

**DENSIMIX, INC.**3355 WEST ALABAMA  
SUITE 400  
HOUSTON, TEXAS 77098  
(713) 627-1102**MATERIAL SAFETY DATA SHEET**  
ENVIRONMENTAL AND HEALTH TECHNICAL BULLETIN

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**SECTION I - IDENTIFICATION**

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DENSIMIX, INC./E & B, INC.  
3355 WEST ALABAMA, SUITE 400  
HOUSTON TX 77098

EMERGENCY TELEPHONE NUMBER

713-627-1102

CHEMICAL NAME AND SYNONYMS  
CHEMICAL FAMILYHEMATITE, IRON OXIDE  
FERRIC OXIDES

TRADE NAME AND SYNONYMS:

DENSFIL, IRON OXIDE  
HEMATITE, RD90

FORMULA:

FE<sub>2</sub>O<sub>3</sub>  
CAS# 1309-37-1

NFPA HAZARD RATING INDEX

HEALTH: 1

FIRE: 0

INSTABILITY: 0

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**SECTION II - PHYSICAL DATA**

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BOILING POINT (OF):  
SPECIFIC GRAVITY (H<sub>2</sub>O -1)  
VAPOR PRESSURE (MM Hg.)  
VAPOR DENSITY (AIR - 1)  
SOLUBILITY IN WATER:  
APPEARANCE AND ODOR:N/A  
4.8 - 5.1+  
N/A  
N/A  
NOT SOLUBLE  
GREY BLACK TO BLACKISH RED OR  
BROWNISH RED. OR BRICK RED  
POWDER  
ODORLESS

**SECTION III - HAZARDOUS INGREDIENTS/IDENTIFICATION**

HAZARDOUS MIXTURES OF LIQUIDS, SOLIDS OR GASES :  
NO HAZARDOUS INGREDIENTS

ACUTE HEALTH HAZARD - SLIGHT  
CONTACT HAZARD - SLIGHT  
FIRE HAZARD - NONE  
REACTIVITY HAZARD - NONE

**SECTION IV - FIRE AND EXPLOSION HAZARD DATA**

FLASH POINT (METHOD USED)	N/A, NON FLAMMABLE
FLAMMABLE LIMITS	N/A
EXTINGUISHING MEDIA	AS APPROPRIATE FOR SURROUNDING COMBUSTIBLES - DOES NOT BURN OR SUPPORT COMBUSTION
SPECIAL FIRE FIGHTING PROCEDURES	N/A
UNUSUAL FIRE AND EXPLOSION HAZARDS	N/A

**SECTION V - SPECIAL PROTECTION INFORMATION**

RESPIRATORY PROTECTION	NIOSH APPROVED RESPIRATOR FOR NUISANCE DUST AND RESPIRABLE DUST
PROTECTIVE GLOVES	RUBBER GLOVES
EYE PROTECTION	CHEMICAL GOGGLES OR SAFETY GLASSES
OTHER PROTECTIVE EQUIPMENT	RUBBER APRON
VENTILATION	LOCAL EXHAUST FOR WORKER COMFORT

**SECTION VI - REACTIVITY DATA**

STABILITY	STABLE
CONDITIONS TO AVIOD	NONE KNOWN
INCOMPATABILITY (MATERIALS TO AVIOD)	NONE KNOWN
HAZARDOUS DECOMPOSITION PRODUCTS	NONE KNOWN
HAZARDOUS POLYMERIZATION	WILL NOT OCCUR
CONDITIONS TO AVOID	N/A



# MATERIAL SAFETY DATA SHEET (MSDS)

24 HOUR EMERGENCY PHONE: 1-800-424-9300

## SECTION 1 - IDENTIFICATION

**Name:** Palisade Defoamer Agent  
**Product:** Liquid, ready to use water based defoamer  
**Date Prepared:** 09/26/06  
**Manufacturer's Name:** CFR Division of Tacony Corp.  
**Address:** 3101 Wichita Court, Fort Worth, TX 76140-1755  
**Emergency Telephone Number:** 1-800-424-9300  
**Telephone Information Number:** 1-800-880-2913

## SECTION 2 - HAZARDOUS INFORMATION

Component	CAS #	PEL	TLV	%
Polyalkylene Glycol Surfactant	Trade Secret			25-35%

## SECTION 3 - PHYSICAL DATA

Boiling Point: 212-214°F  
Vapor Pressure (mm Hg.): Same as water  
Vapor Density (air = 1): Same as water  
Melting Point: N/A  
Specific Gravity (H<sub>2</sub>O = 1): 1.00-1.04  
Evaporation Rate (BuAc=1): N/A  
Solubility in Water: Complete  
Appearance and Odor: Clear colorless liquid

## SECTION 4 - FIRE & EXPLOSION DATA

Flash Point: None  
Flammable Limits: N/A  
LEL: N/A  
UEL: N/A  
Extinguishing Media: Product does not burn. Upon evaporation of water, surfactants may burn; use any extinguishing medium.  
Special Firefighting Procedures: None required  
Unusual Fire Hazards: None known. Containers, when closed, will naturally build up pressure when heated by fire.

## SECTION 5 - REACTIVITY DATA

Stability: Stable  
Conditions to Avoid: Store in cool area  
Incompatibility: N/A  
Hazardous Decomposition: At high temperatures (from a fire) small amounts of CO<sub>1</sub> will be generated.  
Hazardous Polymerization: Will not occur

### HAZARDOUS MATERIAL I.D. SYSTEM

0	FLAMMABILITY
1	HEALTH
0	REACTIVITY
B	SPECIAL PROTECTION
HAZARD INDEX 0-MINIMAL 1-SLIGHT 2-MODERATE 3-SERIOUS 4-EXTREME	



A Tacony Company

3101 Wichita Court • Ft. Worth, TX 76140-1755

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## SECTION 6 - HEALTH HAZARD DATA

Route(s) of Entry:  
Inhalation: Yes  
Skin: Yes  
Ingestion: Yes  
Eyes: Yes  
Health Hazards (Acute and Chronic): Can cause eye irritation. May cause skin irritation. Harmful if swallowed. Avoid breathing mists of product. Can cause nose, throat and respiratory tract irritation.  
Carcinogenicity: No  
NTP: No  
LARC Monographs: No  
OSHA Regulated: N/A

**Signs and Symptoms of Exposure:** Irritated (reddened) skin, irritation in eyes. Irritated respiratory passages.  
**Emergency and First Aid Procedures:** If eye/skin contact flush with cool running water for at least 15 minutes, obtain medical attention if irritation persists. If swallowed rinse mouth with water. **Do not induce vomiting.** Get medical attention immediately. If air passages are irritated from breathing mists, move to fresh air. If irritation persists get medical attention.

## SECTION 7 - PRECAUTIONS FOR HANDLING & USE

Steps to be taken in case material is released or spilled:  
Use absorbent material to enable pick up with shovel and bucket or a wet/dry vacuum (use defoamer) may be used also for pick up.  
Waste Disposal Method:  
Normal, make sure that all federal, state and local regulations are followed.  
Precautions to Be Taken in Handling and Storing:  
Store in area not accessible to children. Keep from freezing. Keep containers tightly closed when not in use. Wash hands after using.  
Other Precautions:  
Do not spray around food, feed or potable water. Do not re-use containers. Use in accordance with label directions. Wash hands after using.

## SECTION 8 - CONTROL MEASURES

Respiratory Protection (Specify Type): None required unless sprayed. If sprayed and product mist is developed, use of facemask or air purifier is recommended.  
Ventilation: N/A  
Local Exhaust: Normal  
Gloves: Waterproof is desired  
Eye Protection: Regular safety goggles  
Other Protective Equipment: None required when used as directed, see label.  
Work/Hygienic Practices: Wash exposed skin area after use.