

Gardobond® PC 4610/1

 Version 1.4
 Revision Date 11/01/2007

Print Date 11/01/2007

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Gardobond® PC 4610/1
 MSDS Number : REL_10703

 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 %
Trade secret registry	735517-5207P	20.00 - 30.00
Chromic (VI) acid, diammonium salt	7789-09-5	0.10 - 1.00

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

SECTION 3. HAZARDS IDENTIFICATION
Emergency Overview

Form : liquid
 Colour : yellow
 Odour : acrylic
 Hazard Summary : Harmful if swallowed.Irritating to eyes.May cause skin irritation.May cause cancer.

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

Carcinogenicity:

NTP Chromic (VI) acid, diammonium salt This substance is listed by NTP as a Carcinogen.
 IARC Chromic (VI) acid, diammonium salt 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 : Remove person to fresh air. If signs/symptoms continue, get

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	medical attention.
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 1 or 2 glasses of water. Never give anything by mouth to an unconscious person. Obtain medical attention.

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	: In the event of fire, wear self-contained breathing apparatus.
Further information	: Water mist may be used to cool closed containers.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions	: Ensure adequate ventilation.
Methods for cleaning up	: Soak up condensate with inert absorbent material and collect in ventilated waste container for disposal. Flush with water. 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.

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Storage

Requirements for storage areas and containers : KEEP FROM FREEZING
Store indoors in a cool, well-ventilated place
Keep containers tightly closed to avoid contamination

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Component	ACGIH TLV (TWA)	OSHA PEL (TWA)
Trade secret registry	N.D.	N.D.
Chromic (VI) acid, diammonium salt	0.05 mg/m ³ skin, as CrN.D.	0.005 mg/m ³ as CrO ₃ , ceilingN.D.

Eye protection : safety glasses with side-shields

Hand protection : impervious gloves

Skin and body protection : rubber or plastic apron

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

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

pH : 7.0 - 8.5

Melting point/range : 0 °C (0 °C)

Boiling point/range : Note: no data available

Vapour pressure : Note: no data available

Bulk density : 8.9 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 : 0

Relative density : 1.03

Evaporation rate : 1
Note: Water = 1

SECTION 10. STABILITY AND REACTIVITY

Conditions to avoid : freezing
Direct sources of heat.

Materials to avoid : acids,
oxidizing agents

Hazardous decomposition products : carbon dioxide (CO₂)
carbon monoxide
nitrogen oxides (NO_x)

SECTION 11. TOXICOLOGICAL INFORMATION

Toxicity: : Mixture; Not Determined.

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.

SECTION 14. TRANSPORT INFORMATION

Refer to Bill of Lading.

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SECTION 15. REGULATORY INFORMATION

TSCA Status	:	All components of this material comply with US TSCA requirements.	
SARA 313 Components	:	Chromic (VI) acid, diammonium salt	CAS-No. 7789-09-5
SARA 313 Components	:	N.D.	
CERCLA Reportable Quantity	:	Chromic (VI) acid, diammonium salt	10 Pounds
California Prop. 65	:	N.D	
NFPA	:	1 0 0	
HMIS	:	1 0 0 C	
WHMIS	:	D2B: Toxic Material Causing Other Toxic Effects D2A: Very Toxic Material Causing Other Toxic Effects	

SECTION 16. OTHER INFORMATION**Further information**

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