



MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Remove HR4
General Use: Gel used for removing ink haze and other 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 | % (optional) | CAS Number | OSHA PEL | ACGIH TLV |
|-----------------------|--------------|------------|----------|-----------|
| N,N-Dimethylacetamide | *** | 127-19-5 | 10 ppm | 10 ppm |

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

3. HAZARDS IDENTIFICATION

Emergency Overview

Clear gel with slight odor. **Warning** – COMBUSTIBLE. Harmful if swallowed. Affects the central nervous system and liver. Irritating to eyes and skin.

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 may 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.

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

5. FIRE FIGHTING MEASURES

Flash Point / Method: > 141F

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

Extinguishing Media: Alcohol foam, 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: Keep away from high heat, sparks, open flames and other ignition sources

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 is recommended. 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 pre-filter is advised in poorly ventilated workspaces where excess vapor is likely to accumulate.

Skin Protection: Neoprene gloves.

Eye Protection: Safety glasses.

Other Protective Equipment: Apron, suggested.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: gel

Appearance: clear

Odor: slight odor

Vapor Pressure: 0.02mmHg at 20 C

Specific Gravity: 1.1

Solubility in Water: complete

pH: (10% solution) 7

Vapor Density: > 1

Evaporation Rate: < 1

Boiling Point: > 400 F

Melting Point: Not Determined

Remove HR4
Revision Date: January 22, 2014

Percent Volatiles: > 90

Volatile Organic Compounds: 520 g/L (Calculated)

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, and ignition sources

Hazardous decomposition products: Carbon dioxide, carbon monoxide, irritating organic fragments

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: Not regulated

Transport Canada: Not regulated

IATA: Not regulated

IMO: Not regulated

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: none

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: 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-1, Fire-1, Physical Hazard-1,



Personal Protection- B

MSDS revised by: Kathy Tylka, Regulatory Affairs Coordinator

Revision Date/Revision History: August 17, 2009 – Section 16
January 17, 2012– Section 1: new address
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.