

**PERMATREAT® 2510**Version 1.  
Revision Date 03/12/2008

Print Date 03/12/2008

**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

Product name : PERMATREAT® 2510  
 MSDS Number : REL\_70176

Company : OAKITE PRODUCTS INC  
 675 Central Avenue  
 New Providence, NJ 07974

Telephone : +18005264473  
 Telefax : +19084644658  
 Emergency telephone no : CHEMTREC - 800-424-9300

**SECTION 2. HAZARDOUS COMPONENTS INFORMATION**

Component	CAS-No.	Weight %
Chromic (VI) Acid	1333-82-0	10.00 - 20.00
Chromium (III) chromate (VI)	24613-89-6	10.00 - 20.00
Phosphoric acid	7664-38-2	10.00 - 30.00

Unidentified ingredients are considered not hazardous under Federal Hazard Communication Standard (29CFR 1910.1200).

**SECTION 3. HAZARDS IDENTIFICATION****Emergency Overview**

Form : liquid  
 Colour : green  
 Odour : acrid  
 Hazard Summary : Harmful by inhalation. Harmful if swallowed. Causes severe burns. May cause cancer. Oxidizing properties.

Route(s) of Entry	Inhalation	Skin	Ingestion
	yes	yes	yes

**Carcinogenicity:**

NTP Chromic (VI) Acid This substance is listed by NTP as a Carcinogen.  
 Chromium (III) chromate (VI) This substance is listed by NTP as a Carcinogen.

IARC Chromic (VI) Acid This substance is listed by IARC as a Carcinogen.  
 Chromium (III) chromate (VI) This substance is listed by IARC as a Carcinogen.

OSHA No substance in this product is regulated by OSHA as a carcinogen

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**SECTION 4. FIRST AID MEASURES**

- Inhalation : Move to fresh air If symptoms persist, call a physician If breathing is irregular or stopped, administer artificial respiration
- Skin contact : Wash off immediately with plenty of water for at least 15 minutes Take off contaminated clothing and shoes immediately Call a physician if irritation develops or persists.
- Eye contact : Rinse immediately with plenty of water for at least 15 minutes Keep eye wide open while rinsing Get medical attention immediately
- Ingestion : Rinse mouth Drink 1 or 2 glasses of water Never give anything by mouth to an unconscious person Get medical attention immediately

**SECTION 5. FIRE-FIGHTING MEASURES**

- Flash point : > 100 °C (> 100 °C)
- Lower explosion limit : Note: Not applicable.
- Upper explosion limit : Note: Not applicable.
- Suitable extinguishing media : dry chemical  
carbon dioxide (CO<sub>2</sub>)  
foam  
water spray
- Special protective equipment for fire-fighters : In the event of fire, wear self-contained breathing apparatus.
- Further information : Water mist may be used to cool closed containers.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

- Personal precautions : Ensure adequate ventilation.  
Use personal protective equipment.
- Methods for cleaning up : Ventilate area.  
Neutralize with lime milk or soda and flush with plenty of water.  
Clean up with inert absorbant material.  
Keep in suitable, closed containers for disposal.

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Additional advice : Never return spills in original containers for re-use.

**SECTION 7. HANDLING AND STORAGE**
**Handling**

 Handling : Add this product to surface of solution slowly to avoid spattering  
 Do not add large amounts of product to solution at any one time.  
 Use with adequate ventilation.

**Storage**

 Requirements for storage areas and containers : KEEP FROM FREEZING  
 Store indoors in a cool, well-ventilated place  
 Do not allow to dry-out  
 Keep drum out of sun and away from heat.  
 Keep containers tightly closed to avoid contamination

**SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

Component	ACGIH TLV (TWA)	OSHA PEL (TWA)
Chromic (VI) Acid	0.05 mg/m <sup>3</sup> as CrN.D.	0.005 mg/m <sup>3</sup> as CrN.D.
Chromium (III) chromate (VI)	0.05 mg/m <sup>3</sup> as CrN.D.	0.005 mg/m <sup>3</sup> as CrN.D.
Phosphoric acid	1 mg/m <sup>3</sup> N.D.	1 mg/m <sup>3</sup> N.D.

 Eye protection : Chemical resistant goggles must be worn.  
 face-shield

Hand protection : impervious gloves

Skin and body protection : rubber or plastic apron

Respiratory protection : If the occupational exposure limits cannot be met, suitable respiratory equipment should be worn .

 Hygiene measures : Avoid contact with skin, eyes and clothing  
 Wear suitable gloves and eye/face protection  
 Wear suitable protective clothing  
 Wash hands before breaks and immediately after handling the product  
 Provide adequate ventilation

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Do not inhale fumes.  
Keep away from food and drink**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

pH	:	< 2.5
Melting point/range	:	-15.5 °C (-15.5 °C)
Boiling point/range	:	Note: no data available
Vapour pressure	:	Note: no data available
Bulk density	:	12.03 lb/gal
Water solubility	:	Note: completely soluble
Percent of Volatile by Weight excluding water	:	0
Relative density	:	1.44
Evaporation rate	:	Note: (Water =1) Less than 1

**SECTION 10. STABILITY AND REACTIVITY**

Conditions to avoid	:	Avoid letting the product become dry. Direct sources of heat. freezing
Materials to avoid	:	bases reducing agents combustible material organic materials Warning! Do not use together with other products; may release dangerous gases (chlorine).
Hazardous decomposition products	:	carbon oxides chromium oxides

**SECTION 11. TOXICOLOGICAL INFORMATION**

Toxicity: : Mixture; Not Determined.

**Acute oral toxicity**

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Chromic (VI) Acid : LD50, rat  
Dose: 52 mg/kg

Phosphoric acid : LD50, rat  
Dose: 1,530 mg/kg

**SECTION 12. ECOLOGICAL INFORMATION**

Not Available

**SECTION 13. DISPOSAL CONSIDERATIONS**

Advice on Disposal : Refer to all federal, provincial, state and local regulation prior to disposition of container and unused contents by reuse, recycle or disposal.

**SECTION 14. TRANSPORT INFORMATION**

Refer to Bill of Lading.

**SECTION 15. REGULATORY INFORMATION**

**TSCA Status** : All components of this material comply with US TSCA requirements.

**SARA 313 Components** : Chromic (VI) Acid CAS-No. 1333-82-0  
: Chromium (III) chromate (VI) CAS-No. 24613-89-6

**SARA 313 Components** : N.D.

**CERCLA Reportable Quantity** : Chromic (VI) Acid 10 Pounds  
: Chromium (III) chromate (VI) 10 Pounds  
: Phosphoric acid 5,000 Pounds

**California Prop. 65** : N.D

**NFPA** : 3 0 1 Corrosive

**HMIS** : 3 0 1 D

**WHMIS** : E: Corrosive Material  
D2A: Very Toxic Material Causing Other Toxic Effects

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**SECTION 16. OTHER INFORMATION**

**Further information**

Oakite Products, Inc. warrants that the products described herein will conform with its published specifications. The products supplied by Oakite and information related to them are intended for use by buyers having necessary industrial skill and knowledge. Buyers should undertake sufficient verification and testing to determine the suitability of the Oakite materials for their own particular purpose. Since buyer's conditions of use of products are beyond Oakite's control, Oakite does not warrant any recommendations and information for the use of such products. OAKITE DISCLAIMS ALL OTHER WARRANTIES INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY AND FITNESS FOR ANY PARTICULAR PURPOSE IN CONNECTION WITH THE USE OF ITS PRODUCTS.