



MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Remove IR4 (46736)
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	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		

- Classified as Combustible Liquid Class IIIA (OSHA)

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) Tested

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

Spills: 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. 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.

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.

Remove IR4

Revision Date: January 22, 2014

- Other Protective Equipment:** Apron, vapor respirator recommended.
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 alkalis. 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.
When used in accordance with the directions published in the SAATchem Technical Data Sheet,
Remove IR4 is considered drain safe
14. **TRANSPORT INFORMATION**
US DOT: Combustible liquid, UN1993
Packing Group: III
DOT UN/NA Number: NA1993
IMO: 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.
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 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

October 21, 2010 – Section 14, IMO

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.