

# SAFETY DATA SHEET

U.S. HazCom GHS Format

Date Issued : 10/15/2014

MSDS No : 88) !9\$++

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## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Šæø •[ ] ÁÚÓÙÊĚ Ī Á( ~ |•ā }

**GENERAL USE:** Liquid emulsion for producing screen printing stencils

**PRODUCT DESCRIPTION:** Emulsion

**PRODUCT CODE:** ĞĚ ĚĚ Ī

**MANUFACTURER:** 98 `: CF.

**24 HR. EMERGENCY TELEPHONE NUMBER**

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**Emergency Contact:** Öæã Ášă á^•{ æ

**Customer Service:** ĚĚ ĚĚ ĞĚĚĚ

**E-Mail:** infoO \* [ |æø •[ ] ĚĚ {

## 2. HAZARDS IDENTIFICATION

### GHS CLASSIFICATIONS

**Health:**

Not a hazardous substance or mixture

**Environmental:**

Not a hazardous substance or mixture

**Physical:**

Not a hazardous substance or mixture

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Polyvinyl alcohol	4 - 15	25213-24-5

## 4. FIRST AID MEASURES

**EYES:** Rinse thoroughly with plenty of water. Consult a physician if irritation develops.

**SKIN:** Wash with soap and water. Get medical attention if irritation develops or persists.

**INGESTION:** Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

**INHALATION:** If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

## 5. FIRE FIGHTING MEASURES

**EXTINGUISHING MEDIA:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**HAZARDOUS COMBUSTION PRODUCTS:** Carbon oxides

**FIRE FIGHTING EQUIPMENT:** Not Available

**HAZARDOUS DECOMPOSITION PRODUCTS:** Not Available

## 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Contain spill. Wipe area with water soaked towels.

**LARGE SPILL:** Wear suitable protective equipment. Do not touch or walk through spilled material. Contain spillage, soak up with absorbent material such as sand, earth, vermiculite and transfer to a container for disposal according to local/state/federal regulations. Flush spill area with water.

## 7. HANDLING AND STORAGE

**HANDLING:** Avoid contact with skin and eyes.

**STORAGE:** Keep container closed to prevent drying out.

**SHELF LIFE:** 24 months

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**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

**EYES AND FACE:** Safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US).

**SKIN:** 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.

**RESPIRATORY:** Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) 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).

**PROTECTIVE CLOTHING:** Apron recommended.

**WORK HYGIENIC PRACTICES:** Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when handling this material: (1) Do not store, use, and/or consume foods, beverages, tobacco products, or cosmetics areas with this material stored. (2) Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the restrooms. (3) Wash exposed skin promptly to remove accidental splashes of contact with this material.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Viscous liquid

**ODOR:** Slight

**COLOR:** Red

**pH:** 4 to 5

**PERCENT VOLATILE:** 57

**FLASH POINT AND METHOD:** Not Available

**FLAMMABLE LIMITS:** Not Available

**AUTOIGNITION TEMPERATURE:** Not Available

**VAPOR PRESSURE:** Not Available

**VAPOR DENSITY:** Not Available

**BOILING POINT:** Not Available

**FREEZING POINT:** Not Available

**POUR POINT:** Not Available

**THERMAL DECOMPOSITION:** Not Available

**SOLUBILITY IN WATER:** Soluble

**EVAPORATION RATE:** Not Available

**SPECIFIC GRAVITY:** 1.124

**VISCOSITY #1:** 130 to 160 Poise at 25°C (77°F) Brookfield Viscometer, 10rpm

**MOLECULAR WEIGHT:** Not Available

**(VOC):** 0 g/L

## 10. STABILITY AND REACTIVITY

**STABLE:** Yes

**STABILITY:** Stable under recommended storage conditions.

**CONDITIONS TO AVOID:** Heat, sunlight

**HAZARDOUS DECOMPOSITION PRODUCTS:** Not Available

**INCOMPATIBLE MATERIALS:** Not Available

## 11. TOXICOLOGICAL INFORMATION

**ACUTE**

Chemical Name	ORAL LD <sub>50</sub> (rat)	INHALATION LC <sub>50</sub> (rat)
Polyvinyl alcohol	> 5000 mg/kg [Rat]	> 20 mg/L [rat] 1 h

**DERMAL LD<sub>50</sub>:** Not yet determined for this product

**ORAL LD<sub>50</sub>:** Not yet determined for this product

**INHALATION LC<sub>50</sub>:** Not yet determined for this product

#### CARCINOGENICITY

Chemical Name	NTP Status	IARC Status	OSHA Status
Polyvinyl alcohol	Not Listed	Not Listed	Not Listed

**IARC:** Not listed

**NTP:** Not listed

**OSHA:** Not listed

#### 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL DATA:** No specific data are available for this product. Handle it according to good working practices. Avoid littering. Do not contaminate soil, sewers and waterways. Inform the competent authorities, should the product reach waterways or sewers or contaminate soil or vegetation. Please take all the proper measures to reduce harmful effects on aquifers.

#### 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Dispose of in accordance with all current local, state and federal regulations.

#### 14. TRANSPORT INFORMATION

**DOT (DEPARTMENT OF TRANSPORTATION)**

**PROPER SHIPPING NAME:**

NOT REGULATED

**U.S. CUSTOMS HARMONIZATION NUMBER:** 3707.10.00.90

#### 15. REGULATORY INFORMATION

##### UNITED STATES

##### SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

**311/312 HAZARD CATEGORIES:** None

**FIRE:** No **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** No **CHRONIC:** No

##### EPCRA SECTION 313 SUPPLIER NOTIFICATION

Chemical Name	Wt.%	CAS	Comments
Polyvinyl alcohol	4 - 15	25213-24-5	CAS # 67-56-1 Methanol <1.5%

##### 302/304 EMERGENCY PLANNING

**EMERGENCY PLAN:** None

##### CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

Chemical Name	Wt.%
Polyvinyl alcohol	4 - 15

##### TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Polyvinyl alcohol	25213-24-5

**TSCA REGULATORY:** All components of this product are listed on the TSCA Inventory.

##### REGULATIONS

**STATE REGULATIONS:** None

**CALIFORNIA PROPOSITION 65:** None

**CLEAN WATER ACT:** None

**CARCINOGEN:** None

##### CANADA

**WHMIS (WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM):** Not a controlled product.

**DOMESTIC SUBSTANCE LIST (INVENTORY):** All components of this product are listed on the Domestic Substances List.

#### 16. OTHER INFORMATION

**REASON FOR ISSUE:** U.S. HazCom GHS Format

**APPROVED BY:** Ross Balfour    **TITLE:** Global Business Unit Manager

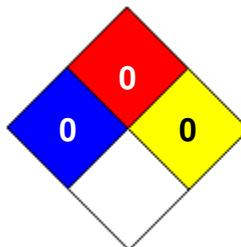
**PREPARED BY:** SDS Regulatory Specialist

**INFORMATION CONTACT:** Kathy Tylka

##### HMIS RATING

HEALTH	<input type="checkbox"/>	0
FLAMMABILITY	<input type="checkbox"/>	0
PHYSICAL HAZARD	<input type="checkbox"/>	0
PERSONAL PROTECTION	<input type="checkbox"/>	B

##### NFPA CODES



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