

**Oakite® 33**

Version 1.5  
Revision Date 01/15/2009

Print Date 04/08/2011

**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

Product name : Oakite® 33  
MSDS Number : REL\_0330  
  
Company : Chemetall US, 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 %
Trade Secret Registry	735517-5097P	1.00 - 5.00
Phosphoric acid	7664-38-2	50.00 - 60.00
2-Butoxy ethanol	111-76-2	10.00 - 20.00

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

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

Form : liquid  
Colour : tan  
Odour : mild  
Hazard Summary : Harmful by inhalation and if swallowed. Causes severe burns.

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.

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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                                    | : | Note: does not flash  |
| Lower explosion limit                          | : | Note: Not applicable.   |
| Upper explosion limit                          | : | Note: Not applicable.   |
| TDG Flammability Class                         | : | NONE  |
| Suitable extinguishing media                   | : | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. |
| Special protective equipment for fire-fighters | : | Wear self contained breathing apparatus for fire fighting if necessary.                                 |

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

- |                         |   |  |
|-------------------------|---|--|
| Methods for cleaning up | : | Soak up with inert absorbent material. Keep in suitable, closed containers for disposal. |
| Additional advice       | : | Never return spills in original containers for re-use.                                   |

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

- |          |   |  |
|----------|---|--|
| Handling | : | Unscrew closure slowly. Allow all pressure to escape through threads before removing closure |
|----------|---|--|

**Storage**

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Requirements for storage areas and containers : Keep containers dry and tightly closed to avoid moisture absorption and contamination.  
Store indoors in a cool, well-ventilated place

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

Component	ACGIH TLV (TWA)	OSHA PEL (TWA)
Trade Secret Registry	N.D.	N.D.
Phosphoric acid	1 mg/m3 N.D.	1 mg/m3 N.D.
2-Butoxy ethanol	20 ppm N.D.	50 ppm 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, in exceptional cases suitable respiratory equipment should be worn only for a short period of time.

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 : Note: Less than 2.5

Melting point/range : -12 °C (-12 °C)

Boiling point/boiling range : Note: no data available

Vapour pressure : Note: no data available

Bulk density : 11.2 lb/gal

Water solubility : Note: completely soluble

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

Percent of Volatile by Weight excluding water : 17.5

Relative density : 1.345

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 : Carbon dioxide (CO<sub>2</sub>)  
Carbon monoxide  
Hydrogen, by reaction with metals  
Oxides of phosphorus

**SECTION 11. TOXICOLOGICAL INFORMATION**

Toxicity: : Mixture; Not Determined.

**Acute oral toxicity**

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

2-Butoxy ethanol : LD50, rat  
Dose: 1,480 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.

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**SECTION 14. TRANSPORT INFORMATION**

Refer to Bill of Lading.

**SECTION 15. REGULATORY INFORMATION**

<b>TSCA Status</b>	: All components of this material comply with US TSCA requirements.	
<b>SARA 313 Components</b>	: 2-Butoxy ethanol	CAS-No. 111-76-2
<b>SARA 313 Components</b>	: N.D.	
<b>CERCLA Reportable Quantity</b>	: Phosphoric acid	5,000 Pounds
<b>California Prop. 65</b>	: N.D	
<b>NFPA</b>	: 3 0 0 Corrosive Acid	
<b>HMIS</b>	: 3 0 0 J	
<b>WHMIS</b>	: E: Corrosive Material	

**SECTION 16. OTHER INFORMATION****Further information**

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