



MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: SAATlchem Remove HR2

General Use: Removes stains from screen printing mesh.

Manufacturer: SAATlchem
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	< 18	1310-73-2	2 mg/m ³ TWA	2 mg/m ³ STEL

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

3. HAZARDS IDENTIFICATION

Emergency Overview

Viscous yellow liquid. **Caution** – Corrosive, Causes burns and damage to tissue. May cause eye, skin, and respiratory tract irritation.

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, if irritation persists.

5. FIRE FIGHTING MEASURES

Flash Point / Method: >200F

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: yellow

Odor: slight odor

Vapor Pressure: < 0.05mmHg at 25 C

Specific Gravity: 1.15

Solubility in Water: Miscible

pH: 14

Vapor Density: > 1

Evaporation Rate: < 1

Boiling Point: > 212 F

Melting Point: < 32 F

Percent Volatiles: <50%

Volatile Organic Compounds: 382g/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: LD₅₀, LC₅₀ 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: Formula Adjustment

MSDS prepared by: Joey Mucha, Regulatory Affairs Coordinator

Supersedes Date: July 29, 2003

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