



## MATERIAL SAFETY DATA SHEET

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** DIAZO 1 and DIAZO 51

**General Use:** Light sensitive activator 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

**Dangerous** – Do not ingest. Dust may be irritating to respiratory system, eyes and skin.

**Medical conditions generally aggravated by exposure:** Dermatitis. Pre-existing respiratory conditions.

**Symptomatic routes of exposure:**

**Skin Contact:** Prolonged exposure will stain and may cause irritation.

**Eye Contact:** Direct exposure may cause irritation and tearing.

**Inhalation:** May cause respiratory irritation.

**Ingestion:** Large quantities may cause gastro-intestinal irritation.

### 4. FIRST AID MEASURES

**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:** Take the person to fresh air. Seek medical advice if irritation persists.

### 5. FIRE FIGHTING MEASURES

**Flash Point / Method:** N/A

**Flammable Limits:** N/A

**Extinguishing Media:** Water, dry chemical, foam.

**Autoignition Temperature:** N/A

**Protection of Fire Fighter:** Wear self contained breathing apparatus and protective clothing.

**Fire & Explosion Hazards:** High concentrations of airborne dust and/ or high temperatures may create a hazardous situation.

## 6. ACCIDENTAL RELEASE MEASURES

**Small spill:** Collect spilled material and transfer to proper disposal site.

**Large spill:** Collect spilled material and transfer to proper disposal site.

## 7. HANDLING AND STORAGE

Store in dry, cool conditions and in the original containers. Gloves, dust mask, and goggles may be worn as a practice of good industrial hygiene. Avoid raising dust in the air. Avoid heat and light.

## 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:** Dust mask recommended (3M/ # 8710)

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

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

**Other:** Apron recommended.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Light sensitive powder.

**Appearance:** yellow-orange

**Odor:** mild

**Vapor Pressure:** N/A

**Specific Gravity:** 0.60 kg/L @ 20°C

**Solubility in Water:** 30% @ 20°C

**pH:** N/A

**Vapor Density:** N/A

**Evaporation Rate:** N/A

**Boiling Point:** N/A

**Melting Point:** 120°C (decomposition)

**Percent Volatiles:** 0

**Volatile Organic Compounds:** 0 (less water and exempt solvents)

## 10. STABILITY AND REACTIVITY

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

**Conditions to avoid:** Heat, light, sources of ignition.

**Materials to avoid:** The product may react exothermically on contact with strong oxidizing and alkalis.

**Hazardous decomposition products:** Occurs at 120°C producing oxides of carbon, nitrogen, and sulfur.

**Hazardous polymerization:** Will not occur.

**Explosion Data:** High concentrations of airborne dust may create an explosion hazard.

## 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:** No

**Acute Toxicity Data:** LD<sub>50</sub>: 1643mg/kg oral (rat); LC<sub>50</sub> : N/D

## 12. ECOLOGICAL INFORMATION

Neutralize with soda ash or sodium bicarbonate before washing away with large quantities of water.

## 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-1 , Fire-1 , Reactivity-1 ,



Safety Glasses



Gloves



Dust Respirator

Personal Protection-E

**WHMIS Rating:** N/A

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

**Preparation Date:** January 27, 2006

**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.