



## MATERIAL SAFETY DATA SHEET

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** SAATlchem Remove IR4 (46736)

**General Use:** Removes ink from screen-printing screens

**Manufacturer:** SAATlchem  
2050 Hammond Dr. Schaumburg, IL. 60173  
Tel: 1-877-296-7697 or 1-847-296-7697 (Monday-Friday 8:00am – 4:30pm CST)  
Fax: 1-847-296-7408  
www.saatiamericas.com

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

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Components	Wt% Less Than	CAS Number	OSHA PEL	ACGIH TLV
Aliphatic dibasic ester	15.0	Mixture		
Tetrahydrofurfuryl alcohol	10.0	97-99-4		
Terpene hydrocarbons	10.0	5989-27-5	N/A	N/A
Aliphatic dibasic ester	5.0	56539-66-3		

### 3. HAZARDS IDENTIFICATION

**Emergency Overview:** COMBUSTIBLE LIQUID AND VAPOR.

#### Potential Health Effects

**Eye:** Causes eye irritation.

**Skin:** Causes skin irritation. Prolonged or repeated contact may result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

**Ingestion:** Harmful if swallowed. May cause central nervous system depression. Overexposure may cause nausea, diarrhea, and/or vomiting.

**Inhalation:** Vapors can cause irritation of the respiratory tract. High concentrations can cause Headache, nausea, weakness, lightheadedness, and stupor (CNS depression).

**Chronic Effects:** Overexposure may cause nervous system damage. Possible reproductive hazard.

**Carcinogenicity:** Not found to be a carcinogen

### 4. FIRST AID MEASURES

**Eyes:** Flush eyes with water for at least 15 minutes. Get medical attention promptly. Remove contact lenses if worn.

**Skin:** Wash affected area with soap and water. Remove contaminated shoes and clothes and clean before reuse. Get medical attention if irritation develops or persists.

**Ingestion:** Do not induce vomiting. Give victim a glass of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

**Inhalation:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, Give oxygen. Get immediate medical attention.

## 5. FIRE FIGHTING MEASURES

**Flash Point / Method:** 145°F (62.8°C)

**Flammable Limits:** Not Applicable

**Extinguishing Media:** Dry chemical, foam or carbon dioxide

**Autoignition Temperature:** Not Applicable

**Protection of Fire Firefighter:** **DO NOT USE WATER.** Water spray to cool containers or protect personnel. Use with caution. As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent) and full protective gear.

**Fire & Explosion Hazards:** Rags soaked with any solvent present a fire hazard and should be stored in UL listed or Factory Mutual approved, covered containers. Improperly stored rags can create conditions that lead to oxidation. Oxidation, under certain conditions, (especially if the temperature exceeds 180 F) can lead to spontaneous combustion. This product contains antioxidants to retard oxidation up to 180F.

## 6. ACCIDENTAL RELEASE MEASURES

**Small spill:** Contain spilled material. Transfer to secure containers. Prevent additional discharge of material if able to do so safely. Flush area with water to minimize residue.

**Large spill:** Absorb spill with inert material (e.g., dry sand or earth). Transfer to secure containers. Flush area with water to minimize residue. Dispose of in accordance with all current local, state, and federal regulations. Ventilate spill area.

## 7. HANDLING AND STORAGE

Store in a cool and dry area. Segregate from oxidizers and hazardous chemicals. Keep away from heat, sparks, and flame. Keep container closed when not in use. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering Controls:** Local exhaust ventilation may be necessary to control any air contaminants to within their TLVs during the use of the product.

**Respiratory Protection:** A NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits.

**Skin Protection:** Wear impervious protective gloves. Wear protective gear as needed –apron, suit, boots.

**Eye Protection:** Do not wear contact lenses. **Wear safety glassed with side shields (or goggles) and a face shield.**

**Other protective equipment:** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

**Hygienic Practices:** Do not eat, drink, or smoke in areas where this material is used. Avoid breathing vapors. Wash thoroughly after handling.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** liquid

**Appearance:** clear, transparent liquid

**Odor:** citrus

**pH:** 5.0-6.0

**Vapor Pressure:** N.D.

**Specific Gravity:** 1.0260 g/mL at 25C

**Solubility in Water:** Soluble

**Dielectric Strength:** N.D.

**Vapor Density:** >1 (air =1)  
**Evaporation Rate:** (NBAC = 1) <0.005 at 76F  
**Boiling Point:** >600F (315C) at 760 mmHg pressure  
**Melting Point:** N.D.  
**Volatile Organic Compounds:** 113g/L

## 10. STABILITY AND REACTIVITY

**Stability:** Not Determined  
**Conditions to avoid:** None Known  
**Materials to avoid:** Keep away from strong bases. Prevent contact with strong oxidizing agents. Keep separated from alkalies. Keep away from acids.  
**Hazardous decomposition products:** During combustion carbon dioxide may be formed. During combustion carbon monoxide may be formed.  
**Hazardous polymerization:** Not Determined

## 11. TOXICOLOGICAL INFORMATION

Product LD50: Not Determined  
Product LC50: Not Determined

Aliphatic dibasic ester: LD50 mg/kg =8191.0, LC50 mg/L =11.0  
Tetrahydrofurfuryl alcohol: LD50 mg/kg =1600.0  
Aliphatic dibasic ester: LD50 mg/kg =8191.0, LC50 mg/L =18.0

## 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:** Combustible liquid, UN1993  
**Packing Group:** III  
**DOT UN/NA Number:** NA1993

## 15. REGULATORY INFORMATION

### US Federal Regulations

**TSCA:** All components of this product are listed or are exempt from listing on the TSCA 8(b) 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:** Immediate health hazard, chronic health hazard

**Section 313 Reportable Ingredients:** None

### US State Regulations

**New Jersey Right-To-Know Act reportable components:** 9036-19-5

**Pennsylvania Right-To-Know Act reportable components:** 9036-19-5

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

**Canadian Regulations**

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

**16. OTHER INFORMATION**

**HMIS Rating:** Health-1 , Fire-2 , Reactivity-0 , Personal Protection- B

**MSDS prepared by:** Kathy Tylka, Regulatory Affairs Coordinator

**Preparation date:** May 3, 2007