



## MATERIAL SAFETY DATA SHEET

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** SAATIchem Remove HR1

**General Use:** Removes stains from screen printing mesh.

**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
Sodium Hydroxide	<10	1310-73-2	2 mg/m <sup>3</sup> TWA	2 mg/m <sup>3</sup> STEL
Sodium Hypochlorite	<6	7681-52-9	0.5ppm TWA 1.0ppm STEL	1.0ppm TWA 3.0ppm STEL
Dipropylene Glycol Dimethyl Ether	<6	111109-77-4	Not Determined	Not Determined

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

### 3. HAZARDS IDENTIFICATION

#### Emergency Overview

Viscous pale - yellow liquid. **Caution** – Corrosive, Causes burns, damage to tissue, and irritation to eyes and respiratory tract. Harmful if swallowed.

#### Potential Health Effects

- Eye:** Direct contact will cause severe irritation and possibly damage eye tissue.
- Skin:** Direct contact will irritate and possible damage tissue.
- Ingestion:** Will damage mucous membranes and tissues of the gastrointestinal tract.
- Inhalation:** Inhalation of mist will irritate the respiratory tract.

**Chronic Effects/Carcinogenicity:** Chronic effects have not been found. Product is not a carcinogen.

### 4. FIRST AID MEASURES

**Eyes:** Immediately flush eyes with large quantities of water for a minimum of 15 minutes. Seek medical attention.

**Skin:** Immediately flush skin with large quantities of water for a minimum of 15 minutes. Seek medical attention if irritation persists. Wash clothing before reuse.

**Ingestion:** Contact a physician or poison control center immediately. Drink enough water or fruit juice to neutralize. Do not induce vomiting. Do not give anything orally to an unconscious person.

**Inhalation:** If overexposure occurs, remove to fresh air. Seek medical attention, if irritation persists.

### 5. FIRE FIGHTING MEASURES

**Flash Point / Method:** Not Determined

**Flammable Limits:** Lower Explosive Limit (LEL) – Not Determined; Upper Explosive Limit– Not Determined

**Extinguishing Media:** Alcohol foam, carbon dioxide, dry chemical, or water spray

**Autoignition Temperature:** Not Determined

**Protection of Fire Firefighter:** Wear full protective equipment and self-contained breathing apparatus.

**Fire & Explosion Hazards:** During a fire, smoke may contain the original irritating compounds and unidentified toxic compounds.

## 6. ACCIDENTAL RELEASE MEASURES

**Small spill:** Flush to waste with large quantities of water.

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

## 7. HANDLING AND STORAGE

It is recommended that initial rinsing of product from the mesh is done with low-pressure water to minimize misting.

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:** Local exhaust required in area of use. Good general ventilation should be sufficient to control airborne levels. Wear required safety equipment. Avoid personal contact. If contact does occur, wash immediately.

**Respiratory Protection:** Organic vapor cartridge with mist prefilter when excess vapor is likely in breathing zone

**Skin Protection:** Neoprene gloves

**Eye Protection:** Safety goggles/ face shield

**Other:** Protective apron and boots are also recommended

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** liquid

**Appearance:** pale yellow

**Odor:** slight odor

**Vapor Pressure:** Not Determined

**Specific Gravity:** 1.24

**Solubility in Water:** Miscible

**pH:** 14

**Vapor Density:** > 1

**Evaporation Rate:** < 1

**Boiling Point:** > 212 F

**Melting Point:** Not Determined

**Percent Volatiles:** <75%

**Volatile Organic Compounds:** 61.7g/L

## 10. STABILITY AND REACTIVITY

**Stability/Conditions to avoid:** Sodium hypochlorite slowly decomposes on contact with air. Rate of decomposition increases with concentration, temperature, and sunlight.

**Materials to avoid:** Avoid strong oxidizing and reducing agents, acids, ammonia, ammonium salts, amines, organic materials

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

**Hazardous decomposition products:** Carbon dioxide, carbon monoxide, When heated to decomposition, toxic fumes of NO<sub>x</sub> may be emitted

**Hazardous polymerization:** Will not occur

## 11. TOXICOLOGICAL INFORMATION

**Carcinogenicity:** None

**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:** Corrosive Liquids, n.o.s., (sodium hydroxide), 8, UN1760, PGII

**Transport Canada:** Corrosive Liquids, n.o.s., (sodium hydroxide), 8, UN1760, PGII

**IATA:** Corrosive Liquid, n.o.s., (sodium hydroxide), 8, UN1760, PGII

**IMO:** Corrosive Liquid, n.o.s., (sodium hydroxide), 8, UN1760, PGII

## 15. REGULATORY INFORMATION

### US Federal Regulations

**TSCA:** All components of this product are listed on the TSCA Inventory.

**CERCLA (40 CFR 117.302):** Components requiring reporting under the statute: Sodium Hydroxide (CAS#1310-73-2), RQ=1000 lbs.

### 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:** Components requiring reporting under the statute: Sodium Hydroxide (CAS#1310-73-2)

**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-3 , Fire-1 , Reactivity-1 , Personal Protection- J

**Revision Summary:** New Format

**MSDS prepared by:** Joey Mucha, Regulatory Affairs Coordinator

**Supersedes Date:** July 29, 2003

**Preparation Date:** November 7, 2006