

TR-419 A-50X



ADVENTUS

Proven Soil, Sediment, and Groundwater Remediation Technologies

Safety Data



MATERIAL SAFETY DATA SHEET:

EHC-A™

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

EHC-A™
For the remediation of contaminated groundwater only. Not for use with potable drinking water.

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 EHC or EHC 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
Ferrous Sulfate	7782-63-0	N/E	319 (oral rat)

3. PHYSICAL DATA

Physical state.....	Solid	Freezing point.....	0°C
Odour threshold.....	N/A	Boiling point.....	N/A
Density.....	1.08 kg/L	Vapour pressure (mm Hg).....	N/A
pH.....	N/A	Vapour density (air=1).....	N/A
Solubility in water.....	Soluble	Evaporation rate.....	N/A
Coeff. of water/oil.....	N/A		
Appearance & odour.....	White Powder, mild sweet odour		

4. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Deg. C):	250	LOWER	UPPER
FLAMMABLE LIMITS IN AIR % BY VOLUME:		N/A	N/A
AUTO IGNITION TEMP (Deg. C):		N/A	

EXTINGUISHING MEDIA: Foam, CO2, Dry chemicals or water.



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SPECIAL PROCEDURES: N/A

UNUSUAL FIRE AND EXPLOSION HAZARDS: N/A

5. REACTIVITY DATA

STABILITY (NORMAL COND.):

Stable: X **Unstable:**

6. TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY:

Inhalation

Ingestion

Skin

Eyes

HEALTH HAZARDS:

Inhalation: Dust irritation, respiratory ailments may be aggravated by dust (allergen)

Skin Contact: Dust irritation

Eye Contact: Dust irritation

Potential Allergen: This product is a potential allergen due to the presence of milk proteins.

EMERGENCY FIRST AID:

Skin: Wash with soap and water and rinse with water

Eye: Rinse with water, see physician if necessary

Inhalation: Not applicable

Ingestion: Do not provoke vomiting. See physician if necessary

7. PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT:

Gloves: PVC or rubber

Clothing: Good manufacturing practices

Respiratory: Dust mask



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Eye: Safety glasses

Footwear: Safety shoes

Engineering Controls: Not applicable

SPILL AND LEAK PROCEDURES:

Sweep up or shovel up and dispose of in a suitable container. Clean area with detergent and rinse.

WASTE DISPOSAL:

In accordance with local, provincial, state and federal regulations

HANDLING PROCEDURES:

Not applicable.

STORAGE REQUIREMENTS:

Keep away from heat source, store in cool storage (20°C/68°F) with a relative humidity of less than 50%.

Avoid storing near strong smelling products.

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

8. PREPARATION INFORMATION

Prepared By: Adventus Remediation Technologies
1345 Fewster Drive
Mississauga, Ontario
L4W 2A5

Date Prep./Rev.: 10/26/05
Print Date: 10/26/05
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Definitions:

N/D - No Data

A= Oral rat LD50

D= Estimated 1000

C= Ceiling limit

N/A - Not Applicable

B= Oral rat

E= Arbitrary 2000

N/E - Not Established

LD low C= Oral LD50/LD low other animal

F= Other route prefix

< - Less than

> - Greater than

EHC™ is a trademark of Adventus Intellectual Property Inc.