



## MATERIAL SAFETY DATA SHEET

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** GRAFIC HU4

**General Use:** Liquid emulsion for producing screen-printing stencils.

**Manufacturer:** SAATlchem  
2050 Hammond Dr. Schaumburg, IL 60173  
Tel: 1-847-925-8570 (Monday-Friday 8:30am – 5:00pm CST)  
Fax: 1-847-925-9278  
www.saatiamericas.com

**Emergency Telephone Number:** INFOTRAC 800-535-5053 or 352-323-3500, 24-hours everyday

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components	Percentage	CAS Number	OSHA PEL	ACGIH TLV
None				

\*\*\* The specific chemical identity and/or weight percent is being withheld as a trade secret

### 3. HAZARDS IDENTIFICATION

No evidence of health danger has been reported.  
**Medical conditions generally aggravated by exposure:** Dermatitis.  
**Symptomatic routes of exposure:**  
**Skin Contact:** Prolonged exposure may cause slight irritation.  
**Eye Contact:** Direct exposure may cause slight irritation.  
**Inhalation:** N/A  
**Ingestion:** Large quantities may cause gastro-intestinal irritation.

### 4. FIRST AID MEASURES

No episodes of damage to health ascribable to the product have been reported. Nevertheless, observance of good industrial hygiene is recommended.  
**Eyes:** Irrigate with water for 15 minutes. Seek medical advice if irritation persists.  
**Skin:** Wash with soap and water. Wash contaminated clothing separately before using them again.  
**Ingestion:** Drink plenty of water, seek medical attention and treat symptomatically. Do not give anything by mouth to an unconscious person.  
**Inhalation:** N/A

### 5. FIRE FIGHTING MEASURES

**Flash Point / Method:** N/A  
**Flammable Limits:** N/A  
**Extinguishing Media:** Water - to cool fire exposed containers, dry chemical, foam, CO2.  
**Autoignition Temperature:** N/A  
**Protection of Fire Firefighter:** Ordinary fire protection equipment.  
**Fire & Explosion Hazards:** None, product will not burn.

## 6. ACCIDENTAL RELEASE MEASURES

**Small spill:** Dilute with large amounts of water and flush to waste.

**Large spill:** Absorb with sand and transfer to proper disposal site.

## 7. HANDLING AND STORAGE

Store in dry, cool conditions and in the original containers. Gloves and goggles may be worn as a practice of good industrial hygiene.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering Controls:** Follow the good industrial hygiene practices adopting suitable individual protective measures such as gloves and goggles. Do not eat or smoke while handling the product. Wash hands before eating and at the end of the work shift.

**Respiratory Protection:** Not required.

**Skin Protection:** PVC/ Latex recommended.

**Eye Protection:** Goggles/ safety glasses recommended.

**Other:** Apron recommended.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Viscous liquid.

**Appearance:** Blue

**Odor:** slight

**Vapor Pressure:** N/A

**Specific Gravity:** 1.050 kg/L @ 20°C

**Solubility in Water:** Partially water soluble and partially solvent soluble.

**pH:** 4.0-6.0

**Vapor Density:** N/A

**Evaporation Rate:** N/A

**Boiling Point:** >100°C

**Melting Point:** 0°C

**Percent Volatiles:** >50

**Volatile Organic Compounds:** 0 g/L

## 10. STABILITY AND REACTIVITY

**Stability:** This product is stable in normal conditions of use and storage.

**Conditions to avoid:** Heat, sunlight.

**Materials to avoid:** The product may react exothermically on contact with strong oxidizing agents or reducers, strong acids or bases.

**Hazardous decomposition products:** Thermal decomposition and combustion release carbon monoxides and other toxic gases and vapors.

**Hazardous polymerization:** Will not occur.

## 11. TOXICOLOGICAL INFORMATION

According to currently available data, this product has not produced health damages. However, it should be handled according to good industrial practices.

**Carcinogenicity:** N/A

**Acute Toxicity Data:** LD<sub>50</sub>: N/A; LC<sub>50</sub>: N/A

## 12. ECOLOGICAL INFORMATION

No data are available on the adverse effects of this material on the environment.

### 13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with all current local, state, and federal regulations.

### 14. TRANSPORT INFORMATION

**US DOT:** Not Regulated

**Transport Canada:** Not Regulated

**IATA:** Not Regulated

**IMO:** Not Regulated

**ADR:** Not Regulated

**RID:** Not Regulated

**IMDG:** Not Regulated

### 15. REGULATORY INFORMATION

#### US Federal Regulations

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

**CERCLA (40 CFR 117.302):** This material contains no Reportable Quantity (RQ) Substances.

**SARA Title III (40 CFR 372)**

**Section 311/312 Hazard Categories:** None.

**Section 313 Reportable Ingredients:** None.

#### US State Regulations

**Pennsylvania Right-To-Know Act reportable components:** None.

**California Proposition 65 reportable components:** None.

#### Canadian Regulations

**DSL:** All components of this product are listed on the Domestic Substances List.

Danger labeling under regulations 67/548/CEE and 1999/45/CE and following amendments and adjustments.

Workers exposed to this chemical agent do not need to undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/CE regulation is respected.

### 16. OTHER INFORMATION

**HMIS Rating:** Health-0 , Fire-0 , Reactivity-0 ,



Personal Protection-B

**MSDS prepared by:** Joey Mucha, Regulatory Affairs Coordinator

**Preparation Date:** January 7, 2004

**Revision Date:** April 22, 2009

#### Note for users:

The information contained in the present sheet is based on our knowledge, on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product. This document must not be regarded as a guarantee on any specific product property. The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.