

LTV Steel

0560V

Material Safety/Health Data Sheet

W-6438 8-84

DATE

December 26, 1984

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MANUFACTURER'S NAME & ADDRESS

LTV Steel Company P.O. Box 6778 Cleveland, Ohio 44101 - B-LINE SYSTEMS

NAME & TITLE OF INDIVIDUAL SUPPLYING INFORMATION

T.M. Civic Manager Environmental Health

AREA CODE & PHONE NO

(216) 622-5242

AREA CODE & EMERGENCY PHONE NO.

(216) 622-5000

PRODUCT NAME/TRADE NAME

Hot/Cold Rolled Carbon Steel - Sheet, Plate & Strip

CHEMICAL NAME & SYNONYMS

Example AISI Grade 1040

RECOMMENDED USE

NOTE: Ingredients and % wt. vary according to order specification

CAS#

% wt.

Permissible Exposure Limits

Units

Base Metal: Iron

1309-37-1

98 -99

PEL as Iron Oxide Fume

10 mg/M³

Alloys:

Carbon

7440-44-0

.50 max.

None Listed

Manganese

7439-96-5

.25 - 1.65

PEL(c) as Manganese

5 mg/M³

Phosphorus

7723-14-0

.04 max.

PEL as Phosphorus (Yellow)

.1 mg/M³

Sulfur

7704-34-9

.001 - .35

PEL as Sulfur Dioxide

13 mg/M³

II. GENERIC INGREDIENTS

Coatings:

Optional: Light surface coating of petroleum oil and greased edges.

Note: Use gloves when handling to prevent skin irritation.

III. PHYSICAL DATA

1. BOILING POINT-NA

2. VAPOR PRESSURE-NA

3. VAPOR DENSITY-NA

4. SOLUBILITY IN WATER-NA

5. SPECIFIC GRAVITY-7

6. % VOLATILE BY VOLUME-NA

7. EVAPORATION RATE-NA

8. AUTO IGNITION TEMP.-NA

9. APPEARANCE & ODOR

gray-black & odorless

10. PHYSICAL STATE-SOLID

pH-NA

I. FIRST AID:

In case of excessive exposure, remove to fresh air, administer oxygen, and seek physician's assistance.

P. 9 TO PHYSICIAN:

SPECIFIC TYPES & KINDS

1. RESPIRATORY PROTECTION

2. PROTECTIVE CLOTHING

3. GLOVES

4. EYE PROTECTION

5. VENTILATION REQUIREMENTS

NOSH approved equipment/conditions respirator if OSHA PEL is exceeded

Depending on task, special heat, noise and hazard tests for appropriate selection

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NOTE

Steel products in the natural state do not present an inhalation, ingestion or contact hazard. However, operations such as burning, welding, sawing, brazing, and grinding may result in the following effects if exposures exceed permissible limits as listed in Section II.

(3) MAJOR EXPOSURE HAZARD

☒ INHALATION ☐ SKIN CONTACT ☐ SKIN ABSORPTION ☐ EYE CONTACT ☐ INGESTION

Effects of Overexposure --

ACUTE:

Iron (Iron-oxide) - Irritation of eyes, nose, throat, metallic taste in mouth, or metal fume fever.
Manganese - Irritation of eyes, nose, throat, metallic taste in mouth, or metal fume fever.

CHRONIC:

Iron (Iron-oxide) - Pulmonary effects, siderosis.
Manganese - Bronchitis, pneumonitis, lack of coordination.

VI. HEALTH HAZARD DATA

VII. FIRE & EXPLOSION HAZARD DATA

1. Flash Point—NA
2. Lower Explosive Limit—NA
3. Upper Explosive Limit—NA
4. Extinguishing Media—NA
5. Special Fire Fighting Precautions—NA

VIII. REACTIVITY DATA

Stable — Yes
Incompatibility — None
Products of Decomposition:
1. Metal fume: Iron oxide,
2. Manganese
3.
4.

SPECIAL PRECAUTIONS

1. Handling Storage—NA
2. Welding & Cutting—Adequate ventilation and/or approved respiratory protection should be provided if permissible exposure limits are exceeded.
3. Other Precautions—NA

1. Clean up—NA
2. Waste Disposal—NA

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