

Deoxidizer[®] LNCVersion 1.5
Revision Date 11/27/2006

Print Date 01/19/2007

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Deoxidizer[®] LNC
 MSDS Number : REL_3850

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 %
FERRIC SULFATE	10028-22-5	40.00 - 50.00
Nitric acid	7697-37-2	10.00 - 20.00
Trade Secret Registry	735517-5053P	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 : amber
 Odour : pungent
 Hazard Summary : Causes severe burns. Liquid or vapor causes burns which may be delayed. Also 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 : If inhaled, remove to fresh air. If symptoms persist, call a

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	physician If breathing is irregular or stopped, administer artificial respiration
Skin contact	: Wash off immediately with plenty of water for at least 15 minutes Pay particular attention to skin under nails. 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 Give several glasses of water to drink followed by milk of magnesia. 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.
Autoignition temperature	: No information available.
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

Personal precautions	: Refer to protective measures listed in sections 7 and 8. Ensure adequate ventilation.
Methods for cleaning up	: Wear personal protective equipment. Cover with dry sodium carbonate. Shovel into suitable container for disposal.
Additional advice	: Never return spills in original containers for re-use.

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SECTION 7. HANDLING AND STORAGE

Handling

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

Storage

Requirements for storage areas and containers : Keep containers tightly closed to avoid contamination
Store indoors in a cool, well-ventilated place
Keep container out of sun and away from heat.
Keep container closed to prevent drying out.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Component	ACGIH TLV (TWA)	OSHA PEL (TWA)
FERRIC SULFATE	1 ppm soluble salts as FeN.D.	N.D.
Nitric acid	5.2 mg/m3 N.D.	5 mg/m3 N.D.
Trade Secret Registry	N.D.	N.D.

Eye protection : If splashes are likely to occur, wear: tightly fitting safety goggles
face-shield

Hand protection : impervious gloves

Skin and body protection : complete suit protecting against chemicals

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

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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

pH	:	< 2.5
Melting point/range	:	-4.4 °C (-4.4 °C)
Boiling point/range	:	Note: no data available
Vapour pressure	:	Note: no data available
Bulk density	:	12.00 lb/gal
Water solubility	:	Note: completely soluble
Partition coefficient (n-octanol/water)	:	Note: no data available
Percent of Volatile by Weight excluding water	:	0
Relative density	:	1.440
Evaporation rate	:	1 Note: Water = 1

SECTION 10. STABILITY AND REACTIVITY

Conditions to avoid	:	freezing Avoid letting the product become dry.
Materials to avoid	:	bases Warning! Do not use together with other products; may release dangerous gases (chlorine). Avoid prolonged contact of concentrate with glass, ceramic, or concrete.
Hazardous decomposition products	:	nitrogen oxides (NOx) sulphur oxides

SECTION 11. TOXICOLOGICAL INFORMATION

Toxicity:	:	Mixture; Not Determined.
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SECTION 12. ECOLOGICAL INFORMATION

Not Available

SECTION 13. DISPOSAL CONSIDERATIONS

Advice on Disposal : Refer to applicable local, state and federal regulations as well as industry standards.

SECTION 14. TRANSPORT INFORMATION

Refer to Bill of Lading.

SECTION 15. REGULATORY INFORMATION**TSCA Status** : All components of this material are on the US TSCA Inventory.**SARA 313 Components** : Nitric acid CAS-No. 7697-37-2
SARA 313 Components : N.D.**CERCLA Reportable Quantity** : FERRIC SULFATE 1,000 Pounds
: Nitric acid 1,000 Pounds**California Prop. 65** : N.D**NFPA** : 3 0 0 Corrosive Acid**HMIS** : 3 0 1 J**WHMIS** : E: Corrosive Material**SECTION 16. OTHER INFORMATION****Further information**

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