

Remove IR1

Revision Date: January 22, 2014



## MATERIAL SAFETY DATA SHEET

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** REMOVE IR1 (46587)  
**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  
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-TWA
Aliphatic Dibasic Ester	60.0	MIXTURE		
Glycol Ether	30.0	3459-94-8	100ppm	100ppm
Glycol Ether	15.0	107-98-2	150ppm	100ppm
Surfactant	15.0	9016-45-9		

- Classified as Combustible Liquid Class III A (OSHA)

### 3. HAZARDS IDENTIFICATION

**Emergency Overview: COMBUSTIBLE LIQUID** —Causes eye and skin irritation. In high concentrations, vapors can be irritating to the respiratory system. May be harmful if swallowed.

#### Potential Health Effects

**Eye:** Causes moderate to severe eye irritation, tearing and blurring of vision.

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

**Ingestion:** Presumed to be slightly toxic if swallowed.

**Inhalation:** May cause respiratory tract irritation. High concentrations may produce central nervous system depression.

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

### 4. FIRST AID MEASURES

**Eyes:** Flush eyes with water for at least 15 minutes. Seek medical attention immediately.

**Skin:** Wash affected area with soap and water. Seek medical attention if irritation persists.

**Ingestion:** Dilute with liquids unless victim is unconscious or very drowsy. Do not induce vomiting to prevent aspiration into the lungs. Get medical attention immediately.

**Inhalation:** Remove to fresh air. Provide oxygen if breathing is difficult. Get medical attention if irritation persists.

### 5. FIRE FIGHTING MEASURES/Flash Point / Method: 147F

**Flammable Limits:** Not Applicable

**Extinguishing Media:** Water fog, dry chemical, foam or carbon dioxide

**Autoignition Temperature:** Not Applicable

**Protection of Fire Fighter:** Wear full protective equipment and self-contained, positive pressure breathing apparatus.

**Fire & Explosion Hazards:** WARNING: Combustible; containers exposed to intense heat and flames should be cooled with water to prevent vapor pressure from building up and rupturing the container.

### 6. ACCIDENTAL RELEASE MEASURES

**Spills:** Contain spilled material. Absorb with inert material (e.g., clay, dry sand or earth) and transfer to secure containers.

Flush area with water to minimize residue. If a vapor cloud forms, suppress with water fog. Dispose of in accordance with all current local, state, and federal regulations

### 7. HANDLING AND STORAGE

Store in a cool and dry area. Segregate from oxidizers and hazardous chemicals.

Avoid contact with eyes, skin, and clothing. Avoid inhalation of vapors and spray mists. Wash thoroughly after handling.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering Controls:** Good general ventilation should be sufficient to control airborne levels. At least 10 air changes per hour are recommended.

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

**Skin Protection:** Neoprene gloves.

**Eye Protection:** Safety glasses and/or face shield. Contact lenses should not be worn.

**Other Protective Equipment:** Apron and vapor respirator, suggested.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** liquid

**Appearance:** clear to amber liquid

**Odor:** slight solvent odor

**pH:** Not Applicable

**Vapor Pressure:** 0.9 mmHg at 68F (calculated)

**Specific Gravity:** 1.0368

**Solubility in Water:** Negligible at room temperature

**Vapor Density:** (AIR=1) >1

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**Evaporation Rate:** (ETHER = 1) <1

**Boiling Range:** 248F-487F

**Melting Point:** Not Applicable

**Volatile Organic Compounds:** 911g/L

**10. STABILITY AND REACTIVITY**

**Stability:** Stable

**Conditions to avoid:** Sparks, flames, and other sources of heat

**Materials to avoid:** Strong oxidizing agents, acids and alkaline materials

**Hazardous decomposition products:** Carbon oxides and nitrogen oxides

**Hazardous polymerization:** will not occur

**11. TOXICOLOGICAL INFORMATION**

**Carcinogenicity:** None Known

**Dipropylene glycol methyl ether:** 5.4 LD50mg/kg

**1-methoxy-2-propanol:** 6040 LD50mg/kg, 12.5 LC50mg/L

**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 SAATIchem Technical Data Sheet, Remove IR1 is considered drain safe.

**14. TRANSPORT INFORMATION**

**US DOT:** Combustible Liquids, n.o.s. (contains glycol ether), NA1993, PGIII

**15. REGULATORY INFORMATION**

**US Federal Regulations**

**CERCLA-SARA Hazard Category**

IMMEDIATE HEALTH HAZARD, CHRONIC HEALTH HAZARD, FIRE HAZARD

**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

**TSCA 8(b):** All components of this product are listed or are exempt from listing on the TSCA 8(b) inventory.

**TSCA 12(b):** CAS#34590-94-8

**US State Regulations**

**New Jersey Right-To-Know Act reportable components:** CAS# 9016-45-9

**Pennsylvania Right-To-Know Act reportable components:** CAS# 9016-45-9

**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- B

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

**Revision Date/Revision History:** February 8, 2010

January 17, 2012– Section 1 : new address

November 19, 2012 – Section 5: flash point

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.