



MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: SAATlchem Remove IR10 (47132)
General Use: Removes ink from screen-printing screens
Manufacturer: SAATlchem
2050 Hammond Dr. Schaumburg IL. 60173
Tel: 1-877-296-7697 or 1-847-296-7697 (Monday-Friday 8:00am – 4:30pm CST)
Fax: 1-847-296-7408
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
Terpene hydrocarbons	25.0	5989-27-5		
Dipropylene glycol methyl ether	25.0	34590-94-8	100ppm	100ppm
2-(2-butoxyethoxy) ethanol	20.0	112-34-5	50ppm	20ppm
Aliphatic hydrocarbons	15.0	68551-17-7		
Alcohol ethoxylate	10.0	34398-01-1		

3. HAZARDS IDENTIFICATION

Emergency Overview: COMBUSTIBLE LIQUID AND VAPOR.

Potential Health Effects

Eye: Moderately irritating to the eyes causing transient corneal injury.

Skin: Can be absorbed through skin and produce central nervous system effects. May cause allergic skin reaction. Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash). Causes skin irritation.

Ingestion: May cause dizziness and drowsiness and/or stupor. Ingestion may cause liver and kidney damage. Harmful if swallowed. Overexposure may cause nausea, diarrhea, and/or vomiting. Irritating to mouth, throat, and stomach.

Inhalation: Irritating to the respiratory system. May cause drowsiness and dizziness. Dust/Mist irritates nose and throat. Vapors can cause irritation of the respiratory tract. High concentrations can cause headache, nausea, weakness, lightheadedness, and stupor (CNS depression).

Chronic Hazards: 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. May cause delayed lung damage. Overexposure may cause kidney damage.

Overexposure may cause nervous system damage.

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: Remove contaminated shoes and clothes and clean before reuse. Wash with soap and water. Get medical attention if irritation develops or persists.

Ingestion: Do not induce vomiting to prevent aspiration into the lungs. Do not give liquids. Get medical attention immediately.

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

5. FIRE FIGHTING MEASUR

Flash Point / Method: 138F

Flammable Limits: Not Applicable

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

Unusual Fire and Explosion Hazards: **WARNING.** Vapors/dust may form explosive mixture with air. Combustible Liquid. Can form explosive mixtures at temperatures at or above the flashpoint. Empty containers retain product residue (liquid and/or vapor) 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. Vapors can travel to a source of ignition and flash back.

Autoignition Temperature: Not Applicable

Protection of Fire Firefighter: Wear full protective equipment and self-contained, positive pressure breathing apparatus. Water spray and foam must be applied carefully to avoid frothing.

6. ACCIDENTAL RELEASE MEASURES

Small spill: 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.

Large spill: Absorb spill with inert material (e.g., dry sand or earth). Transfer to secure containers. Flush area with water to minimize residue. Dispose of in accordance with all current local, state, and federal regulations. Ventilate spill area.

7. HANDLING AND STORAGE

Handling: Avoid breathing vapor, fumes or mist. If peroxide formation is suspected, do not open or move container. Potential peroxide former. Avoid contact with eyes, skin, and clothing. When transferring, follow proper grounding procedures. Use spark-resistant tools. Do not load into compartments adjacent to heated cargo. Follow all MSDS/label precautions even after containers are emptied because they may retain product residue. Use spark-proof tools and explosion proof equipment. Use only in well ventilated area.

Storage: Storage under nitrogen atmosphere is recommended. Containers can build up pressure if exposed to heat (fire). Store containers in cool, well ventilated place. Keep away from heat, sparks, and flame. Keep from freezing. Keep container closed when not in use.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Use explosion-proof ventilation equipment. Local exhaust ventilation may be necessary to control any air contaminants to within their TLVs during the use of the product.

Respiratory Protection: A NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits.

Skin Protection: Wear protective gear as needed – apron, suit, boots. Where contact is likely, wear chemical resistant gloves, a chemical suit, rubber boots, and chemical safety goggles plus a face shield. Wear impervious gloves to prevent contact with skin.

Eye Protection: Safety glasses, goggles or face shield. Contact lenses should not be worn.

Other Protective equipment: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: liquid

Appearance: clear liquid
Odor: typical
pH: N.D.
Vapor Pressure: N.D.
Specific Gravity: 0.8957
Solubility in Water: partial
Vapor Density: (AIR=1) >1
Evaporation Rate: (ETHER = 1) <1
Melting Point: Not Applicable
Volatile Organic Compounds: 545g/L

10. STABILITY AND REACTIVITY

Stability: N.D.

Conditions to avoid: Sparks, flames, and other sources of heat. Minimize exposure to air.

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

Hazardous decomposition products: Carbon oxides. Toxic gases/fumes are give off during burning or thermal decomposition.

Hazardous polymerization: N.D.

11. TOXICOLOGICAL INFORMATION

Product LD50: N.D.

Product LC50: N.D.

Dipropylene glycol methyl ether: LD50mg/kg = 5.4

2-(2-butoxyethoxy)ethanol: LD50mg/kg = 1480, LC50mg/L = 1.6

Alcohol ethoxylate: LD50mg/kg = 2750

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.

14. TRANSPORT INFORMATION

US DOT: Flammable Liquid, n.o.s. (contains D'Limonene, dipropylene glycol methyl ether), NA1993, PGIII

15. REGULATORY INFORMATION

US Federal Regulations

CERCLA-SARA Hazard Category

IMMEDIATE HEALTH HAZARD, CHRONIC HEALTH HAZARD, FIRE HAZARD

SARA Title III (40 CFR 372)

Section 313 Reportable Ingredients: 112-34-5

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

TSCA 12(b): 34590-94-8, 112-34-5, 107-21-1

US State Regulations

New Jersey Right-To-Know Act reportable components: CAS# 29911-28-2

Pennsylvania Right-To-Know Act reportable components: CAS# 29911-28-2

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 Rating: Health-1, Fire-2, Reactivity-0

Personal Protection- F

			
Safety Glasses	Gloves	Protective Apron	Dust Respirator

MSDS prepared by: Kathy Tyka, Regulatory Affairs Coordinator

Preparation Date: April 9, 2008