



MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Remove HR10  
**General Use:** Removes stains from screen-printing mesh  
**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

Hazardous Components	Wt. % Less Than	CAS Number	OSHA PEL	ACGIH TLV
Potassium Hydroxide	30.0	1310-58-3	2 mg/m <sup>3</sup> TWA	2 mg/m <sup>3</sup> STEL
Tetrahydrofurfuryl alcohol	15.0	97-99-4		

3. HAZARDS IDENTIFICATION

**Emergency Overview**

Viscous pale yellow to light brown liquid. **Caution** – Corrosive, causes burns. Combustible liquid and vapor. Can cause eye burns and permanent tissue damage. Harmful if swallowed.

**Potential Health Effects**

**Eye:** Contact can cause possible blindness. Corrosive. Can cause eye burns and permanent tissue damage.  
**Skin:** Causes skin burns. Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash). Corrosive, causes permanent skin damage (scarring).  
**Ingestion:** May cause central nervous system depression. Harmful or fatal if liquid is aspirated into lungs. Harmful if swallowed. Overexposure may cause nausea, diarrhea, and/or vomiting. Corrosive and may cause severe and permanent damage to mouth, throat, and stomach.  
**Inhalation:** May cause severe burns and tissue damage to the upper respiratory tract. Prolonged exposure to large concentrations can result in loss of teeth, chemical pneumonitis and possible loss of consciousness and/or severe lung damage. Dust/mist irritates nose and throat. Can cause nausea, dizziness, headache, and stupor.  
**Chronic Effects/Carcinogenicity:** Causes severe skin and eye burns. Overexposure may cause nervous system damage. Possible reproductive hazard.

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. Remove clothing. Get medical attention immediately. Wash clothing separately before reuse. Remove and clean contaminated shoes.  
**Ingestion:** Do not induce vomiting. Do not give liquids. Obtain emergency medical attention immediately.  
**Inhalation:** Rescuers should put on appropriate protective gear. Remove from area of exposure. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Keep victim warm. Get immediate medical attention.

5. FIRE FIGHTING MEASURES

**Flash Point / Method:** 180  
**Flammable Limits:** Lower Explosive Limit (LEL) – Not Determined; Upper Explosive Limit– Not Determined  
**Extinguishing Media:** Carbon dioxide, dry chemical, foam or water spray  
**Autoignition Temperature:** Not Determined  
**Protection of Fire Firefighter:** Avoid use of solid water streams. As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent) and full protective gear. Water spray to cool containers or protect personnel. Use with caution. Water runoff can cause environmental damage. Dike and collect water used to fight fire.  
**Fire & Explosion Hazards:** Empty containers retain product residue (liquid and/or vapor) 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 container without commercial cleaning or reconditioning. Combustible liquid and vapor.

6. ACCIDENTAL RELEASE MEASURES

**Spills:** Flush spill area with water after clean up. Neutralize spill with any dilute inorganic acid. Eliminate all ignition sources. Do not touch or walk through spilled material. Prevent additional discharge of material if able to do so safely. Ventilate spill area. Stay upwind of spill. Avoid runoff into storm sewers and ditches, which lead to waterways. Absorb spill with inert material (e.g. dry sand or earth), then place in chemical waste container. Use only non-combustible material to clean up.

7. HANDLING AND STORAGE

**Handling:** Avoid breathing vapor, fumes or mist. 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 residues. Use only in well ventilated area.  
**Storage:** Store containers in a cool, well-ventilated place. Keep away from heat, sparks, and flame. Keep container closed when not in use.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Remove HR10

Revision Date: January 22, 2014

**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 this product.

**Respiratory Protection:** NIOSH/MSHA approved respirators may be necessary if airborne concentrations are expected to exceed exposure limits.

**Skin Protection:** Wear impervious gloves and apron.

**Eye Protection:** Safety glasses. Do not wear contact lenses.

**Other Protective Equipment:** Suit and vapor respirator, suggested.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** liquid

**Appearance:** pale liquid

**Odor:** slight odor

**Vapor Pressure:** N. D.

**Specific Gravity:** 1.280

**Solubility in Water:** soluble

**pH:** 14

**Vapor Density:** > 1

**Evaporation Rate:** < 1

**Boiling Point:** N. D.

**Melting Point:** N. D.

**Volatile Organic Compounds:** 141g/L

## 10. STABILITY AND REACTIVITY

**Stability/Conditions to avoid:** Avoid excess heat and sources of ignition. Stability of this product has not been determined.

**Incompatibility:** Violent reaction with water. Avoid contact with strong reducing agents. Prevent contact with strong oxidizing agents. Keep away from strong bases. Avoid contact with metals. Keep away from acids.

**Hazardous decomposition products:** Carbon dioxide, carbon monoxide, When heated to decomposition, toxic fumes may be emitted

**Hazardous polymerization:** N. D.

## 11. TOXICOLOGICAL INFORMATION

**Carcinogenicity:** None

**Acute Toxicity for product:** LD<sub>50</sub>, LC<sub>50</sub> Not Determined

**Individual components:** Tetrahydrofurfuryl alcohol LD50 mg/kg = 1600  
Potassium Hydroxide LD50 mg/kg = 365

## 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.

**Packaging Group:** III

**DOT Hazard Class:** 8

**DOT UN/NA Number:** UN1760

## 15. REGULATORY INFORMATION

### US Federal Regulations

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

**CERCLA – SARA Hazard Category**

IMMEDIATE HEALTH HAZARD, FIRE HAZARD

**SARA Section 313:** none

### US State Regulations

**New Jersey Right-To-Know Act:** Potassium Hydroxide CAS#1310-58-3

**Pennsylvania Right-To-Know Act reportable components:** Potassium Hydroxide CAS#1310-58-3

**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-3 , Fire-2 , Physical Hazard- 0



Personal Protection- C

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

**Revision Date/Revision History:** September 13, 2012

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.