

Material Safety Data Sheet

Nanoiron Slurry

Effective Date: January 10, 2006

1. CHEMICAL AND COMPANY IDENTIFICATION

Acute Health. . . 1
Fire. 0
Reactivity. . . . 0

LEHIGH NANOTECH, LLC
115 Research Drive
Bethlehem, PA 18015
610-419-0291

HMIS Hazard Rating
Least=0 Slight=1 Moderate=2 High=3 Extreme=4

EMERGENCY TELEPHONE NUMBER: For
emergency involving spill, leak, fire, exposure
or accident, call (800) 959-1119

PRODUCT NAME: Nanoiron Slurry

For Medical Emergencies involving this product call:
(800) 959-1119

CAS NUMBER: 7439-89-6

GENERAL USE: Environmental Applications

2. COMPOSITION/INFORMATION ON INGREDIENTS

OSHA-REGULATED COMPONENTS (present at a
Concentration of > or = 1%):
Component CAS# % PEL TLV
Not Applicable

The following components, present at a concentration
of > or = 0.1%, are listed as carcinogens or potential
carcinogens by either the National Toxicology Program
(NTP), the International Agency for Research on:
Cancer (IARC) or OSHA:
Component: CAS# % PEL TLV
Not applicable

3. HAZARDS IDENTIFICATION**POTENTIAL HEALTH EFFECTS**

EYE CONTACT: Causes eye irritation on direct contact.
SKIN CONTACT: May cause skin irritation on prolonged or repeated contact.
INGESTION: May be harmful if swallowed in large quantities.
INHALATION: No adverse effects expected.

4. FIRST AID MEASURES

EYE CONTACT: Flush eyes with large amounts of water for 15 minutes. Get medical attention if irritation persists.
SKIN CONTACT: Rinse area with plenty of water. Get medical attention if irritation persists.
INGESTION: Drink plenty of water. Get Medical attention immediately.
INHALATION: Not Applicable.

5. FIRE FIGHTING MEASURE

Flash Point (Method): Not Applicable
Extinguishing Media: Water spray, all-purpose dry chemical, CO₂.

6. ACCIDENTAL RELEASE MEASURES

Cover with inert, absorbent material and remove to disposal container. Spill area may be slippery. Flush with plenty of water.

7. HANDLING AND STORAGE

Store in a tightly closed container in a cool, dry, well-ventilated area.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

GENERAL CONTROLS: Avoid eye and skin contact.

PROTECTIVE CLOTHING: The use of safety goggles and protective gloves is recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and odor: Viscous liquid.

PH: 5.5 – 6.7

10. STABILITY AND REACTIVITY

GENERAL: This product is stable.

INCOMPATIBLE MATERIALS: None Known

HAZARDOUS DECOMPOSITION: None Known

11. TOXICOLOGICAL INFORMATION

This product has not been tested as a whole. However, this formula is determined to be safe for its intended use. This review has taken into consideration available safety-related information including information on individual ingredients, similar ingredients, similar formulas and potential ingredient interactions. This review is a component of the hazard determination used to prepare the statements in Section 3 of this MSDS.

12. ECOLOGICAL INFORMATION

Not Available

13. DISPOSAL CONSIDERATIONS

Any disposal practice must be in compliance with local, state, and federal laws and regulations (contact local or state environmental agency for specific rules).

14. TRANSPORTATION

Not regulated as a DOT hazardous material.

15. REGULATORY INFORMATION

RCRA (40 CFR 261, Subpart D): Not Applicable

CLEAN WATER ACT: Not Applicable

SARA: Sections 301-304 (Threshold planning quantity – TPQ)
40 CFR 355: Not Applicable

Section 313 (Toxic chemical release reporting) 40 CFR 372:
The following chemicals must be reported under SARA 313:
Not Applicable

CERCLA: Section 102 (Reportable Quantity – RQ) 40 CFR
302: Not Applicable

NEW JERSEY RIGHT TO KNOW HAZARDOUS

SUBSTANCE LIST: This product contains the following components subject to reporting requirements: None

PENNSYLVANIA HAZARDOUS SUBSTANCE LIST:
This product contains the following components subject to reporting requirements: None

MASSACHUSETTS SUBSTANCE LIST: This product contains the following components subject to reporting requirements: None

CANADA: Workplace Hazardous materials Information systems (WHMIS)-listed material

This product contains the following components subject to reporting requirements: None

16. OTHER INFORMATION

Effective date: December 10, 2003

The information on this sheet is limited to the material identified and is believed by PARS Environmental, Inc. to be correct based on its knowledge and information as of the dated noted. PARS makes no representation, guarantee or warranty, expressed or implied, as to the accuracy, reliability or completeness of the information and assumes no responsibility for injury, damage or loss resulting from the use of the material.