

# SAFETY DATA SHEET

Accordance with Annex II of Regulation (EC)  
No 1907/2006 and its amendment(s)

**Product:** JACQUARD PROFESSIONAL SCREEN PRINTING INK  
SDS No.: Version 1.0

Page: 1 / 6  
Date 04.09.2021

## 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING 1.1. Identification of the product

**Identification of the mixture:** JACQUARD PROFESSIONAL SCREEN PRINTING INK (ALL COLORS) 100-142

### 1.2. Relevant identified uses of the substance or mixture and uses advised against:

**Use of the Substance/Mixture:** For Screen Printing 1.3. Details of the supplier of the safety data sheet:

1.4. Emergency Telephone Number: ChemTel, Inc. - Contract #MIS9128344

N.America: 1-800-255-3924 / International: 1-813-248-0585

## 2. HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture:

**Classification according to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)**

Not a hazardous substance or mixture according to Regulation

### 2.2. Label Elements:

Not a hazardous substance or mixture according to Regulation

### 2.3. Other hazards:

No data available

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

According to Regulation 2012 OSHA Hazard Communication Standard: 29 CFR Part 1910.12

Component	CAS No.	Concentration (%)
Titanium Dioxide	13463-67-7	0-30
Acrylic Co polymer	Proprietary	20-36
Silicone Resins	Proprietary	0-10
Water Soluble solvents	-	8-16
Water	7732-18-5	14-43
Mica	12001-26-2	0-12
Silicon dioxide	7631-86-9	0-2.4
Diiron Trioxide (bound)	1309-37-1	0-5.5
Non-hazardous Pigments	Proprietary	0-12

#### 4. FIRST AID MEASURES

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

**General Advice:**

Remove contaminated clothing.

**Inhalation:**

Remove the affected individual into fresh air and keep the person calm. Assist in breathing if necessary. Immediate medical attention required.

**Skin Contact:**

Wash affected areas thoroughly with soap and water. If irritation develops, seek medical attention.

**Eye Contact:**

Flush with copious amount of water for at least 15 minutes. If irritation develops, seek medical attention.

**If Swallowed:**

Immediately rinse mouth and drink plenty of water, seek medical attention. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions.

##### 4.2. Most important symptoms/effects, acute and delayed:

Symptoms: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

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

Treat symptomatically

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#### 5. FIREFIGHTING MEASURES

##### 5.1. Extinguishing media:

Suitable extinguishing media : Water spray, foam, dry powder

##### 5.2. Special hazards arising from the substance or mixture:

Hazards during fire-fighting: No particular hazards known.

##### 5.3. Advice for firefighters:

Protective equipment for fire-fighting- Fire fighters should be equipped with self-contained breathing apparatus and turn-out-gear

##### 5.4. Further Information:

Dispose of debris and contaminated extinguishing water in accordance with official regulations. Product itself is non-combustible; fire extinguishing method of surrounding areas must be considered.

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#### 6. ACCIDENTAL RELEASE MEASURES

##### 6.1. Further accidental measures:

High risk of slipping due to leakage/spillage of product.

##### 6.2. Personal precautions, protective equipment and emergency procedures:

Use personal protective clothing. Avoid contact with skin and eyes.

##### 6.3. Environmental precautions:

Do not release untreated into natural water

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**6.4. Methods and materials for containment and cleaning up:**

For small amount- Pick up with suitable absorbent material (e.g. sand, sawdust, general purpose binder, Keiselgujr). Dispose of absorbent material in accordance with regulations.  
For large amount- Pump of product

Spills should be contained, solidified and placed in suitable containers for disposal.

**7. HANDLING AND STORAGE**

**7.1. Precautions for safe handling:**

Handle in accordance with good industrial hygiene and safety practice. No special measures necessary provided product is used correctly. Ensure adequate ventilation.

**7.2. Conditions for safe storage, including any incompatibilities:**

Further information on storage conditions- Store protected against freezing.

**7.3. Storage Stability:** 24 months

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1. Components with occupational exposure limits:**

**Advice on system design-** Ensure adequate ventilation

**Exposure Control:**

- Personal Protective equipment** : Avoid all unnecessary exposure.
- Hand Protection** : Chemical resistant protective gloves
- Eye Protection** : Tightly fitting safety goggles (chemical goggles). Wear face shield if splashing hazard exists.
- Respiratory protection** : Wear respiratory protection if ventilation is inadequate.
- General Safety and Hygiene Measures** : Hands and/or face should be washed before breaks and at the end of the shift. Avoid contact with skin and eyes.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Physical state	Paste
Color	Various
Odor	Pleasant Odor
Odor Threshold	No data available
pH	Approx. 7-9
Melting point	-
Freezing point	0°C
Boiling point	100°C
Flash point	>100°C
Evaporation rate	-
Partition coefficient	No data available
Auto ignition temperature	Not self-igniting
Decomposition temperature	-
Viscosity	Approx. 50,000-1 million C.P
Kinematic viscosity	-
Viscosity, dynamic	-

<b>Explosive properties</b>	-
<b>Oxidizing properties</b>	-
<b>Molecular weight</b>	-
<b>Flammability</b>	Not Flammable
<b>Vapor pressure</b>	-
<b>Density</b>	1.37 ± 0.05 gm/cm <sup>3</sup>
<b>Relative vapor density</b>	No data available
<b>Water solubility</b>	Dispersible in water
<b>Lower explosion limit</b>	Not applicable
<b>Upper explosion limit</b>	Not applicable

[**Note:** Physical data presented above are typical values and should not be construed as a specification]

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## 10. STABILITY AND REACTIVITY

### 10.1. Reactivity:

No hazardous reaction if stored and handled as prescribed/indicated.

Corrosion to metals: Corrosive effects to metal are not anticipated.

Oxidizing properties: Not fire-propagating

**Chemical stability:** The product is stable if stored and handled as prescribed/indicated.

### 10.2. Possibility of hazardous reactions: No hazardous reactions when stored and handled according to instructions.

After long storage, slight quantities of carbon monoxide may be formed. The product is chemically stable.

### 10.3. Conditions to avoid: Avoid extreme heat

### 10.4. Incompatible materials: Metal salts.

### 10.5. Hazardous decomposition products:

Hazardous decomposition products: Carbon dioxide, carbon monoxide, hydrocarbons.

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## 11. TOXICOLOGICAL INFORMATION

### 11.1. Acute Toxicity/Effects:

Acute Oral Toxicity on Rats:

LD50: >2000 mg/kg

Irritation/Corrosion:

No information available

Sensitization:

No information available.

Aspiration Hazard

No information available

### 11.2. Chronic Toxicity/Effects:

Repeated Dose Toxicity

No information available

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Genetic Toxicity  
No information available

Carcinogenicity  
No information available

Reproductive Toxicity  
No information available

Teratogenicity  
No information available

**11.3. Symptoms of Exposure:**

The most important known symptoms and effects are described in the labelling (See Section 2) and/or in Section 11.

**12. ECOLOGICAL INFORMATION**

**12.1. Toxicity:**

Aquatic toxicity in freshwater fish- No mortality or clinical abnormality found according to test protocol establish by OECD guideline.

**12.2. Persistence and Degradability:**

Assessment Biodegradation- Biodegradability (OECD 302B/ISO 9888): 70%

**12.3. Bio Accumulative Potential:**

No information available

**12.4. Mobility in Soil:**

Assessment transport between environmental compartments: No data available

**12.5. Additional Information:** No information available

**13. DISPOSAL CONSIDERATIONS**

**13.1. Waste Treatment Methods:**

- Waste disposal recommendations-** Must be sent to a suitable incineration plant, observing local regulations. Incinerate or dispose of in a licenced facility. Do not discharge into drains/surface waters/groundwater.
- Container Disposal-** Dispose of in a licenced facility. Recommended crushing, puncturing or other means to prevent unauthorized use of used containers.

**14. TRANSPORT INFORMATION**

Regulation	14.1. UN number	14.2. UN proper shipping name	14.3. Class*	Label	14.4. PG*	14.5. Environmental hazards	14.6. Special precautions for user
ADR	Not Regulated	Not classified as a dangerous good under transport regulations	NA	NA	NA	Not Classified	-
ADN	Not Regulated		NA	NA	NA	Not Classified	
RID	Not Regulated		NA	NA	NA	Not Classified	
IATA Cargo	Not Regulated		NA	NA	NA	Not Classified	
IATA Passenger	Not Regulated		NA	NA	NA	Not Classified	
IMDG	Not Regulated		NA	NA	NA	Not Classified	

**Description:**

- 14.3. Transport hazard class (es)
- 14.4. Packing group

**15. REGULATORY INFORMATION**

**INVENTORIES:**

- EINECS : Compliant
- TSCA : Compliant
- ELINCS : Compliant
- DSL : Compliant
- REACH EC 1907/2006 Registration : -

**16. OTHER INFORMATION**

**Update:**

Safety datasheet sections which have been updated:		Type
1		
2		
3		
4		
5		

**Thesaurus:**

- vPvB : very Persistent and very Bio accumulative
- PBT : Persistent, Bio accumulative and Toxic

**Disclaimer**

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