

# MLP Steel, LLC

Fayette Steel Division • Laurel Steel Division

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Dear Customer:

Enclosed are Material Safety Data Sheets (MSDS) for the steel products you have purchased, or may purchase, in the near future from MLP Steel, LLC. The Material Safety Data Sheets are provided as part of our continuing efforts to comply with the Occupational Safety and Health Administration Hazard Communication Standard, 29 CFR 1910.1200. These MSDSs are complete and accurate to the best of our knowledge.

While steel products in their usual physical state are not considered hazardous, when subjected to welding, burning, grinding, cutting, abrasive blasting, heat treating, pickling, or similar operations, they may emit potentially hazardous fumes or dusts.

Non-metallic coatings, such as drawing compounds and water soluble oils may be applied in small quantities to the surface of steel products during the manufacturing process. The possible presence of these coatings should be recognized and considered when evaluating potential employee health hazards and exposures.

If you have any questions concerning the Material Safety Data Sheet program, please contact the Safety Department at the phone number listed on the MSDS.

Respectfully submitted,

*Judy DeWitt*

Human Resources & Safety Mgr.  
MLP Steel, LLC



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**MLP STEEL, LLC  
FAYETTE STEEL DIVISION**

**MATERIAL SAFETY DATA SHEET**

-----**GENERAL INFORMATION**-----

**MANUFACTURER:** MLP STEEL, LLC Date: January 2008  
FAYETTE STEEL DIVISION  
18 Mount Pleasant Road  
Scottsdale, PA 15683

For Additional Information, contact:  
Safety Department  
(724) 887-8100

-----**PRODUCT IDENTIFICATION**-----

**PRODUCT NAME:** Mild Steel Wire **Formula**  
NA

**Synonym(s):** NA **Chemical Family**  
NA

-----**TYPICAL CHEMICAL COMPOSITION (1)**-----

<u>Ingredient (2)</u>	<u>CAS No.</u>	<u>Wt. %</u>	<u>Permissible Air Level (3)</u>	
			<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Iron	7439-89-6	Balance	10 (4)	5 (4)
Manganese	7439-96-5	.25-2.0	5 (5)	1.0 (6)
Trace Elements	NA	LT 2.0	NA	NA

-----**PHYSICAL DATA**-----

**Physical State:** Solid **Specific Gravity:** 7.6-7.8  
**Appearance and Odor:** Gray metal; odorless **Vapor Pressure:** NA  
**Boiling Point:** NA **Vapor Density:** NA  
**Melting Point:** 2800°F **Evaporation Rate:** NA  
**Solubility in Water:** NA **% Volatile by Volume:** NA  
**pH:** NA

-----**FIRE AND EXPLOSION HAZARD DATA**-----

Not Applicable

-----**REACTIVITY DATA**-----

**Stability:**

Stable

**Incompatibilities (Materials to avoid):**

Acids

**Hazardous Decomposition Products:**

Fumes and/or gases produced from welding or burning operations

**Polymerization:**

Will not occur

-----**HEALTH HAZARD DATA**-----

**Health Effects/Signs and Symptoms:**

Exposure to the constituents of these products will only occur during activities such as welding or burning. However, because of the low toxicity of the components and/or the low air levels anticipated during such activities, these products are not considered to be hazardous chemicals as defined by the Federal OSHA Hazard Communication Standard.

However, for additional information, users may wish to consult the American National Standard on "Safety in Welding and Cutting" (ANSI Z49.1-1983) which is published by the American Welding Society.

**Usual Route(s) of Entry:**

Inhalation

**Medical Conditions Possibly Aggravated:**

Chronic diseases or disorders of the respiratory system

**Carcinogen Information:**

Not considered to be a carcinogen

-----**FIRST AID AND MEDICAL EMERGENCY PROCEDURES**-----

**Eye Contact:**

Not anticipated to pose a significant eye hazard

**Skin Contact:**

Not anticipated to pose a significant skin hazard

**Inhalation:**

Remove from excessive exposure levels unless proper respiratory protection is worn

**Ingestion:**

Not considered an ingestion hazard

-----OCCUPATIONAL EXPOSURE CONTROL MEASURES-----

**Engineering Controls (Ventilation, etc.):**

Ventilation should be sufficient to maintain exposure levels below the applicable exposure limit

**Work Practices (Handling and Storage, etc.):**

Arc and spark generated when welding or burning on these products could be a source of ignition for combustible or flammable materials

**Eye protection:**

Not anticipated to pose a significant eye hazard

**Skin Protection:**

Not anticipated to pose a significant skin hazard

**Respiratory Protection:**

When engineering controls are not sufficient to lower exposure levels below the applicable exposure limit, use a NIOSH-approved respirator for dusts and metal fumes within the use limits of the respirator

-----SPILL, LEAK, AND DISPOSAL INFORMATION-----

**Procedures to Follow if Material is Released or Spilled:**

NA

**Waste Disposal Method(s):**

Any excess product can be recycled for further use or disposed by methods which are in accordance with local, state, and federal regulations



**Footnotes:**

- (1) Concentrations may vary somewhat between batches or lots.  
Where possible, a concentration range is indicated.  
Occasionally, however, levels may even fall outside of the usual concentration ranges.
- (2) Common names, if applicable, appear in parentheses following the chemical names.
- (3) All values, unless otherwise specified, refer to 8-hour time-weighted average concentrations and units are in mg/M<sup>3</sup>.
- (4) As iron oxide fume.
- (5) Ceiling value.
- (6) As manganese fume.

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**Abbreviations:**

NA = Not Applicable  
NE = Not Established  
UK = Unknown (No applicable information was found)  
GT = Greater Than  
LT = Less Than

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**Revision Information**

Revision Date: January 23, 2008  
Supercedes: July 8, 2002

Revision Number: 2

**Revision Summary**

Company name change.

**DISCLAIMER**

This Material Safety Data Sheet has been prepared solely for the intent of compliance with the provisions of Title 29 CFR 1910.1200 of the Code of Federal Regulations. MLP Steel, LLC (Fayette Steel Division) makes no warranties, expressed or implied including the implied warranty of merchantability, any implied warranty of fitness for a particular purpose and any implied warranties otherwise arising from course of dealing or trade.

Also, this MSDS is intended for use solely in safety education and environmental health training and not for specification purposes. The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. MLP Steel, LLC (Fayette Steel Division) assumes no responsibility and expressly disclaims liability for loss, damage, or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.