



**MATERIAL SAFETY DATA SHEET**

**1. PRODUCT AND COMPANY IDENTIFICATION**

**Product Name:** SAATIchem REMOVE ER10  
**General Use:** Removes screen-printing stencils from fabric  
**Manufacturer:** SAATIchem  
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**

Hazardous Components	Percentage	CAS Number	OSHA PEL	ACGIH TLV
Periodic Acid	50	10450-60-9	Not Determined	Not Determined

\*\*\* The specific chemical identity and/or weight percent is being withheld as a trade secret

**3. HAZARDS IDENTIFICATION**

**Emergency Overview**

Clear, colorless liquid with slight odor. **CAUTION—Oxidizer**, may ignite organic and other easily oxidizable materials. **Corrosive** – May cause burns to eyes and skin. May cause irritation and possibly burns to digestive and respiratory tracts.

**Potential Health Effects**

- Eye:** Direct contact will cause irritation and possibly permanent corneal opacification.
- Skin:** May cause irritation and possibly burns.
- Ingestion:** May be harmful if swallowed, possible burns and/ or perforation of the digestive tract.
- Inhalation:** Vapor may cause irritation and destruction to the mucous membranes of the respiratory tract.

**Chronic Effects/Carcinogenicity:** None known.

**4. FIRST AID MEASURES**

- Eyes:** Immediately flush with water at least 15 minutes. Get medical attention immediately.
- Skin:** Flush with large amounts of water. Get medical attention if irritation persists.
- Ingestion:** Do not induce vomiting. Get medical attention immediately.
- Inhalation:** Remove to fresh air. Get medical attention if breathing difficulties persists.

**5. FIRE FIGHTING MEASURES**

**Flash Point / Method:** Not applicable  
**Flammable Limits:** Not available

**Extinguishing Media:** Water spray.  
**Autoignition Temperature:** Not available  
**Protection of Fire Firefighter:** Wear full protective equipment and self-contained breathing apparatus.  
**Fire & Explosion Hazards:** Non-flammable and not an explosion hazard, but it is an oxidizing agent. Emits toxic fumes under fire conditions.

## 6. ACCIDENTAL RELEASE MEASURES

**Small spill:** Flush to waste with large quantities of water. Mop with water soaked towels, dry paper towels may smolder and ignite.

**Large spill:** Absorb spill with inert material (e.g., dry sand or earth). Flush area with water to minimize residue.

## 7. HANDLING AND STORAGE

Store in a cool and dry area. Segregate from other hazardous chemicals. Avoid contact with eyes, skin, and clothing. Avoid breathing mist. Wash thoroughly after handling.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering Controls:** Good general ventilation should be sufficient to control airborne levels.

**Respiratory Protection:** There are no known exposure limits for this product; however, when it is used as supplied by the manufacturer, respiratory protection is recommended. Respiratory protection is not required when it is used in the diluted form, 1:80 by volume.

**Skin Protection:** Neoprene gloves

**Eye Protection:** Safety glasses

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Liquid

**Appearance:** Clear, colorless

**Odor:** Slight

**Vapor Pressure:** as water

**Specific Gravity:** 1.4

**Solubility in Water:** Complete

**pH:** <2.0

**Vapor Density:** 7.9

**Evaporation Rate:** <1 (butyl acetate=1)

**Boiling Point:** Not available

**Melting Point:** 252°F (122°C)

**Percent Volatiles:** 50%

**Volatile Organic Compounds:** 0 g/L

## 10. STABILITY AND REACTIVITY

**Stability/Conditions to avoid:** Stable

**Materials to avoid:** Reducing agents, finely powdered metals, strong bases, dimethyl sulfoxide, flammables

**Conditions to avoid:** heat, direct sunlight

**Hazardous decomposition products:** None under normal conditions. Iodine/ oxides of iodine are possible in extreme heat.

**Hazardous polymerization:** Will not occur

## 11. TOXICOLOGICAL INFORMATION

Not found to be a carcinogen  
Acute Toxicity Data: LD<sub>50</sub>, LC<sub>50</sub> 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.

## 14. TRANSPORT INFORMATION

**US DOT:** Oxidizing Liquid, corrosive, n.o.s. (Periodic Acid Solution), 5.1, UN3098, PG II  
**Transport Canada:** Oxidizing Liquid, corrosive, n.o.s. (Periodic Acid Solution), 5.1, UN3098, PG II  
**IATA:** Oxidizing Liquid, corrosive, n.o.s. (Periodic Acid Solution), 5.1, UN3098, PG II  
**IMO:** Oxidizing Liquid, corrosive, n.o.s. (Periodic Acid Solution), 5.1, UN3098, PG II

## 15. REGULATORY INFORMATION

### US Federal Regulations

**TSCA:** All components of this product are listed on the TSCA 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:** None

**Section 313 Reportable Ingredients:** None

### US State Regulations

**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 Rating:** Health-3, Fire-0, Reactivity-1, Personal Protection-J

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

**Supersedes Date:** September 6, 2006

**Revision Date:** November 7, 2006