MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: **Remove HR3**
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	Percentage	CAS Number	OSHA PEL	ACGIH TLV
Sodium Hydroxide	< 20	1310-73-2	2 mg/m^3 TWA	2 mg/m^3 STEL
Proprietary Solvent A	***	***	Not Determined	Not Determined
Proprietary Solvent B	***	***	Not Determined	Not Determined

3. HAZARDS IDENTIFITION

Emergency Overview
White paste with slight odor. **Caution** – Corrosive, Causes burns and damage to tissue. Irritating to respiratory system.
Potential Health Effects
Eye: Direct contact will irritate and possible 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.
Inhalation: If overexposure occurs, remove to fresh air. Seek medical attention.

5. FIRE FIGHTING MEASURES

Flash Point / Method: > 248 F (TCC)
Flammable Limits: Lower Explosive Limit (LEL) **–** Not Determined; Upper Explosive Limit**–** 0.8%
Extinguishing Media:. Alcohol foam, carbon dioxide, dry chemical, or water spray.
Autoignition Temperature: 914 F
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: : If exposure levels exceed the PEL/TLV, use NIOSH-approved respirator with an organic vapor filter.
Skin Protection: Neoprene gloves and apron required
Eye Protection: Safety glasses / goggles required
Other Protective Equipment: Vapor respirator suggested.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: paste
Appearance: White
Odor: slight odor
Vapor Pressure: < 0.05mmHg at 25 C
Specific Gravity: 1.1253
Solubility in Water: Miscible
pH: 14
Vapor Density: > 1
Evaporation Rate: < 1
Boiling Point: > 212 F
Melting Point: < 32 F

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Volatile Organic Compounds: 98.9 g/L

10. STABILITY AND REACTIVITY

Stability/Conditions to avoid: Stable
Materials to avoid: Avoid strong oxidizing and reducing agents, acids, organic materials.
Conditions to avoid: Avoid heat, direct sunlight.
Hazardous decomposition products: Carbon dioxide, carbon monoxide, When heated to decomposition, toxic fumes of NO_x may be emitted.
Hazardous polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

Carcinogenicity: None
Acute Toxicity Data: LD_{50}, LC_{50} 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 Solid, Basic, Inorganic, n.o.s.,(sodium hydroxide) 8, UN3262, PGIII
Transport Canada: Corrosive Solid, Basic, Inorganic, n.o.s.,(sodium hydroxide) 8, UN3262, PGIII
IATA: Corrosive Solid, Basic, Inorganic, n.o.s.,(sodium hydroxide) 8, UN3262, PGIII
IMO: Corrosive Solid, Basic, Inorganic, n.o.s.,(sodium hydroxide) 8, UN3262, PGIII

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 III: Health-3, Fire-1, Physical Hazard-1,

Personal Protection- C 

MSDS prepared by: Kathy Tylka, Regulatory Affairs Coordinator
Revision Date/Revision History: August 17, 2009 – Section 16
January 17, 2012– Section 1: new address
February 22, 2013 – Section 14: new classification
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.