

PERMATREAT® 2550Version 1.1
Revision Date 05/13/2008

Print Date 05/14/2008

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : PERMATREAT® 2550
 MSDS Number : REL_70177

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 %
Phosphoric acid	7664-38-2	10.00 - 20.00
Ammonium dimolybdate	27546-07-2	1.00 - 5.00
Sodium tetraborate pentahydrate	12179-04-3	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 : light blue
 Odour : mild
 Hazard Summary : Causes severe burns.Harmful by inhalation and if swallowed.

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

Carcinogenicity:

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

SECTION 4. FIRST AID MEASURES

Inhalation : Remove to fresh air If symptoms persist, call a physician If breathing is irregular or stopped, administer artificial respiration

PERMATREAT® 2550Version 1.1
Revision Date 05/13/2008

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- Skin contact : Wash off immediately with plenty of water for at least 15 minutes
Take off contaminated clothing and shoes immediately
Get medical attention immediately if irritation develops and 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 : > 93 °C (> 93 °C)
Pensky-Martens Closed Cup
- Lower explosion limit : Note: Not applicable.
- Upper explosion limit : Note: Not applicable.
- Suitable extinguishing media : dry chemical
carbon dioxide (CO₂)
foam
water spray
- Special protective equipment for fire-fighters : In the event of fire, wear self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions : Ventilate the area.
Use personal protective equipment.
- Methods for cleaning up : Clean up with inert absorbant material.
soda ash
Keep in suitable, closed containers for disposal.
Flush with plenty of water.
- Additional advice : Never return spills in original containers for re-use.

SECTION 7. HANDLING AND STORAGE**Storage**

PERMATREAT® 2550Version 1.1
Revision Date 05/13/2008

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Requirements for storage : Keep containers tightly closed to avoid contamination
areas and containers : Store indoors in a cool, well-ventilated place**SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

Component	ACGIH TLV (TWA)	OSHA PEL (TWA)
Phosphoric acid	1 mg/m ³ N.D.	1 mg/m ³ N.D.
Ammonium dimolybdate	N.D.	N.D.
Sodium tetraborate pentahydrate	1 mg/m ³ N.D.	N.D.

Eye protection : Chemical resistant goggles must be worn.

Hand protection : Neoprene gloves

Skin and body protection : chemical resistant 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
Do not inhale fumes.
Keep away from food and drink

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

pH : 0.9

Melting point/range : -5 °C (-5 °C)

Boiling point/range : Note: no data available

Vapour pressure : 23.9 hPa

Bulk density : 9.30 lb/gal

Water solubility : Note: completely soluble

PERMATREAT® 2550Version 1.1
Revision Date 05/13/2008

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Partition coefficient (n-octanol/water) : Note: no data available

Percent of Volatile by Weight excluding water : 0

Relative density : 1.116

Evaporation rate : 1
Note: Water = 1

SECTION 10. STABILITY AND REACTIVITY

Conditions to avoid : freezing

Materials to avoid : bases
Warning! Do not use together with other products; may release dangerous gases (chlorine).

Hazardous decomposition products : Boron oxides
Nitrogen Oxides
ammonia
carbon oxides
Hydrogen when reacts with certain metal.
Phosphorus Oxides

SECTION 11. TOXICOLOGICAL INFORMATION

Toxicity: : Mixture; Not Determined.

Acute oral toxicity
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.

PERMATREAT® 2550Version 1.1
Revision Date 05/13/2008

Print Date 05/14/2008

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	:	N.D.	
CERCLA Reportable Quantity	:	Phosphoric acid	5,000 Pounds
California Prop. 65	:	N.D.	
NFPA	:	3 0 0 Corrosive Acid	
HMIS	:	3 0 0 J	
WHMIS	:	E: Corrosive Material	

SECTION 16. OTHER INFORMATION**Further information**

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