



## SAFETY DATA SHEET

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

**Product Name** : Heat Transfer PET Film  
**Product IDN** : DTF.FILM  
**Material Uses** : Printing material for clothing.  
**Manufacturer or importer** : MUTOH AUSTRALIA PTY. LTD.  
Address: Unit 19/76 Reserve Road, Artarmon, NSW 2064, Australia  
Phone: +61 2 9437 1366  
Email: [admin@mutoh-au.com](mailto:admin@mutoh-au.com)  
Emergency phone number (business hours): +61 2 9437 1366  
**Date Issued** : January 20, 2022

### 2. HAZARD IDENTIFICATION

#### 2.1 Classifications

Classification according to GHS

GHS09 Environment

Classification not possible.

GHS07 Irritant

Not Classified

GHS08 Health Hazard

H372: Specific target organ toxicity, Repeated exposure. Category 1. (Respiratory organs, immune system kidney)

The main ingredients of this product lack relevant data and information for classification and may have unknown potential hazards to human health and the environment.

#### 2.2 Label Elements:

Labeling according to GHS

#### Hazard pictograms



**Signal Word:** Danger

**Hazard Statements:**

H372: Causes damage to organs through prolonged or repeated exposure. [Respiratory organs, immune system kidney]

**Precautionary Statements:**

PREVENTION:

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

P264: Wash hands thoroughly after handling.

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

RESPONSE:

P319: Get medical help if you feel unwell.

STORAGE:

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

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 available.

vPvB: Not available.

<b>3. COMPOSITION/ INFORMATION ON INGREDIENTS</b>
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Chemical Characterization: Mixture

Product name: Heat Transfer PET film

<b>Ingredients</b>	<b>CAS No</b>	<b>EC Number</b>	<b>Reach Registration Number</b>	<b>Percent (%)</b>	<b>Classification GHS (Rev 5)</b>
Polyethylene terephthalate	25038-59-9	607-507-1	Pre-Registered	92	-
Fumed Silica	7631-86-9	231-545-4	Pre-Registered	3	-
Polyvinyl alcohol	9002-89-5	618-340-9	Pre-Registered	2	STOT C1: H372
Wax emulsion	9002-88-4	618-339-3	Pre-Registered	1.5	-
Silicone oil	67763-03-5	641-028-9	Pre-Registered	1	-
Fixative	7398-69-8	230-993-8	Pre-Registered	0.5	-

## 4. FIRST AID MEASURES

### 4.1 Description

- Inhalation** : If inhaled move to fresh air. If feel unwell, call a physician.
- Ingestion** : If swallowed, wash out mouth with water provided person is conscious. Call a physician.
- Skin Contact** : In case of contact, immediately flush skin with plenty of water. If irritation persists, call a physician.
- Eye Contact** : In case of contact with eyes, lift the eyelids and flush with plenty of water for at least 15 minutes. If irritation persists, get medical attention.

### 4.2 Most Important Symptoms and Effects, Both Acute and Delayed

#### Potential Health Effects

**Eye Contact:** No data available

**Inhalation:** No data available

**Skin Contact:** No data available

**Ingestion:** No data available

#### 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: Dry chemical, carbon dioxide (CO<sub>2</sub>), water spray or appropriate foam.

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

Carbon Oxides, silicon oxides, nitrogen oxides, hydrogen chloride gas.

### 5.3 Advice for Fire-Fighters

Use breathing apparatus with independent air supply.

Protective suit to prevent contact with skin and eyes.

### 5.4 Further Information

Use water spray to cool unopened containers.

### 5.5 NFPA Ratings

Health:2 Flammability: 0 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

Use personal protective equipment. Remove all sources of ignition. Avoid breathing dust. Keep people away from an upwind of leakage or spillage. Ensure adequate ventilation. Entry to noninvolved personnel should be controlled around the leakage area by roping off.

### 6.2 Environmental Precautions

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

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

Sweep up with spade and transfer to a dry, clean, lidded container for disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

### 6.4 Reference to other sections

For disposal see section 13.

## 7. HANDLING AND STORAGE

### 7.1 Handling

: Wear appropriate protective clothing and gloves. Avoid inhalation of dust. Avoid contact with eyes, skin, and clothing. Avoid formation of dust. Keep away from sources of ignition, heat, and flame. No smoking. Mechanical exhaust required. Wash hands and face thoroughly after handling. Load and unload gently when handling. Prevent the package from breaking and getting damp to cause losses. Working place should be equipped with appropriate varieties and quantities of fire fighting equipment and leakage emergency treatment equipment.

### 7.2 Conditions for safe storage

: Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Keep away from ignition sources, heat, and flame. Storage place should be equipped with appropriate varieties and quantities of fire fighting equipment and leakage emergency treatment equipment.

### 7.3 Specific end uses

: Printing material for clothing.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

GBZ 2. 1-2019 Occupational Exposure Limits for Hazardous Agents in the Workplace – Par 1:

Chemical Hazardous Agents: Not set up.

ACGIH: Not set up.

### 8.2 Exposure controls

#### Appropriate engineering controls

Mechanical exhaust required. Safety shower and eye bath.

**Personal Protective Equipment****[Respiratory Protection]:** Wear government approved respirator.**[Body Protection]:** Wear appropriate protective clothing.**[Skin Protection]:** Hand Protection: wear appropriate protective gloves.**[Eye/face Protection]:** Wear chemical safety glasses.**9. PHYSICAL AND CHEMICAL PROPERTIES**

Color	: Colorless semi-transparent thin slice flaky solid
Odor	: Weak odor
Boiling Point/boiling range of ink	: Not applicable
Melting Point/melting range	: Not applicable
Flash Point of ink	: Not applicable
Auto-Ignition Temperature	: No data available
Specific Gravity	: No data available
Vapor Density	: No data available
Vapor Pressure	: No data available
Explosive Properties	: No data available
Solubility	: Insoluble in water
Viscosity	: Not applicable
pH	: Not applicable
VOCs	: No data available
Oxidizing Properties	: No data available
Flammability (solid, gas)	: The substance is not classified in Division 4.1 Flammable Solids

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

**10. STABILITY AND REACTIVITY**

<b>10.1 Reactivity</b>	: No data available
<b>10.2 Chemical Stability</b>	: Stable under normal temperatures and pressures
<b>10.3 Possibility of hazardous reactions</b>	: No data available
<b>10.4 Conditions to avoid</b>	: No data available
<b>10.5 Incompatible materials</b>	: No data available
<b>10.6 Hazardous decomposition products</b>	: Carbon Oxides, silicon oxides, nitrogen oxides, hydrogen chloride gas

## 11. TOXICOLOGICAL INFORMATION

**11.1 Routes of Overexposure** : Eye, skin, inhalation, and oral ingestion

**11.2 Health Hazards:**

**Acute Health Hazards** : No data available

**Chronic Health Hazards** : No data available

**Mutagenicity** : Germ Cell Mutagenicity: No data available.

**Carcinogenicity** : No data available

**11.3 Toxicity:**

**Acute Toxicity Data** : Fixative: DL50 Oral-Rat-Mate-3093 mg/Kg (OECD Test Guideline 401)

**Inhalation** : No data available

**Irritating** : No data available

**Sensitization** : No data available

**Reproductive Toxicity** : No data available.

**Specific target organ toxicity -** : No data available.

**Single exposure**

**Specific target organ toxicity -** : Causes damage to organs through prolonged or repeated  
**Repeated exposure** exposure (Respiratory organs, immune system, kidney).

## 12. ECOLOGICAL INFORMATION

**12.1 Toxicity** : No data available.

**12.2 Persistence and Degradability** : No data available.

**12.3 Bioaccumulation Potential** : No data available.

**12.4 Mobility in Soil** : No data available.

**12.5 Results of PBT and vPvB** : PBT: Not applicable

**Assessment** : vPvB: Not applicable

**12.6 Other Adverse Effects** : No further relevant information available

## 13. DISPOSAL CONSIDERATIONS

**13.1 Waste Disposal** : Recycle as far as possible. If unable to recycle, it is recommended to use incineration method for disposal under supervision. This product should not be disposed of by discharge into sewers. Return empty containers to the manufacturer or dispose of them in accordance with national and local regulations. Follow the relevant provisions of national and local regulations before disposal. It is recommended to disposed of by qualified chemical waste treatment department.

## 14. TRANSPORTATION INFORMATION

United States DOT Domestic Surface, USA, ICAO/IATA AIR, IMO/IMDG OCEAN, ADR, or RID

<b>14.1 UN Number</b>	: Not applicable
<b>14.2 UN Proper Shipping Name</b>	: Not applicable
<b>14.3 Transport Hazard Class(es)</b>	: Not applicable
<b>14.4 Packaging Group</b>	: Not applicable
<b>14.5 Environmental Hazards</b>	: Unknown
<b>14.6 Special Precautions for User</b>	: No data available.
<b>14.7 Other Information</b>	: The product is not subject to RID/ADR.
<b>14.8 DOT</b>	: Not regulated as Dangerous Goods.

## 15. REGULATORY INFORMATION

<b>U.S Federal Regulations</b>	: Not available.
<b>Montreal Protocol</b>	: Not listed
<b>Stockholm Convention</b>	: Not listed
<b>Rotterdam Convention</b>	: Not listed
<b>EINECS/ELINCS</b>	: Silica Fume, Fixative in the product are listed
<b>TSCA</b>	: Polyethylene terephthalate, Silica fume, Polyvinyl alcohol, wax emulsion, silicone oil, fixative in the product are listed.
<b>IECSC</b>	: All ingredients in the product are listed

## 16. OTHER INFORMATION

The data in this Material 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.

This information is based upon technical information believed to be reliable. It is subject to revision as additional knowledge and experience is gained. The users should take the relevant legal responsibilities for the consequences of use.

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