

**Okemcoat® F-2**Version 1.6  
Revision Date 02/25/2009

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**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

Product name : Okemcoat® F-2  
 MSDS Number : REL\_4662

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	735517-5038P	1.00 - 5.00
Chromic (VI) Acid	1333-82-0	5.00 - 10.00
Nitric acid	7697-37-2	1.00 - 5.00
Chromium (III) phosphate	7789-04-0	5.00 - 10.00

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

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

Form : liquid  
 Colour : greenish-blue  
 Odour : acrid  
 Hazard Summary : Causes severe burns. Also harmful by inhalation and if swallowed. May cause cancer.

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

**Carcinogenicity:**

NTP Chromic (VI) Acid This substance is listed by NTP as a Carcinogen.  
 IARC 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

**SECTION 4. FIRST AID MEASURES**

Inhalation : Move to fresh air. If symptoms persist, call a physician. If

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	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.
TDG Flammability Class	: NONE
Suitable extinguishing media	: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special protective equipment for fire-fighters	: Use personal protective equipment. Wear self contained breathing apparatus for fire fighting if necessary.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

Methods for cleaning up	: Cover with dry sodium carbonate. Clean up promptly by scoop or vacuum. Flush with water.
Additional advice	: Never return spills in original containers for re-use.

**SECTION 7. HANDLING AND STORAGE**

<b>Handling</b>	
Handling	: Unscrew closure slowly. Allow all pressure to escape through threads before removing closure

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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  
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)
Trade Secret Registry	N.D.	80 mg/m <sup>3</sup> N.D.
Chromic (VI) Acid	0.05 mg/m <sup>3</sup> as CrN.D.	0.005 mg/m <sup>3</sup> as CrN.D.
Nitric acid	5.2 mg/m <sup>3</sup> N.D.	5 mg/m <sup>3</sup> N.D.
Chromium (III) phosphate	0.5 mg/m <sup>3</sup> as CrN.D.	0.5 mg/m <sup>3</sup> as CrN.D.

Eye protection : Chemical resistant goggles must be worn.

Hand protection : Neoprene gloves

Skin and body protection : Complete suit protecting against chemicals

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 : < 2.5

Freezing point : -8.3 °C (17.1 °F)

Boiling point/boiling range : Note: no data available

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Vapour pressure	:	Note: no data available
Bulk density	:	9.46 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	:	1.136
Evaporation rate	:	1 Note: Water = 1

**SECTION 10. STABILITY AND REACTIVITY**

Conditions to avoid	:	Avoid letting the product become dry. freezing
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 nitrogen oxides (NOx) Oxides of phosphorus

**SECTION 11. TOXICOLOGICAL INFORMATION**

Toxicity:	:	Mixture; Not Determined.
<b>Acute oral toxicity</b> Chromic (VI) Acid	:	LD50, rat Dose: 52 mg/kg

**SECTION 12. ECOLOGICAL INFORMATION**

Not Available

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**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.

**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** : Chromic (VI) Acid CAS-No. 1333-82-0  
: Nitric acid CAS-No. 7697-37-2  
: Chromium (III) phosphate CAS-No. 7789-04-0

**SARA 313 Components** : N.D.

**CERCLA Reportable Quantity** : Chromic (VI) Acid 10 Pounds  
: Nitric acid 1,000 Pounds  
: Chromium (III) phosphate 10 Pounds

**California Prop. 65** : N.D

**NFPA** : 3 0 1 Corrosive Acid

**HMIS** : 3 0 1 J

**WHMIS** : D2A: Very Toxic Material Causing Other Toxic Effects  
E: Corrosive Material

**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.

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