

PERMATREAT® 1500Version 1.
Revision Date 03/17/2008

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SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : PERMATREAT® 1500
 MSDS Number : REL_70159

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	1.00 - 5.00
Chromium (III) chromate (VI)	24613-89-6	1.00 - 5.00

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

SECTION 3. HAZARDS IDENTIFICATION**Emergency Overview**

Form : liquid
 Colour : brown
 Odour : acrid
 Hazard Summary : Causes severe burns. Also harmful by inhalation and if swallowed. May cause cancer by inhalation.

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

PERMATREAT® 1500Version 1.
Revision Date 03/17/2008

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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 : Note: does not flash
- Lower explosion limit : Note: not applicable
- Upper explosion limit : Note: not applicable
- Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- Special protective equipment for fire-fighters : Use personal protective equipment. Wear self contained breathing apparatus for fire fighting if necessary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Methods for cleaning up : Clean up promptly by scoop or vacuum. Keep in suitable, closed containers for disposal.

SECTION 7. HANDLING AND STORAGE**Storage**

- Requirements for storage areas and containers : Keep containers tightly closed in a cool, well-ventilated place.
KEEP FROM FREEZING

PERMATREAT® 1500Version 1.
Revision Date 03/17/2008

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Do not allow to dry-out

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Component	ACGIH TLV (TWA)	OSHA PEL (TWA)
Chromic (VI) Acid	0.05 mg/m ³ as CrN.D.	0.005 mg/m ³ as CrN.D.
Chromium (III) chromate (VI)	0.05 mg/m ³ as CrN.D.	0.005 mg/m ³ as CrN.D.

- Eye protection : tightly fitting safety goggles
- Hand protection : impervious gloves
- Skin and body protection : protective suit
- 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
Do not inhale fumes.
Keep away from food and drink

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- pH : < 2.5
- Melting point/range : 0 °C (0 °C)
- Boiling point/range : Note: no data available
- Vapour pressure : Note: no data available
- Bulk density : 9.14 lb/gal
- Water solubility : Note: completely soluble
- Partition coefficient (n-octanol/water) : Note: no data available
- Percent of Volatile by Weight : 0

PERMATREAT® 1500Version 1.
Revision Date 03/17/2008

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excluding water

Relative density : 1.095

Evaporation rate : 1
Note: Water = 1**SECTION 10. STABILITY AND REACTIVITY**

Conditions to avoid : Avoid letting the product become dry.

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 : chromium oxides
hydrogen, by reaction with metals**SECTION 11. TOXICOLOGICAL INFORMATION**

Toxicity: : Mixture; Not Determined.

Acute oral toxicity
Chromic (VI) Acid : LD50, rat
Dose: 52 mg/kg**SECTION 12. ECOLOGICAL INFORMATION**

Not Available

SECTION 13. DISPOSAL CONSIDERATIONSAdvice 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.

PERMATREAT® 1500Version 1.
Revision Date 03/17/2008

Print Date 03/17/2008

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
California Prop. 65	:	N.D	
NFPA	:	3 0 0 Corrosive Acid	
HMIS	:	3 0 0 J	
WHMIS	:	E: Corrosive Material D2A: Very Toxic Material Causing Other Toxic Effects	

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.