

MATERIAL SAFETY DATA SHEET:

DARAMEND® 2007Fe20

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**1. PRODUCT IDENTIFICATION:
PRODUCT USE:**

DARAMEND® 2007Fe20
Bioremediation Product

MANUFACTURER:

Adventus Americas Inc.
2871 W. Forest Rd, Suite 2
Freeport, IL
61032

EMERGENCY PHONE:

Office Hours: 815-235-3503
After Hours: 630-309-1175

TRANSPORTATION OF DANGEROUS GOOD CLASSIFICATION:

Not Regulated

WHMIS CLASSIFICATION:

Not Regulated

CONTAINMENT HAZARD:

Any vessel that contains wet DARAMEND or DARAMEND and water must be vented due to potential pressure build up from fermentation gasses.

2. INGREDIENTS

CHEMICAL NAME:	CAS#	TLV (mg/m3)	LD low (mg/Kg)
Organic Amendment	N/D	N/E	N/E
Iron	1309-37-1	5 (as iron oxide fume)	N/E

3. PHYSICAL DATA

Physical state.....	Solid	Melting point.....	1371-1480°F
Odour threshold.....	N/A	Boiling point.....	3000°C
Density.....	0.83 Kg/L	Vapour pressure (mm Hg).....	1 @ 1787°C
pH.....	N/A	Vapour density (air=1).....	N/A
Solubility in water.....	Insoluble	Evaporation rate.....	N/A
Coeff. of water/oil.....	N/A		
Appearance & odour.....	Odourless, Tan/Brown Flakes		

4. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Deg. C PMCC):	N/A	LOWER	UPPER
FLAMMABLE LIMITS IN AIR % BY VOLUME:		N/A	N/A
AUTO IGNITION TEMP (Deg. C):		N/A	

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EXTINGUISHING MEDIA: Dry chemicals or sand or universal type foam.

SPECIAL PROCEDURES:

Firefighters should wear SCBA and protective clothing.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Dust can present fire and explosion hazards when exposed to fire, chemical reaction, or contact with powerful oxidizers.

5. REACTIVITY DATA

STABILITY (NORMAL COND.):

Stable: X Unstable:

CONDITIONS TO AVOID:

Contact with powerful oxidizers such as strong acids.

INCOMPATIBILITY (Materials to Avoid):

Powerful oxidizers such as strong acids.

HAZARDOUS DECOMPOSITION PRODUCTS:

Hydrogen, Carbon monoxide, Carbon dioxide.

6. TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY:

Inhalation

Ingestion (not likely)

HEALTH HAZARDS:

Acute overexposure may cause eye, nose, mouth and skin irritation.

Carcinogenicity: No Information Available

Signs and Symptoms of Exposure: No Information Available

Medical Conditions Generally

Aggravated by Exposure: No Information Available

7. PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT:

Eye Protection: X Gloves: X Clothing:

RESPIRATORY PROTECTION:

Use dust mask in severe conditions.

Use good housekeeping practices to keep dust to a minimum.

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VENTILATION REQUIREMENTS:

Not normally required.

SPILL AND LEAK PROCEDURES:

Sweep up and return to container.

WASTE DISPOSAL:

Sanitary landfill. Follow Federal, State and Local guidelines.

HANDLING PROCEDURES:

Wear safety glasses for normal use. Avoid generating excessive dust, wear dust mask in severe conditions.

STORAGE REQUIREMENTS:

Do not store near powerful oxidizers such as strong acids. Keep dry.
Any vessel that contains wet DARAMEND or DARAMEND and water must be vented due to potential pressure build up from fermentation gasses.

SPECIAL HANDLING INFORMATION:

Treat as a nuisance dust

8. FIRST AID MEASURES

INHALATION: Remove to fresh air. Seek medical attention.

INGESTION: Seek medical attention.

SKIN CONTACT: Brush off excess. Wash with soap and water.

EYE CONTACT: Flush with running water. Seek medical attention.

9. OTHER INFORMATION

None

10. PREPARATION INFORMATION

Prepared By:	K. Bolanos-Shaw	Date Prep./Rev.:	6/24/08
	Adventus Remediation Technologies	Print Date:	6/24/08
	1345 Fewster Drive	Phone:	905-273-5374
	Mississauga, Ontario	Fax:	905-273-4367
	L4W 2A5		

Definitions:

N/D - No Data	N/A - Not Applicable	N/E - Not Established	< - Less than
A= Oral rat LD50	B= Oral rat	LD low C= Oral LD50/LD low other animal	> - Greater than
D= Estimated 1000	E= Arbitrary 2000	F= Other route prefix	
C= Ceiling limit			