

## Jacquard Screen Ink Discharge

MSDS No: #019

Date: 09/16/10

### 1. Product Identification

**Product Name:** Jacquard Screen Ink Discharge**Product Code:** 019**Chemical Family:** sulfinic acid derivative, in water

### 2. Composition/Information on Ingredients

CAS#	Content (w/w)	Chemical Name
7732-18-5	>=60.0-<=65.5%	water
7757-82-6	>=1.0-<=2.0%	sodium sulfate
7757-83-7	>=1.0-<=2.0%	sodium sulphite
	>=30.0-<=35.0%	PMN90-0608
	>=1.0-<=5.0%	Proprietary additive

### 3. Hazardous Ingredients

**Hazardous Components:** None

### 4. Physical Data

**Form:** liquid**Odor:** product specific**Colour:** colorless to yellowish**pH Value:** 10-11**Solidification temperature:** 5 degrees C**Boiling temperature:** 104 degrees C**Density:** 1.3-1.425 b/cm<sup>3</sup>**Miscibility with water:** 20 degrees C, completely (e.g. >=90%)

### 5. Fire and Explosive Data

**Flash Point:** >100 degrees C**Autoignition:** >200 degrees C**Extinguishing Media:** Use water, dry extinguishing media, foam, carbon dioxide.**Special Fire Fighting Procedures:** Firefighters should be equipped with a self-contained breathing apparatus and turn out gear.**Hazards during fire-fighting:** harmful vapors. Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.**Further Information:** The degree of risk is governed by the burning substance and the fire conditions. Contaminated extinguishing water must be disposed of in accordance with official regulations.

### 6. Reactivity Data

**Conditions to Avoid:** No conditions known that should be avoided.**Stability:** Stable**Decomposition Products:** No hazardous decomposition products if stored and handled as prescribed/indicated.**Corrosion to metals:** No corrosive effect on metal.

### 7. Health Effects Data

**Routes of Entry:** For solids and liquids include eye and skin contact, ingestion and inhalation. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

**Acute:** Contact with eyes may result in irritation. Prolonged or repeated skin contact may result in irritation. Inhalation may result in respiratory irritation. Ingestion may result in gastric disturbances.

**Chronic:** There are no known chronic effects associated with this material.

**Carcinogenic:** N/A

**Signs & Symptoms of Exposure:** N/A

**Medical Conditions Aggravated by Exposure:** N/A

## **8. Emergency and First Aid Procedures**

**General:** Remove contaminated clothing.

**Eye Contact:** Immediately flush with running water for at least 15 minutes with eyelids held open.

**Skin Contact:** Wash affected areas with soap and water. If irritation develops, get medical attention.

**Ingestion:** Rinse mouth and then drink plenty of water. Do not induce vomiting. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions. Immediate medical attention required.

**Inhalation:** If difficulties occur after vapour/aerosol has been inhaled, remove to fresh air and seek medical attention.

## **9. Employee Protection Recommendations**

**Respiratory Protection:** Wear a NIOSH/MSHA approved organic vapor/particulate respirator.

**Protective Gloves:** Chemical resistant rubber gloves.

**Eye Protection:** Wear safety goggles (chemical goggles) if there is potential for airborne dust exposures.

**General safety and hygiene measures:** Wear protective clothing as necessary to minimize contact. Handle in accordance with good industrial hygiene and safety practice.

## **10. Spill or Leak Procedures**

**Personal Precautions:** Use personal protective clothing.

**Environmental precautions:** This product is not regulated by RCRA. This product is not regulated by CERLA ("superfund").

**Cleanup:** Place absorbed material in the same container as the spilled substance/product for disposal. For small amounts: Pick up with absorbent material (e.g. sand, sawdust, general-purpose binder). Dispose of absorbed material in accordance with regulations. For large amounts: pump off product.

**Further information:** High risk of slipping due to leakage/spillage of product.

## **11. Handling and Storage**

**General Advice:** No special measures necessary provided product is used correctly.

**Protection against fire and explosion:** Take precautionary measures against static discharges.

**Storage:** Keep container tightly closed and dry; store in a cool place.

## **12. Disposal considerations**

**Waste disposal of substance:** Must be dumped or incinerated in accordance with local regulations.

**Container disposal:** Dispose of in a licensed facility. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

**RCRA:** None

### **13. Toxicological Information**

Acute toxicity

**Oral:** LD50/rat: >2000mg/kg

**Skin irritation:** rabbit: non-irritant (BASF-Test)

**Eye irritation:** rabbit: non-irritant (BASF-Test)

Chronic toxicity:

Other information: The statement was derived from products of similar composition.

### **14. Ecological Information**

**Biodegradation:**

**Test method:** OECD 302B, ISO 9888, 88/302/EEC, part C

**Method of analysis:** DOC reduction

**Degree of elimination:** 30-40%

**Evaluation:** Moderately/partially eliminated from water.

**Chemical oxygen demand (COD):** 215 mg/g

**Absorbable organically-bound halogen (AOX):** This product contains no organically-bound halogen.

**Environmental toxicity:**

**Toxicity to microorganisms:** OECD guidelines 209 EC20: >1000 mg/l. Inhibition of degradation activity in activated sludge is not to be anticipated during correct introduction of low concentrations.

**Other ecotoxicological advise:** Do not release untreated into natural waters. The product has not been tested. The statement has been derived from products of similar structure and composition.

### **15. Transport Information**

Reference Bill of Lading

### **16. Regulatory information**

**Federal Regulations:** Registration status: TSCA, US-released/listed

**OSHA hazard category:** No data available.

### **17. Other information**

**HMIS III rating:** Health: 1, Flammability: 1, Physical Hazard: 0

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