



## MATERIAL SAFETY DATA SHEET

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** REMOVE IR18 (49523)  
**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 esters	45.0	Mixture		
2-(2-butoxyethoxy) ethanol	45.0	112-34-5	50 ppm	20 ppm

### 3. HAZARDS IDENTIFICATION

**Emergency Overview:** No information

#### Potential Health Effects

**Eye:** Moderately irritating to the eyes causing transient corneal injury. Symptoms may include stinging, tearing, redness, swelling and blurred vision.

**Skin:** Causes skin irritation. Can be absorbed through skin and produce central nervous system effects. May cause allergic skin reaction. Prolonged and/or repeat skin contact may result in mild irritation or redness and blurred vision.

**Ingestion:** Ingestion may cause gastrointestinal tract irritation. Ingestion may cause liver and kidney damage. Overexposure may cause nausea, diarrhea, and/or vomiting. May cause dizziness and drowsiness and/or stupor.

**Inhalation:** Vapors can cause irritation of the respiratory tract. High concentrations can cause headache, nausea, weakness, lightheadedness, and stupor. May cause blurred vision

**Chronic Hazards:** Overexposure may cause nervous system damage. May cause delayed lung damage. Overexposure may cause kidney damage. Significant exposure to this chemical may adversely affect people with chronic disease of the respiratory system, central nervous system, kidney, liver, skin and/or eyes.

### 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:** >200 (TCC)

**Flammable Limits:** Not Applicable

**Extinguishing Media:** Dry chemical, foam or carbon dioxide, water fog.

**Autoignition Temperature:** Not Applicable

**Protection of Fire Firefighter:** As in any fire, wear self-contained breathing apparatus pressure-demand and full protective gear. Avoid use of solid water streams. Water spray to cool containers or protect personnel. Use with caution. Water runoff can cause environmental damage. Dike and collect water used to fight fire.

**Fire & Explosion Hazards:** Empty containers retain product residue and can be dangerous. DO NOT pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. Also, do not reuse containers without commercial cleaning or reconditioning.

### 6. ACCIDENTAL RELEASE MEASURES

**Spills:** Contain spilled material. 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. 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. Avoid inhalation of vapors and spray mists. 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:** If exposure levels exceed PEL/TLV, use NIOSH-approved respirator with an organic vapor filter.

**Skin Protection:** Protective gloves and apron.

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

**Other Protective Equipment:** Suit, recommended

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** liquid

Remove IR18  
Revision Date: January 22, 2014

**Appearance:** clear, transparent liquid

**Odor:** typical

**pH:** N.D.

**Vapor Pressure:** N.D.

**Specific Gravity:** 1.020g/mL at 25C

**Solubility in Water:** Soluble

**Dielectric Strength:** N.D.

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

**Evaporation Rate:** N.D.

**Boiling Point:** N.D.

**Melting Point:** N.D.

**Volatile Organic Compounds:** 311g/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

LD50 for Remove IR18: Not Determined

LC50 for Remove IR18: Not Determined

#### 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 IR18 is considered drain safe. Remove IR18 does not contain or generate any subject pollutants listed under Municipal Code Chapter 681, Article 1, Appendix 2 (Toronto sewer use bylaw #457-2000).

#### 14. TRANSPORT INFORMATION

**US DOT:** Not regulated

#### 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.

This product contains the following substance subjected to the reporting requirements of TSCA 12(B) if exported from the United States: Aliphatic dibasic ester MIXTURE

**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 hazard, Chronic Health Hazard

**Section 313 Reportable Ingredients:** 2-(2-butoxyethoxy) ethanol CAS# 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-2 , Fire-1 , Physical Hazard -0 ,

Personal Protection- C



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

**Revision Date/Revision History:** September 13, 2012 – initial release

November 18, 2013 – Section 13

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.