



## MATERIAL SAFETY DATA SHEET

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** REMOVE IR5 (47059)  
**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
Dipropylene glycol methyl ether	25.0	34590-94-8	100ppm	100ppm
Terpene hydrocarbons	25.0	5989-27-5	N/A	N/A
Surfactant	30.0	MIXTURE		
2-(2-butoxyethoxy)ethanol	25.0	112-34-5	50ppm	20ppm

▪ Classified as Combustible Liquid Class II (OSHA)

### 3. HAZARDS IDENTIFICATION

**Emergency Overview:** COMBUSTIBLE LIQUID AND VAPOR

#### Potential Health Effects

**Eye:** Severely irritating. Causes eye burns. If not removed promptly, will injure eye tissue, which may result in permanent damage.

**Skin:** Can be absorbed through skin and produce central nervous system effects. May cause allergic skin reaction. 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. Ingestion may result in nausea, vomiting, diarrhea and restlessness. Harmful or fatal if liquid is aspirated into lungs.

**Inhalation:** Vapors can cause irritation of the respiratory tract. Irritation to the respiratory system causes drowsiness and dizziness.

**Chronic Effects:** No Data

### 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:** 135°F

**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:** Vapors/dust may form explosive mixture with air. Can form explosive mixtures at temperatures above the flashpoint. Vapors may travel to source of ignition and flash back. DO NOT pressurize, cut, braze, solder, drill, grind, or expose such containers to heat, sparks, static electricity, or other sources of ignition.

### 6. ACCIDENTAL RELEASE MEASURES

**Spills:** Eliminate all ignition sources. Absorb spill with inert material (e.g., dry sand or earth). Transfer to secure containers. Prevent additional discharge of material if able to do so safely. Flush area with water to minimize residue. Use only non-combustible material for clean up. Avoid drainage into storm sewers and ditches, which lead to waterways.

### 7. HANDLING AND STORAGE

Follow all MSDS/label precautions even after containers are emptied because they may retain product residue. Ground and bond containers when transferring material. Use spark-proof tools and proof equipment. Keep away from heat, sparks, and flame. Keep closed when not in use. Avoid inhalation of vapors and spray mists.

### 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:** Safety gloves and apron.

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

Remove IR5

Revision Date: January 22, 2014

- Other Personal Protective Equipment:** Suit, suggested
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:** 0.9607 g/mL at 25C  
**Solubility in Water:** Partial  
**Dielectric Strength:** N.D.  
**Vapor Density:** >1 (air =1)  
**Evaporation Rate:** (NBAC = 1) <0.005 at 76F  
**Boiling Point:** N.D.  
**Melting Point:** N.D.  
**Volatile Organic Compounds:** 623g/L
10. **STABILITY AND REACTIVITY**  
**Stability:** Not Determined  
**Conditions to avoid:** Avoid impact, friction, heat, sparks or flame. Minimize exposure to air.  
**Materials to avoid:** Prevent contact with strong oxidizing agents.  
**Hazardous decomposition products:** During combustion carbon dioxide may be formed. During combustion carbon monoxide may be formed. Toxic gases/fumes are given off during burning or thermal decomposition.  
**Hazardous polymerization:** Not Determined
11. **TOXICOLOGICAL INFORMATION**  
Product LD50: Not Determined  
Product LC50: Not Determined  
Dipropylene glycol methyl ether: LD50 mg/kg 5.4  
2-(2-butoxyethoxy)ethanol: LD50 mg/kg 1480.0, LC50 mg/L 1.6
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.  
When used in accordance with the directions published in the SAATChem Technical Data Sheet, Remove IR5 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. If identified components of this product are listed under the TSCA 12(b) export notification rule, they will be listed below:  
Dipropylene glycol methyl ether CAS#34590-94-8  
2-(2-butoxyethoxy) ethanol 112-34-5  
1,2-ethanediol 107-21-1  
**CERCLA –SARA Hazard Category:** IMMEDIATE HEALTH HAZARD  
**SARA Title III (40 CFR 372)**  
**Section 313 Reportable Ingredients:** 112-34-5  
**US State Regulations**  
**New Jersey Right-To-Know Act reportable components:** none  
**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.
16. **OTHER INFORMATION**  
**HMIS III:** Health-1 , Fire-2 , Physical Hazard-0 ,
-     
Personal Protection- C Safety Glasses Gloves Protective Apron
- MSDS prepared by:** Kathy Tylka, Regulatory Affairs Coordinator  
**Revision Date/Revision History:** February 8, 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.

*Remove IR5*  
**Revision Date:** *January 22, 2014*