

OKEMCOAT® F-1Version 1.5
Revision Date 11/28/2006

Print Date 01/22/2007

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : OKEMCOAT® F-1
 MSDS Number : REL_4663

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 %
Chromium (III) phosphate	7789-04-0	10.00 - 20.00
Phosphoric acid	7664-38-2	10.00 - 20.00
Chromic (VI) Acid	1333-82-0	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 : green
 Odour : pungent
 Hazard Summary : Strong Oxidant!Harmful if swallowed.Harmful by inhalation.Causes severe burns.

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

Carcinogenicity:

NTP	Chromium (III) phosphate	This substance is listed by NTP as a Carcinogen.
	Chromic (VI) Acid	This substance is listed by NTP as a Carcinogen.
IARC	Chromium (III) phosphate	This substance is listed by IARC as a Carcinogen.
	Chromic (VI) Acid	This substance is listed by IARC as a Carcinogen.
OSHA	No substance in this product is regulated by OSHA as a carcinogen	

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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.
- 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.
carbon dioxide (CO₂)
dry chemical
foam
water spray
- 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 : Wear personal protective equipment.
Clean contaminated surface thoroughly.
Neutralize with lime milk or soda and flush with plenty of water.
Keep in suitable, closed containers for disposal.

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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

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.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Component	ACGIH TLV (TWA)	OSHA PEL (TWA)
Chromium (III) phosphate	0.5 mg/m ³ as CrN.D.	0.5 mg/m ³ as CrN.D.
Phosphoric acid	1 mg/m ³ N.D.	1 mg/m ³ N.D.
Chromic (VI) Acid	0.05 mg/m ³ as CrN.D.	0.005 mg/m ³ as CrN.D.

Eye protection : Chemical resistant goggles must be worn.

Hand protection : impervious gloves

Skin and body protection : rubber or plastic apron

Respiratory protection : Use NIOSH approved respiratory protection.

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

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pH	:	< 2.5
Melting point/range	:	Note: no data available
Boiling point/range	:	Note: no data available
Vapour pressure	:	Note: no data available
Bulk density	:	11.9 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	:	1.418
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 oxides of phosphorus

SECTION 11. TOXICOLOGICAL INFORMATION

Toxicity:	:	Mixture; Not Determined.
Acute oral toxicity		
Phosphoric acid	:	LD50, rat Dose: 1,530 mg/kg
Chromic (VI) Acid	:	LD50, rat Dose: 52 mg/kg

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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	: Chromium (III) phosphate	CAS-No. 7789-04-0
SARA 313 Components	: Chromic (VI) Acid	CAS-No. 1333-82-0
SARA 313 Components	: N.D.	
CERCLA Reportable Quantity	: Chromium (III) phosphate	10 Pounds
	: Phosphoric acid	5,000 Pounds
	: Chromic (VI) Acid	10 Pounds
California Prop. 65	: N.D	
NFPA	: 3 0 1	
HMIS	: 3 0 1 J	
WHMIS	: E: Corrosive Material D2A: Very Toxic Material Causing Other Toxic Effects	

SECTION 16. OTHER INFORMATION

Further information

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