

Oakite® 84 MVersion 1.4
Revision Date 01/16/2009

Print Date 01/23/2009

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Oakite® 84 M
 MSDS Number : REL_0845

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 %
Disodium phosphate	7558-79-4	5.00 - 15.00
Citric acid	77-92-9	1.00 - 10.00
Sodium bisulfate	7681-38-1	80.00 - 90.00
Trade Secret Registry	735517-5014P	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 : powder
 Colour : white
 Odour : none
 Hazard Summary : Harmful by inhalation and if swallowed. Causes irritation of eyes and skin.

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.

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- Skin contact : Wash off immediately with plenty of water for at least 15 minutes. If skin irritation persists, call a physician.
- Eye contact : Rinse immediately with plenty of water for at least 15 minutes. Keep eye wide open while rinsing. Seek medical advice.
- Ingestion : Rinse mouth. Drink plenty of water. 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 : In the event of fire, wear self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions : Ensure adequate ventilation.
Avoid dust formation.
- Methods for cleaning up : Ventilate area.
Avoid dust generation
Sweep up and remove immediately.
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 : Use with adequate ventilation.
Avoid breathing dust.

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Storage

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
Protect from direct contact with water or excessive moisture.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Component	ACGIH TLV (TWA)	OSHA PEL (TWA)
Disodium phosphate	N.D.	N.D.
Citric acid	N.D.	N.D.
Sodium bisulfate	5 mg/m ³ N.D.	N.D.
Trade Secret Registry	N.D.	N.D.

Eye protection : Safety glasses

Hand protection : Impervious gloves

Skin and body protection : Rubber or plastic apron

Respiratory protection : No personal respiratory protective equipment normally required.
In case of insufficient ventilation wear suitable respiratory equipment.

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.
Avoid breathing dust or vapor.
Keep away from food and drink.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

pH : 1.5
at 15 g/l

Melting point/range : Note: no data available

Boiling point/boiling range : Note: no data available

Vapour pressure : Note: no data available

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Bulk density	:	10.0 lb/gal
Water solubility	:	75 g/l at 21 °C (21 °C)
Partition coefficient: n-octanol/water	:	Note: no data available
Percent of Volatile by Weight excluding water	:	Note: no data available
Relative density	:	Note: not applicable

SECTION 10. STABILITY AND REACTIVITY

Conditions to avoid	:	Exposure to moisture.
Materials to avoid	:	Bases Warning! Do not use together with other products. May release dangerous gases (chlorine).
Hazardous decomposition products	:	Carbon dioxide (CO2) Carbon monoxide Hydrogen, by reaction with metals Sulphur oxides Oxides of phosphorus

SECTION 11. TOXICOLOGICAL INFORMATION

Toxicity:	:	Mixture; Not Determined.
Acute oral toxicity Disodium phosphate	:	LD50, rat Dose: 17,000 mg/kg
Citric acid	:	LD50, rat Dose: 3,000 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

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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** : N.D.
- CERCLA Reportable Quantity** : Disodium phosphate 5,000 Pounds
: Dodecylbenzene 1,000 Pounds
: sulfonate, sodium salt
- California Prop. 65** : N.D
- NFPA** : 2 0 1
- HMIS** : 2 0 1 J
- WHMIS** : D2B: Toxic Material Causing Other Toxic Effects

SECTION 16. OTHER INFORMATION

Further information

Chemetall US, Inc. warrants that the products described herein will conform with its published specifications. The products supplied by Chemetall 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 Chemetall materials for their own particular purpose. Since buyer's conditions of use of products are beyond Chemetall's control, Chemetall does not warrant any recommendations and information for the use of such products. CHEMETALL DISCLAIMS ALL OTHER WARRANTIES INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY AND FITNESS FOR ANY PARTICULAR PURPOSE IN CONNECTION WITH THE USE OF ITS PRODUCTS.