



# ER8500

## Safety Data Sheet

Revision date: April 1, 2018

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Trade name : ER8500  
Product form : Mixture  
Product code : NONE

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Emulsion Remover

#### 1.3. Details of the supplier of the safety data sheet

RhinoTech, Inc.  
P.O. Box 5426  
Sarasota, FL 34277  
651.686.5027

#### 1.4. Emergency telephone number

Emergency number : ChemTel, Inc. 800-255-3924, International 813-248-0585

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification (GHS-US)

<u>Hazard Code</u>	<u>Hazard Class</u>	<u>Hazard Category</u>
H271	Oxidizing liquids/solids	1
H314	Skin corrosion/irritation	1C
H318	Serious eye damage/eye irritation	1
H372	Specific target organ toxicity, repeated exposure	1
H400	Hazardous to the aquatic environment, acute toxicity	1

HANDLE IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE AND SAFETY PRACTICES

#### 2.2. Label elements

##### GHS-US labeling

##### Hazard pictograms (GHS-US)



Signal Word (GHS-US): **Danger**

##### Hazard Statements (GHS-US):

H271: May cause fire or explosion; strong oxidizer  
H314: Causes severe skin burns and eye damage  
H318: Causes serious eye damage  
H372: Causes damage to organs (or state through prolonged or repeated exposure  
H400: Very toxic to aquatic life

##### Precautionary statements (GHS-US):

P210: Keep away from heat/sparks/open flames/hot surfaces. -No smoking.  
P220: Keep/Store away from clothing/combustible materials  
P221: Do not allow contact with air  
P260: Do not breathe dust/fumes/gas/mist/vapors/spray  
P264: Wash thoroughly after handling  
P270: Do not eat, drink or smoke when using this product  
P273: Avoid release into the environment  
P280: Wear protective gloves/protective clothing/eye protection/face protection  
P283: Wear fire/flame resistant retardant clothing  
P310: Immediately call a POISON CENTER or doctor/physician

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P314: Get Medical advice/attention if you feel unwell  
P321: Specific treatment (see SECTION 4)  
P363: Wash contaminated clothing before reuse  
P391 : Collect spillage  
P301+330+331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting  
P303+361+353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing  
P306+360: IF ON CLOTHING: Rinse immediately contaminated clothing and skin with plenty of water before removing clothes  
P370+378: In case of fire: Use suitable extinguishing media for extinction (SEE SECTION 5)  
P371+380+375: In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion  
P405: Store locked up  
P501: Dispose of contents/container in accordance with local, state and federal authorities.

### 2.3. Other hazards

No additional information available

### 2.4. Unknown acute toxicity (GHS-US)

No data available

## SECTION 3: Composition/information on ingredients

### 3.1. Substance

Not applicable

### 3.2. Mixture

Name	CAS #	%
Sodium metaperiodate	7790-28-5	98 - 100

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). Consult a physician.

First-aid measures after inhalation : IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing Use artificial respiration and oxygen if needed. Consult a physician.

First-aid measures after skin contact : IF ON SKIN: Immediately rinse with plenty of water (for at least 15 minutes). Take victim immediately to hospital. Consult a physician.

First-aid measures after eye contact : IF IN EYES: Rinse immediately and thoroughly, pulling the eyelids well away from the eye (15 minutes minimum). Continue flushing eyes during transport to hospital. Consult a physician.

First-aid measures after ingestion : IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Dilute stomach contents by drinking water. If vomiting occurs spontaneously, keep head below hips to prevent breathing vomit into lungs. Consult a physician.

### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries : Causes severe skin and eye damage. Causes damage to organs – thymus gland. See section 2.2

Symptoms/injuries after inhalation : May cause headache, nausea and respiratory tract damage.

Symptoms/injuries after skin contact : Causes severe skin damage.

Symptoms/injuries after eye contact : Causes severe eye damage.

Symptoms/injuries after ingestion : May cause gastrointestinal irritation/damage, nausea, vomiting, and diarrhea if swallowed.

Chronic symptoms : No data available.

### 4.3. Indication of any immediate medical attention and special treatment needed

No additional information available.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

suitable extinguishing media : Alcohol-resistant foam. Carbon dioxide. Dry powder. Water spray.

### 5.2. Special hazards arising from the substance or mixture

Fire hazard : No flash point data. Strong oxidizer.

Explosion hazard : Can form shock sensitive substances with specific chemicals. Avoid incompatible materials.

Reactivity : Strong oxidizer.

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### 5.3. Advice for firefighters

- Firefighting instructions : Do not dispose of fire-fighting water in the environment. Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Evacuate area. Keep upwind. Ventilate area. Spill should be handled by trained clean-up crews properly equipped with respiratory equipment and full chemical protective gear (see Section 8).

#### 6.1.1. For non-emergency personnel

- Protective equipment : Wear Protective equipment as described in Section 8.
- Emergency procedures : Evacuate unnecessary personnel.

#### 6.1.2. For emergency responders

- Protective equipment : Approved supplied-air respirator, in case of emergency. Wear suitable protective clothing, gloves and eye or face protection.

### 6.2. Environmental precautions

- Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

### 6.3. Methods and material for containment and cleaning up

- For containment : Prevent entry to sewers and public waters. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
- Methods for cleaning up : Sweep up and shovel. Contain spillage. Place in a suitable container for disposal in accordance with the waste regulations (see Section 13).

### 6.4. Reference to other sections

- No additionnel information available

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- Precautions for safe handling : Do not handle until all safety precautions have been read and understood. Keep away from heat, sparks, open flame and avoid exposure to light. Store in cool well ventilated area. Keep container closed when not in use. Use only with adequate dust control. Wear proper safety equipment including chemically resistant gloves and safety glasses or goggles. Wash thoroughly after handling. Do not breathe dust. Do not get in eyes. Do not get on skin. Do not swallow.

### 7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Keep only in the original container in a cool, well ventilated place away from : heat sources. Keep container tightly closed. Avoid exposure to light.

### 7.3. Specific end use(s)

- No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

- No OSHA and ACGIH PEL's or TLV's for the listed ingredients of this product unless stated below:  
NO DATA

### 8.2. Exposure controls

- Personal protective equipment : Face shield. Gloves. Protective body clothing. Protective goggles. Respiratory protection of the dependent type.
- Hand protection : Chemical resistant gloves.
- Eye protection : Eye protection, including both chemical splash goggles and face shield, must be worn when possibility exists for eye contact due to airborne particles.
- Skin and body protection : Wear long sleeves. Wear suitable protective clothing.
- Respiratory protection : In case of inadequate ventilation wear respiratory protection. If handling results in dust, mist, or aerosols, special ventilation may be required to avoid exceeding exposure limits for nuisance or oil mist particles.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

- Physical state : Powder
- Appearance : No data available
- Color : No data available
- Odor : No data available

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Odor Threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Self ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Explosive limits	: No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No dangerous reactions known under normal conditions of use.

### 10.2. Chemical stability

Hygroscopic. Avoid exposure to light. Stable under recommended storage conditions.

### 10.3. Possibility of hazardous reactions

No data available.

### 10.4. Conditions to avoid

Exposure to light.

### 10.5. Incompatible materials

Reducing agents. Organic materials. Powdered metals (magnesium). Light. Can form shock sensitive substances with specific chemicals.

### 10.6. Hazardous decomposition products

Thermal decomposition generates : Hydrogen iodide, sodium oxides. No other data available.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Oral LD50: NO DATA

Dermal LD50: NO DATA

Inhalation LC50: NO DATA

Skin corrosion/irritation	: Causes skin corrosion. Category 1C
Serious eye damage/irritation	: Causes serious eye damage.
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Specific target organ toxin, repeated exposure. Category 1. Thymus gland.
Aspiration hazard	: Not classified
Symptoms/injuries after inhalation	: See SECTION 4

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Symptoms/injuries after skin contact	: See SECTION 4.
Symptoms/injuries after eye contact	: See SECTION 4
Symptoms/injuries after ingestion	: See SECTION 4.
Chronic symptoms	: No data available.
Notes:	No data available.

### SECTION 12: Ecological information

- 12.1. Toxicity**  
LC50 - Oncorhynchus mykiss (rainbow trout) - > 0.17 mg/l – 96h
- 12.2. Persistence and degradability**  
No Data
- 12.3. Bioaccumulative potential**  
No Data
- 12.4. Mobility in soil**  
No Data
- 12.5. Other adverse effects**  
No Data

### SECTION 13: Disposal considerations

- 13.1. Waste treatment methods**  
Waste treatment methods : Do not discharge to public wastewater systems without permit of pollution control authorities. No discharge to surface waters is allowed without an NPDES permit.
- Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Do not allow the product to be released into the environment.

### SECTION 14: Transport information

- 14.1. UN number, proper shipping name, class and packaging group.:**  
Domestic Ground Shipments  
DOT Shipping Name: Oxidizing solid, n.o.s. (Sodium Metaperiodate), 5.1, UN1479, PGII  
DOT Placard: Oxidizer

**14.2. Additional information**

### SECTION 15: Regulatory information

- 15.1. US Federal regulations**  
**TSCA Inventory:** The components of this product are listed.  
**SARA Section 311/312, Hazard Category (40CFR 370.2):** Acute health hazard. Reactivity hazard.  
**SARA Section 313, Toxic Release Reporting (40CFR Part372):** No listed substance known over 1.0%.  
**SARA Section 302, EHS Emergency Planning (40CFR Part 355):** No listed substance known over 1.0%.  
**SARA Section 304, EHS Release Reporting (40CFR Part 355):** No listed substance known over 1.0%.  
**CERCLA Section 102-103 HS Release Reporting (40 CFR par302-102a):** No listed substance known over 1.0%.
- 15.2. International regulations**  
No Data
- 15.2.2. National regulations**  
No Data
- 15.3. US State regulations**  
**California Prop. 65:** No listed substance known to be present.

### SECTION 16: Other information

- Other information :  
: None.
- NFPA health hazard : 2  
NFPA fire hazard : 0  
NFPA reactivity : 3

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### HMIS III Rating

Health	:	2
Flammability	:	0
Physical	:	3
Personal Protection	:	

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