



## MATERIAL SAFETY DATA SHEET

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** REMOVE ER10

**General Use:** Removes screen-printing stencils from fabric

**Manufacturer:** SAATlchem  
2050 Hammond Dr. Schaumburg, IL 60173  
Tel: 1-847-925-8570 (Monday-Friday 8:30am – 5:00pm CST)  
Fax: 1-847-925-9278  
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:** Wear OSHA/MSHA approved full or half face pieces (with chemical goggles) respiratory protective equipment for routine work purposes when air concentration exceed the permissible exposure limit.

Respiratory protection is not required when it is used in the diluted form, 1:80 by volume.

**Skin Protection:** Neoprene gloves (concentrated and diluted form)

**Eye Protection:** Safety goggles (concentrated form)

Safety glasses (when used in diluted form 1:80)

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Liquid

**Appearance:** Clear, colorless

**Odor:** Slight

**Vapor Pressure:** as water

**Specific Gravity:** 1.58

**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

Remove ER10

**Revision Date:** August 17, 2009

**US DOT:** Corrosive liquid, oxidizing n.o.s. (Periodic Acid Solution), 8 (5.1), UN3093, PG II  
**Transport Canada:**, Corrosive liquid, oxidizing n.o.s. (Periodic Acid Solution), 8 (5.1), UN3093, PG II  
**IATA:**, Corrosive liquid, oxidizing n.o.s. (Periodic Acid Solution), 8 (5.1), UN3093, PG II  
**IMO:**, Corrosive liquid, oxidizing n.o.s. (Periodic Acid Solution), 8 (5.1), UN3093, 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 III Rating:** Health-3, Fire-0, Physical Hazard -1,  
Personal Protection- H (when handled in concentrated form)



Personal Protection – B (when used diluted 1:80)



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

**Revision Date:** August 17, 2009

### 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.