

6. ACCIDENTAL RELEASE MEASURES




Ensure adequate ventilation. High concentrations of dust, may constitute an explosion hazard. Eliminate sources of ignition. Dust clouds are sensitive to ignition by electrostatic discharge. Avoid dust generation. Caution - spillages may be slippery. Do not allow to enter drains, sewers or watercourses.

Personal Precautions	Wear suitable protective clothing. (See Section: 8)
Other	Sweep up spilled substance but avoid breathing dust. Transfer to a container for disposal or recovery. Disposal should be in accordance with local, state or national legislation.

7. HANDLING AND STORAGE

HANDLING	Avoid generation of dust. Use only with adequate ventilation to keep exposures (airborne levels of dust, fume, vapour etc) below recommended exposure limits.
STORAGE	Avoid build up of dust. Keep containers in a clean, cool and dry area away from heat sources.
Storage Temperature:	Ambient temperatures.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

	Respirators	An approved dust mask should be worn if dust is generated during handling.
	Eye Protection	Wear protective eyewear (goggles, face shield, or safety glasses).
	Gloves	Protective gloves.
Other		Wear protective equipment to comply with good occupational hygiene practice.

OCCUPATIONAL EXPOSURE LIMITS

SUBSTANCE.	CAS No.	ACGIH TLV-TWA	STEL (mg/m ³)	Note:
Iron Oxides	1317-61-9	5 mg/m ³ (R)	-	

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Powder
Colour	Brown
Odour	Slight
pH (Value)	7 (3% aqueous solution)
Boiling Point (°C)	Not applicable
Flash Point (°C)	Not applicable
Vapour Pressure (Pascal)	Not applicable
Specific Gravity	<1

Revision:	Product Name	Date: April 20, 2011
002 New Format	FLC2000®	Page:2/5

Bulk Density (g/ml)	30-40 lb/cu ft.
Solubility (Water)	Partially soluble
Vapour Density (Air=1)	Not applicable
Relative Evaporation Rate (Ether = 1)	Not applicable

10. STABILITY AND REACTIVITY

Hazardous Reactions	Stable under normal conditions.
Hazardous Decomposition Product(s)	Decomposes in a fire giving off toxic fumes: Carbon monoxide, Carbon dioxide
Incompatible materials:	Oxidizing agents.

11. TOXICOLOGICAL INFORMATION

Inhalation	Avoid inhalation of high concentrations of dusts. May cause irritation to the respiratory system.
Skin Contact	May cause irritation
Eye Contact	May cause eye irritation.
Ingestion	Ingestion may cause irritation of the gastrointestinal tract.
Long Term Exposure	No known long term hazards are associated with the use of this material.

12. ECOLOGICAL INFORMATION

Environmental Fate and Distribution	No environmental hazards have been reported or known. Avoid release to the environment.
Persistence and Degradation	Not determined
Toxicity	<p>This product has been evaluated by CEFAS (The Center for Environment, Fisheries & Aquaculture Science) and has been accepted onto the list of Approved Products suitable for use by the North Sea Oil and Gas Industry.</p> <p>LC50 (Rainbow trout): 490 mg/l – 96 hr.</p> <p>LC50 (Daphnia magna) : 980 mg/l – 48 hr.</p> <p>BOD: 200 mg O₂/gram</p> <p>COD: 1600 mg O₂/gram</p>

13. DISPOSAL CONSIDERATIONS

Regulatory information	The waste is considered to be non hazardous.
Recommended:	Disposal should be in accordance with local, state or national legislation.

14. TRANSPORT INFORMATION

HARMONIZED TARIFF CODE **3824.90.92.90**

INTERNATIONAL TRANSPORT REGULATIONS

Proper Shipping Name Not classified as dangerous for transport.

SEA

IMDG Class Not classified as dangerous for transport.

Revision:	Product Name	Date: April 20, 2011
002 New Format	FLC2000®	Page:3/5

	SAFETY DATA SHEET	FLC2000®
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AIR

ICAO/IATA Class Not classified as dangerous for transport.

EUROPEAN REGULATIONS: ROAD/RAIL

ADR/RID Class Not classified as dangerous for transport.

15. REGULATORY INFORMATION

EC Classification Not classified as hazardous for supply/use according to the Chemicals (Hazard Information and Packaging for Supply) Regulations 2009.

Hazard Symbol Not classified

Risk Phrases None

INTERNATIONAL INVENTORIES

- Australia (AICS) All components listed or polymer exempt.
- China (IECSC) All components listed or polymer exempt.
- EINECS (Europe) All components listed or polymer exempt.
- Japan (ENCS) All components listed or polymer exempt.
- Korea (ECL) All components listed or polymer exempt.
- New Zealand All components listed or polymer exempt.
- Philippines (PICCS) All components listed or polymer exempt.

16. OTHER INFORMATION

HMIS (Hazardous Material Information System)	
Health	1
Flammability	1
Reactivity	0
Personal Protection	E

Packaging: 25 pound (11.34 kg) sacks, 48 sacks per pallet, 1200 lbs. (544.32 kg), Pallet and shrink-wrap weight approximately 50 lbs. (22.7 kg). Full, shrink-wrapped pallets are 44 square by 40 high, weighing approximately 1250 (568.2 kg).

This Safety Data Sheet was prepared in accordance with Directive 2001/58/EC.

GLOSSARY

- ACGIH American Conference of Governmental Industrial Hygienists
- BOD Biological Oxygen Demand (BOD 28 DAY/COD):
- CAS No. Chemical Abstract Services
- CERCLA Comprehensive Environmental Response Compensation and Liability Act
- COD Chemical Oxygen Demand (COD)
- HMIS Hazardous Material Information System
- IARC International Agency for Research on Cancer
- LC50 Lethal Concentration

Revision:	Product Name	Date: April 20, 2011
002 New Format	FLC2000®	Page:4/5

NTP	National Toxicology Program
NIOSH	National Institute for Occupational Safety & Health
PEL	Permissible Exposure Limit
R	Respirable Dust.
TLV:	Threshold Limit Value (ACGIH)
TSCA	Toxic Substance Control Act
TWA	Time Weighted Average

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