

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

DARAMEND® D6386  
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:**

Powdered Organic Amendment

**CAS#**

N/D

**TLV(mg/m3)**

N/E

**LD50(mg/kg)**

>2000

% Range - (60 to 100)

**3. PHYSICAL DATA**

Physical state..... Solid  
Odour threshold..... N/A  
Specific gravity..... N/A  
Density..... 0.52 kg/L  
pH..... N/A  
Solubility in water..... N/A  
Appearance & odour..... Yellow/brown flakes

Freezing point (Deg.C)..... N/A  
Boiling point (Deg.C)..... N/A  
Vapour pressure..... N/A  
Vapour density (air=1)..... N/A  
Evaporation rate..... N/A  
Coeff. of water/oil..... N/A

**4. FIRE AND EXPLOSION HAZARD DATA**

**CONDITIONS OF FLAMMABILITY:**

Non Flammable

**EXTINGUISHING MEDIA:**

**WATER**

X

**FOAM**

X

**CO<sub>2</sub>**

X

**OTHER:** Dry Chemical

**SPECIAL PROCEDURES:**

Use media applicable to primary cause of fire. Firefighters should wear SCBA.

**FLASH POINT (Deg. C PMCC):** None

**FLAMMABLE LIMITS IN AIR % BY VOLUME:**

	<b>LOWER</b>	<b>UPPER</b>
	N/A	N/A

**AUTO IGNITION TEMP (Deg. C):** N/A

**HAZARDOUS COMBUSTION PRODUCTS:** N/D

**EXPLOSION DATA:**

Sensitivity to Impact..... None known  
Sensitivity to Static Discharges..... Not sensitive (minimum spark ignition energy >8J)  
Relative Explosion Hazard Rating..... Weak

**5. REACTIVITY DATA**

**STABILITY (NORMAL COND.):**

**Stable:** X      **Unstable:**

**CONDITIONS TO AVOID:** None

**CONDITIONS OF REACTIVITY:** None

**INCOMPATIBILITY (Materials to Avoid):** None

**HAZARDOUS DECOMPOSITION PRODUCTS:** None

**6. TOXICOLOGICAL PROPERTIES**

**ROUTE OF ENTRY:**

Skin Contact  
Absorbed by skin  
Eye Contact  
Inhalation  
Ingestion

Effects of acute exposure: None

Effects of chronic exposure: None

Oral rat LD50 mg/kg (calc.).....	>2000	Exposure limits.....	N/D
Irritancy.....	N/D	Sensitization.....	N/D
Synergistic Mat.....	None known	Carcinogenicity.....	None known
Reproductive Eff.....	None known	Teratogenicity.....	None known
Mutagenicity.....	None known		

**7. PREVENTIVE MEASURES**

**PERSONAL PROTECTIVE EQUIPMENT:**

**Eye Protection:** X      **Gloves:** X      **Clothing:**

**RESPIRATORY PROTECTION:**

Use dust mask in severe conditions

**VENTILATION REQUIREMENTS:**

Not normally required

**SPILL AND LEAK PROCEDURES:**

Sweep up and return to container

**WASTE DISPOSAL:**

No special requirements necessary

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

**HANDLING PROCEDURES:**

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

**STORAGE REQUIREMENTS:**

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**

Not normally required.

Wash off skin with soap and water.

If inhaled, remove to fresh air, treat symptoms as required.

Not toxic if ingested.

**9. OTHER INFORMATION**

None

**10. PREPARATION INFORMATION**

Prepared By: K. Bolanos-Shaw  
Adventus Remediation Technologies  
1345 Fewster Drive  
Mississauga, Ontario  
L4W 2A5

Date Prep./Rev.: 11/6/07  
Print Date: 11/6/07  
Phone: 905-273-5374  
Fax: 905-273-4367

**Definitions:**

N/D - No Data

A= Oral rat LD50

D= Estimated 1000

C= Ceiling limit

N/A - Not Applicable

B= Oral rat LD low

E= Arbitrary 2000

N/E - Not Established

C= Oral LD50/LD low other animal

F= Other route prefix

< - Less than

> - Greater than