

MATERIAL SAFETY DATA SHEET:

Reductive DARAMEND[®]

Page: 1 of 3

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

Reductive DARAMEND[®], D6390Fe40
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)	% by Weight
Organic Amendment	N/D	N/E	N/E	60
Iron	7439-89-6	5	20	40

3. PHYSICAL DATA

Physical state.....	Solid	Freezing point (Deg.C).....	N/A
Odour threshold.....	N/A	Boiling point (Deg.C).....	N/A
Specific gravity.....	N/A	Vapour pressure.....	N/A
Density.....	0.97 Kg/L	Vapour density (air=1).....	N/A
pH.....	6.0	Evaporation rate.....	N/A
Solubility in water.....	N/A	Coeff. of water/oil.....	N/A
Appearance.....	Tan/Brown Flakes		

4. FIRE AND EXPLOSION HAZARD DATA

CONDITIONS OF FLAMMABILITY:

Non Flammable

EXTINGUISHING MEDIA:

WATER FOAM CO₂

X

OTHER: Use a fog nozzle to spray water

SPECIAL PROCEDURES:

Firefighters should wear SCBA.

FLASH POINT (Deg. C PMCC): None

	LOWER	UPPER
FLAMMABLE LIMITS IN AIR % BY VOLUME:	N/A	N/A
AUTO IGNITION TEMP (Deg. C):	N/A	
HAZARDOUS COMBUSTION PRODUCTS:	Some metallic oxides	

EXPLOSION DATA:

Sensitivity to Impact.....None known
Sensitivity to Static Discharges.....Not sensitive (minimum spark ignition energy >8J, determined by analysis of D6386)

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

Effects of acute exposure: Inhalation: over-exposure by inhalation may cause respiratory irritation.
Eyes: may irritate eyes (conjunctivitis, retinae) upon contact.
Ingestion: not a normal exposure route, but could induce gastric problem.
Effects of chronic exposure: Repeated inhalation of dust can produce respiratory irritation.

LD low (rabbit) mg/kg (calc.).....100	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

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.

9. OTHER INFORMATION

None

10. PREPARATION INFORMATION

Prepared By:

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Date Prep./Rev.:

12/4/09

Print Date:

12/4/09

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Definitions:

N/D - No Data

N/A - Not Applicable

N/E - Not Established