toxicity, repeated exposure: H373.
Resin	Trade Secret	Trade Secret	10-20	-
Humectant	Trade Secret	Trade Secret	6-9	-
Alcohols	Trade Secret	Trade Secret	6-7	Skin irrit. Cat. 2: H315 Eye irrit. Cat. 2A: H319 STOT -SE Cat. 3: H335
Cross-Linker	Trade Secret	Trade Secret	2-3	Reproductive tox.: H361
Proprietary Additives	Trade Secret	Trade Secret	3-6	-
Proprietary Colorant	Trade Secret	Trade Secret	3-6	-

This is an aqueous ink formulation.

### 4. FIRST AID MEASURES

#### 4.1 Description of necessary first-aid measures

##### Inhalation

If inhaled move to fresh air. Respiratory irritation may occur, if symptoms develop seek medical attention. If not breathing, give artificial respiration preferably mouth to mouth.

##### Ingestion

Rinse mouth with water. Give two glasses of water and monitor closely. Call a poison control center, emergency room, or physician before trying to induce vomiting.  
Never give anything by mouth to an unconscious person. Get medical attention if symptoms appear.

<b>Skin Contact</b>	In case of contact, immediately flush skin with soap and plenty of water while removing contaminated clothes and shoes. Wash clothing before reuse. Get medical attention if symptoms appear.
<b>Eye Contact</b>	Do not rub eyes. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If irritation persists, get medical attention.

#### **4.2 Most important symptoms or effects, and any symptoms that are acute or delayed**

**Eye Contact:** No known significant effects or critical hazards.

**Inhalation:** No known significant effects or critical hazards.

**Skin Contact:** No known significant effects or critical hazards.

**Ingestion:** No known significant effects or critical hazards.

#### **Over Exposure Signs/Symptoms**

**Eye Contact:** No specific data.

**Inhalation:** No specific data.

**Skin Contact:** No specific data.

**Ingestion:** No specific data.

#### **4.3 Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

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

### **5.1 Extinguishing Media**

Suitable Extinguishing Media: Alcohol-resistant foam, dry chemical, carbon dioxide (CO<sub>2</sub>), water spray.

### **5.2 Special Hazards arising from the substance or mixture**

No information available.

### **5.3 Advice for Fire-Fighters**

Wear self-contained breathing apparatus with independent air supply.

Protective suit.

### **5.4 Further Information**

Use water spray to cool unopened containers.

### **5.5 NFPA Ratings**

Health:1 Flammability: 1 Reactivity: 0

Hazard Scale: 0=Minimal 1=Slight 2=Moderate 3=Serious 4=Severe

## **6. ACCIDENTAL RELEASE MEASURES**

### **6.1 Personal Precautions, Protective Equipment and Emergency Procedures**

Wear appropriate respiratory protection. Use personal protective clothing. Ensure adequate ventilation.

### **6.2 Environmental Precautions**

Prevent further leakage or spillage if safe to do so. Do not let product enter drains, sewers or water courses.

### **6.3 Methods and materials for containment and cleaning up**

Move containers from the spill area. Prevent from entering sewers, water courses, basements, or confined areas. Contain and collect spillage with inert absorbent material (e.g. sand, earth, vermiculite, or diatomaceous earth) and place in container for disposal according to local regulations. Contaminated absorbent material may pose the same hazard as the spilled product.

### **6.4 Reference to other sections**

For disposal see section 13.

## **7. HANDLING AND STORAGE**

### **7.1 Handling**

Wear personal protective equipment such as safety goggles and gloves. Avoid contact with skin and eyes.

### **7.2 Conditions for safe storage**

Keep out of the reach of children. Store at room temperature.

### **7.3 Specific end uses**

Direct to Film printing

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

### **8.1 Control parameters:**

#### **Components with workplace control parameters**

Contains no substances with occupational exposure limit values.

### **8.2 Exposure controls:**

#### **Appropriate engineering controls**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

#### **Personal Protective Equipment**

#### **Respiratory Protection**

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

### **Body Protection**

Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

### **Skin Protection**

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.

Wash and dry hands. Wear impervious gloves when handling this material. We recommend nitrile or neoprene or a combination of nitrile over latex. Skin barrier creams are beneficial. Gloves with long cuffs or separate protective arm covers are also recommended.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

### **Eye/face Protection**

Face shield and safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU)

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

<b>Color</b>	Magenta
<b>Odor</b>	Slight
<b>Boiling Point/boiling range of ink</b>	No Data Available
<b>Melting Point/melting range</b>	No Data Available
<b>Freezing Point</b>	No Data Available
<b>Specific Gravity</b>	1.0-1.1 (Water = 1)
<b>Vapor Density</b>	No Data Available
<b>Vapor Pressure</b>	No Data Available
<b>Relative Density</b>	No Data Available
<b>Water Solubility</b>	No Data Available
<b>Viscosity</b>	Not applicable
<b>pH</b>	7-9
<b>Flash Point</b>	>100 degree Celsius
<b>Auto-Ignition Temperature</b>	No Data Available
<b>Flammable Limits</b>	Not Determined
<b>Volatility (w/w)</b>	No Data Available
<b>VOCs</b>	No Data Available

**Oxidizing Properties**

No Data Available

The physical and chemical data given in Section 9 are typical values for this product and are not intended to be product specifications.

<b>10. STABILITY AND REACTIVITY</b>
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**10.1 Reactivity**

No data available

**10.2 Chemical Stability**

This product is stable under recommended conditions of storage and use.

**10.3 Possibility of hazardous reactions**

No data available

**10.4 Conditions to avoid**

Not compatible with oxidizing agents

**10.5 Incompatible materials**

Strong oxidizing agents

**10.6 Hazardous decomposition products**

Hazardous decomposition products that may be produced if decomposition occurs may include but is not limited to, CO, NOXs and particulate matter.

<b>11. TOXICOLOGICAL INFORMATION</b>
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**11.1 Routes of Overexposure**

Eye, skin, inhalation, and oral ingestion

**11.2 Health Hazards:****Acute Health Hazards**

Overexposure of the eye surface to ink may generate severe eye irritation.

Overexposure of ink contact with the skin may cause irritation and, in some people, swelling and redness. Intentional inhalation to ink vapors may result in respiratory tract irritation. Intentional or accidental oral ingestion may cause an upset stomach.

**Chronic Health Hazards**

No classification regarding to human carcinogenic classification.

**Mutagenicity**

Not a suspected mutagen.

**Carcinogenicity**

No information available

**11.3 Toxicity:****Acute Toxicity Data**

Harmful if swallowed. May cause gastrointestinal irritation. Overexposure of the skin may cause irritation, redness, burning and skin sensitization. Breathing mist or vapors may cause respiratory tract irritation.

<b>Inhalation</b>	Repeated or prolonged contact may cause respiratory tract irritation.
<b>Irritating</b>	May cause eye irritation. Repeated or prolonged contact may cause irritation.
<b>Sensitization</b>	No data is available on the product itself.
<b>Reproductive Toxicity</b>	No data is available on the product itself.

## 12. ECOLOGICAL INFORMATION

<b>12.1 Toxicity</b>	No data available
<b>12.2 Persistence and Degradability</b>	No data available
<b>12.3 Bioaccumulative Potential</b>	No data available
<b>12.4 Mobility in Soil</b>	No data available
<b>12.5 Results of PBT and vPvB Assessment</b>	PBT: Not applicable vPvB: Not applicable
<b>12.6 Other Adverse Effects</b>	No data available

## 13. DISPOSAL CONSIDERATIONS

<b>13.1 Waste Treatment Methods</b>	
<b>Product</b>	Treatment, storage, transportation and disposal must be in accordance with applicable federal, state/provincial, and local regulations. Do not flush to surface water or sanitary sewer system.
<b>Contaminated Packaging</b>	Dispose of as unused product

## 14. TRANSPORTATION INFORMATION

Not classified as a dangerous good under transport regulations

<b>14.1 UN Number</b>	Not Regulated
<b>14.2 UN Proper Shipping Name</b>	Not Regulated
<b>14.3 Transport Hazard Class(es)</b>	Not Regulated



14.4 Packaging Group  
 14.5 Environmental Hazards  
 14.6 Special Precautions for User

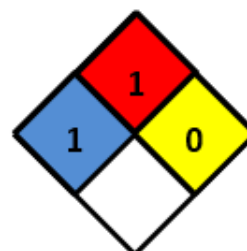
Not Regulated  
 Not Regulated  
 Transport and storage of the product in accordance with general precautions and instructions mentioned in this SDS.

## 15. REGULATORY INFORMATION

**U.S Federal Regulations OSHA** : Not available.  
 : This product is classified non-hazardous  
 : Acute Hazard

**International Regulations** : Not available.  
**Canadian WHMIS** : Not available.  
**Canadian Environmental** : Not available.

**Protection Act EINECS**  
**National Fire Protection** Health: 1  
**Association (United States)** Flammability: 1  
 Instability: 0



**State Regulations** : Not available.  
**State of California Proposition 65** : **WARNING:** This product can expose you to chemicals including 2-Pentanone, 4-methyl-, which is [are] known to the State of California to cause cancer and birth defects or other reproductive harm.

## 16. OTHER INFORMATION

The information in this Safety Data Sheet (SDS) is believed to be correct to the best of our knowledge, information and belief at the date of its publication. The data in this Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. This information is based upon technical information believed to be reliable. It is subject to revision as additional knowledge and experience is gained. STS inks does not warrant the completeness or accuracy of the information contained herein.

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