



# E-Line Refiner

SULFAMATE NICKEL GRAIN REFINER / HARDING AGENT

Document ID: ERFM2502

## E-Line Refiners

NFPA Hazard Rating

4 – Extreme

3 - High

2 - Moderate

1 - Slight

0 - Insignificant

Fire

0

Toxicity

1

0 Reactivity

Special

CHEMICAL, LIQUID, NON-REGULATED

## SECTION 1-----MANUFACTURER AND ADDRESS

**Manufacturer:** DisChem, Inc.

**Address:** 17295 Boot Jack Rd, Suite A, Ridgway, PA 15853 USA

**Emergency Telephone Number:** CHEMTREK: (800) 424 - 9300 (United States Only)  
(703) 527 - 3887 (Outside the United States)

## SECTION II---CHEMICAL AND PHYSICAL PROPERTIES

TRADE NAME: E-LINE REFINER

MANUFACTURER: DisChem, Inc.

ADDRESS: RIDC Industrial Park, Rte 219 S. , Ridgway, PA 15853

CHEMICAL CHARACTERIZATION: Mixture

FORMULA: Proprietary

<u>Ingredient Name</u>	<u>Approx. %</u>	<u>CAS #</u>
Nickel reacted with <i>o</i> -Benzosulfimide	< 4.0	Proprietary

Balance of ingredients are non-hazardous or < 1.0 % by volume.

BOILING POINT: 100°C

VAPOR PRESSURE: As water

VAPOR DENSITY: No data available

WATER SOLUBILITY: 100%

EVAPORATION RATE: approx. 1.0

% VOLATILITY: 96% as water.

SPECIFIC GRAVITY: 1.040

COLOR: Green to brown

APPEARANCE: Clear liquid

ODOR: None

STABILITY: Stable under normal conditions.

INCOMPATIBILITY: Excessive heat.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon, sulfur and nitrogen.

HAZARDOUS POLYMERIZATION PRODUCTS: Will not occur.

CONDITIONS TO AVOID: Extreme heat.

### **SECTION III---FIRE AND EXPLOSION DATA**

FLASH POINT: Not applicable (water).

FLAMMABLE LIMITS: Not applicable.

EXTINGUISHING MEDIA: Use agents suitable for surrounding media.

UNUSUAL FIRE AND EXPLOSION HAZARDS : May emit toxic fumes when heated to decomposition.

SPECIAL FIRE EXTINGUISHING INSTRUCTIONS: Wear self contained breathing apparatus and full protective clothing.

### **SECTION IV---HEALTH HAZARD DATA**

PRIMARY ROUTES OF ENTRY: Skin, eyes, swallowing.

CARCINOGENICITY: The National Academy of Sciences has stated that *o*-benzosulfimide (saccharine) is a weak carcinogen. IARC: Group B – possible human carcinogen. NTP: Anticipated carcinogen.

CHRONIC OVEREXPOSURE: Unknown.

ACUTE TOXICOLOGY: May cause irritation of the skin and eyes. May be harmful if swallowed.

#### GENERAL FIRST AID

EYE CONTACT: Flush eyes with flowing water for 15 minutes. Seek medical attention if irritation occurs.

SKIN CONTACT: Wash with warm soapy water. Remove contaminated clothing and wash before reuse. Seek medical attention if rash or irritation occurs.

INGESTION: If conscious, induce vomiting; as vomiting occurs, keep head below hips to prevent aspiration. Give large amounts of water. NEVER administer anything or induce vomiting to an unconscious victim. Seek medical attention immediately.

### **SECTION V---SPECIAL PROTECTION INFORMATION**

RESPIRATORY PROTECTION: Wear NIOSHA approved respirator where exposure concentrations exceed the specified limits.

SKIN PROTECTION: Chemical resistant gloves should be worn.

**EYE PROTECTION:** Safety goggles should be used with this and any other chemical that may cause eye injury.

**VENTILATION:** Provide ventilation which is sufficient to maintain airborne concentrations below the specified exposure limits.

**HYGIENIC WORK PRACTICES:** Do not eat, drink or smoke while using this product. Proper hygienic precautions should be observed to prevent ingestion or injury. Keep work area clean and always wear appropriate protective equipment when handling product.

## **SECTION VI---HANDLING OF SPILLS OR LEAKS**

**SPILL OR RELEASE HANDLING:** In case of accidental spill or release, isolate contaminated area. Wear protective equipment including chemical resistant boots, gloves, apron, and goggles. Contain spill and absorb with vermiculite or other non-combustible absorbent. Place residues in DOT approved container. Do not allow spill to run into drain sewers.

**WASTE DISPOSAL METHOD:** Place absorbed material in poly-lined drum. Dispose of product in accordance with local, state and federal regulations.

## **SECTION VII---SPECIAL PRECAUTIONS**

**PRECAUTIONS FOR HANDLING AND STORAGE:** Do not swallow. Avoid eye contact. Wash thoroughly after handling. Avoid contact with clothing; if contact occurs, remove and wash before reuse. Keep away from food products. Keep out of reach of children. Store in tightly closed containers away from incompatible materials when not in use.

**STORAGE:** Store in closed containers at ambient temperature. Protect from freezing.

**SHELF LIFE:** 1 YEAR

## **SECTION VIII---TRANSPORTATION DATA**

**DOT PROPER SHIPPING NAME:** Chemicals, Liquid, N.O.S.

**DOT HAZARD CLASS:** Non-Hazardous / Non-Regulated

**DOT REPORTABLE QUANTITY:** Not Applicable

**TRANSPORT LABEL / NOTES:** None

**UN NUMBER:** N/A

**HARMONIZE CODE (HS) NUMBER:** 3824.90.7000

**HS ARTICLE DESCRIPTION:** Electroplating chemical and other materials for metal finishing.

**EXPORT DESCRIPTION:** Electroplating bath additive

**SECTION IX---ENVIRONMENTAL/SAFETY REGULATIONS**

TSCA List: All ingredients in this product are listed on the TSCA inventory list.

Section 313 (Title III Superfund Amendment and Reauthorization Act): This product contains the following toxic chemical subject to reporting under Section 313 of SARA Act of 1986 and 40 CFR Part 372:

<u>Ingredient Name</u>	<u>Approx. %</u>	<u>CAS #</u>
<i>o</i> -Benzosulfimide	< 4.0	81-07-2

**COMMENTS:** Do not swallow. Avoid eye and skin contact. Wash thoroughly after handling. Avoid contact with clothing. Wash clothing before reuse. Keep from feed or food products. Keep out of reach of children. Keep containers tightly closed when not in use. Discard contaminated shoes.

**Date Prepared:** FEB 2005

**Document Rev. ID:** ERFM2502