



MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** REMOVE IR14 (792472)  
**General Use:** Removes ink from screen-printing screens  
**Manufacturer:** SAATI  
201 Fairview St. Ext. Fountain Inn, SC. 29644  
Tel: 1-864-601-8300  
Fax: 1-864-862-0089  
Hours: Monday-Friday 8:30am – 5:00pm  
<http://msds.saatiexpress.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	20.0	Mixture		
Tetrahydrofurfuryl alcohol	10.0	97-99-4		

▪ Classified as Combustible Liquid

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.

**Inhalation:** Irritating to respiratory system.

4. FIRST AID MEASURES

**Eyes:** Flush eyes with water for at least 15 minutes. Get medical attention promptly.

**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:** Rinse mouth. Get medical attention immediately.

**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:** 160F

**Flammable Limits:** Not Applicable

**Extinguishing Media:** Dry powder, carbon dioxide

**Autoignition Temperature:** Not Applicable

**Protection of Fire Firefighter:** Water spray may be ineffective on fire but can protect fire-fighters and cool closed containers. Use fog nozzles if water is used. Do not enter confined fire-space without full bunker gear. Use NIOSH approved positive-pressure self-contained breathing apparatus.

**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. Isolate from oxidizers, heat and open flame. Closed containers may explode if exposed to extreme heat.

6. ACCIDENTAL RELEASE MEASURES

**Spills:** Contain spilled material. Transfer to secure containers. Prevent additional discharge of material if able to do so safely. Absorb remaining liquid in sand or inert absorbent. 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.

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:** If exposure levels exceed PEL/TLV, use NIOSH-approved respirator with an organic vapor filter.

**Skin Protection:** Protective gloves.

**Eye Protection:** Safety glasses and/or face shield. Do not wear contact lenses.

**Other Protective Equipment:** Apron, vapor respirator recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** liquid

**Appearance:** clear, transparent liquid

**Odor:** ester

**pH:** Not Applicable

**Vapor Pressure:** 16.0mm of Hg

**Specific Gravity:** 1.0240 g/mL at 25C (8.527 lbs/GAL)

**Solubility in Water:** Soluble

**Evaporation Rate:** (NBAC = 1) <0.005 at 76F

**Boiling Point:** Not Available

Remove IR14

Revision Date: January 22, 2014

**Melting Point:** Not Available

**Volatile Organic Compounds:** 288.6 g/L (2.4 lbs/GAL)

**10. STABILITY AND REACTIVITY**

**Stability:** Stable under normal conditions

**Conditions to avoid:** Isolate from oxidizers, heat and open flame.

**Materials to avoid:** Prevent contact with strong oxidizing agents.

**Hazardous decomposition products:** During combustion carbon dioxide and carbon monoxide may be formed.

**Hazardous polymerization:** Will not occur.

**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

**12. ECOLOGICAL INFORMATION**

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

This product is completely biodegradable.

**13. DISPOSAL CONSIDERATIONS**

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

When used in accordance with the directions published in the SAATchem Technical Data Sheet, Remove IR14 is considered drain safe.

**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:** Acute Health, Fire

**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 III:** Health-2, Fire-2, Physical Hazard -0



Personal Protection- B

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

**Revision Date/Revision History:** December 29, 2010

January 17, 2012– Section 1: new address

January 22, 2014 - Logo

**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.