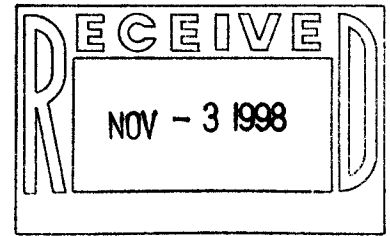


SEFAR AMERICA INC.  
MATERIAL SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

Product Name: 400 R Reclaimer  
Distributor: Sefar America Inc.  
Screen Printing Division  
333 South Highland Avenue  
Briarcliff Manor, NY 10510



Emergency Telephone Number: CHEM-TELL(800) 255-3924  
MSDS Date of Revision: 9/28/98

Fax: (914) 941-1017

SECTION 2: PRODUCT COMPONENTS

Component	Amount	CAS#	Exposure Limits
Sodium Metaperiodate	7-8%	7790-28-5	None Established
Water	92%	7732-18-5	None Established

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Green aqueous (water) solution. May cause eye and skin irritation. Inhalation of mists may cause irritation of the mucous membranes and respiratory tract.

**Potential Health Effects:**

Eye: Direct contact may cause irritation or burns.

Skin: May cause irritation, drying, and rash.

Inhalation: Mist may cause irritation of the mucous membranes and upper respiratory tract, headache and tightness of chest.

Ingestion: Irritation or burns of the mouth and throat, vomiting, abdominal pain and diarrhea.

Chronic Hazards: None currently known.

Medical Conditions Aggravated By Exposure: Individuals with pre-existing skin conditions may be at increased risk from exposure to this product.

Carcinogen: None of the components are listed as a carcinogen by NTP, IARC, or OSHA.

SECTION 4: FIRST AID MEASURES

Eye: Immediately flush with water for at least 15 minutes while holding lids open to assure that the entire surface is flushed. If available, flush with a 1% solution of sodium bicarbonate. Seek immediate medical attention.

Skin: Flush thoroughly with water, then wash with soap & water. Remove contaminated clothing, launder before re-use. If irritation persists seek medical attention.

Inhalation: Move victim to fresh air. Give artificial respiration if breathing has stopped. Seek immediate medical attention.

Ingestion: Immediately call Poison Control Center or an Emergency Department and follow their instructions. If emergency advice is unavailable, give large quantities of water and induce vomiting. Never give anything by mouth or induce vomiting in an unconsciousness or convulsing person. Seek immediate medical attention.

## SECTION 5: FIRE AND EXPLOSION DATA

Flash Point: This product is not combustible. Flammable Limits: N/A

Extinguishing Media: This solution is not combustible. Use any media appropriate for surrounding fire.

Special Fire Fighting Procedures: Firefighters should wear self-contained breathing apparatus and full protective clothing for all fires involving chemicals.

Unusual Fire Hazards: Sodium periodate is an oxidizing agent which can be a fire hazard when in contact with combustible or flammable materials. This product is a dilute solution of sodium periodate and should present no significant hazards under normal conditions of use.

Combustion Products: When heated can decompose to oxygen and toxic iodine vapors.

---

---

## SECTION 6: ACCIDENTAL RELEASE MEASURES

Spill: Wear protective equipment to avoid contact with spilled material. Absorb with inert material and place in container for disposal. Wash residue with water.

---

---

## SECTION 7: HANDLING AND STORAGE

Handling: Avoid creating or breathing of mist. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling.

Storage: Store in a closed container. Keep out of direct sunlight. Store away from flammable or combustible materials.

---

---

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation: None required for normal use. For operations where mist is generated, local exhaust ventilation may be needed to minimize exposure.

Respiratory Protection: None normally required. A NIOSH/MSHA approved mist respirator can be used if needed. Respirator selection depends upon the process, conditions and contaminant concentration. Use appropriate respiratory equipment recommended by an Industrial Hygienist or other Health Professional.

Skin Protection: Rubber or Neoprene gloves to prevent skin contact.

Eye Protection: Wear chemical splash goggles.

Other Protective Equipment: A protective apron can be used if contact is likely. A safety shower and eye wash facility should be available in the work area.

---

---

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor: Green, aqueous solution.

pH: 3.4-5.0

Boiling Point: 212 F (Approx.)

Specific Gravity: 1.066

Melting Point: Not available

Water Solubility: Complete

Vapor Pressure: 17.5 mm Hg @ 20 C  
(Same as water)

Vapor Density: Same as water

---

---

## SECTION 10: STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Incompatibility/Conditions to Avoid: Periodates react with reducing agents. This product is incompatible with materials that react with water or oxidizing agents, such as flammable and combustible materials.

Hazardous Decomposition Products: When heated can decompose to oxygen and toxic iodine vapors.

Hazardous Polymerization: Will not occur

---

---

## SECTION 11: TOXICOLOGICAL INFORMATION

No applicable data available at this time.

**SECTION 12: ECOLOGICAL INFORMATION**

No applicable data available at this time.

**SECTION 13: DISPOSAL INFORMATION**

Dispose in accordance with local, state and federal regulations.

**SECTION 14: TRANSPORT INFORMATION**

DOT Hazard Classification: Not Regulated

**SECTION 15: REGULATORY INFORMATION**

U.S. FEDERAL REGULATIONS:

CERCLA 103 Reportable Quantity: This product contains no Reportable Quantity (RQ) Substances.

SARA TITLE III:

Hazard Category for Section 311/312: Acute Health

Section 313 Toxic Chemicals: This product contains none of chemicals subject to SARA Title III Section 313 Reporting requirements.

Section 302 Extremely Hazardous Substances (TPO): None.

EPA Toxic Substances Control Act (TSCA) Status: The ingredients of this product are all on the TSCA Inventory list.

INTERNATIONAL REGULATIONS:

Canadian WHMIS Classification: Class D, Division 2, Subdivision B (Toxic Material causing other chronic effects)

Canadian DSL: All of the components of this products are on the Canadian Domestic Substances List.

EINECS: All components of this product are on the European Inventory of Existing Commercial Chemical Substances.

Australian AICS: All of the components of this product are listed on the Australian Inventory of Chemical Substances.

STATE REGULATIONS:

California Proposition 65: This product contains less than 5 ppm of 1,4-dioxane which is known to the State of California to cause cancer and less than 1 ppm ethylene oxide which is known to the State of California to cause cancer and reproductive toxicity.

**SECTION 16: OTHER INFORMATION**

NFPA Rating: Health - 2 Flammability - 0 Reactivity - 0

HMIS Rating: Health - 2 Flammability - 0 Reactivity - 0

MSDS Prepared by: Denese A. Deeds, CIH  
Industrial Health & Safety Consultants, Inc.  
Woodbridge, CT 06525

Approved By: Manager, Screen Printing Division, Sefar America Inc.