SAFETY DATA SHEET

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

Product: **Jacquard Screen Ink Extender**
SDS No.: Version 1.0

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

1.1. Identification of the product:

Identification of the mixture: Jacquard Screen Ink Extender: JSI1100, JSI2100, JSI3100, JSIQ100, JSI4100

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:

Supplier: Rupert, Gibbon & Spider, Inc.
1147 Healdsburg Ave.
Healdsburg, CA 95448 USA

1-800-442-0455 / 707-433-9577

E-mail: service@jacquardproducts.com

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 2012 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

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

Component	CAS No.	Concentration (%)
Acrylic Co-Polymer	Proprietary	36-44
Silicone Resins	Proprietary	0-1
DEG/MEG	111-46-6/107-21-1	2-19
Water	7732-18-5	27-43

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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.

Ingestion:
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

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.

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

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
Colour	Translucent White to Translucent Off-White
Odour	Faint Odour
Odour 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. 50,000-5, 00,000 C.P
Kinematic viscosity	-
Viscosity, dynamic	-
Explosive properties	-

Oxidizing properties	-
Molecular weight	-
Flammability	Not Flammable
Vapor pressure	-
Specific Gravity	1.02-1.06 gm/cc
Relative vapor density	No data available
Water solubility	Dispersible in Water
Lower explosion limit	Not applicable
Upper explosion limit	Not applicable

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

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

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

10.3. Possibility of hazardous reactions: No hazardous reactions when stored and handled according to instructions.
After long storage, slight qualities of carbon monoxide may be formed. The product is chemically stable.

10.4. Conditions to avoid: Avoid extreme heat

10.5. Incompatible materials: Metal salts.

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

11. TOXICOLOGICAL INFORMATION

11.1. Acute Toxicity/Effects:
Acute Oral Toxicity on Rats:
Toxicity if swallowed-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

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	:	Compliant

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

The information contained in this SDS is based on data from sources considered to be reliable but Rupert, Gibbon & Spider, Inc. does not guarantee the accuracy or completeness thereof. Rupert, Gibbon & Spider, Inc. urges each customer or recipient of this SDS to study it carefully to become aware of and understand the hazards associated with this product. The reader should consider consulting reference works or individuals who are experts in ventilation, toxicology or fire and understand the data in this SDS.