

Material Safety Data Sheet

DUCTILE IRON (TYLER PIPE)

Date Printed: 12/15/00

MSDS Date: 07/15/99

Section 1: Product and Company Identification

Product Name: DUCTILE IRON (TYLER PIPE)

Synonyms:

Chemical Name:

Chemical Family:

Chemical Formula:

Manufacturer: TYLER PIPE COMPANY

Phone Number: (903) 882-2226

Division:

Fax: (903) 882-2222

Address: P.O. Box 2027 Tyler TX 75710-2027

Prepared By:

Product Use:

Section 1 Notes:

Section 2: Composition/Information on Ingredients

**See Section 11.

OSHA PEL:	OSHA STEL:	CAS #:	OSHA CEILING:	SARA 313 Reportable: No
ACGIH TLV:	ACGIH STEL:		ACGIH CEILING:	

Carbon		CAS: 1333-86-4		SARA 313 Reportable: No
OSHA PEL:	OSHA STEL:		OSHA CEILING:	
ACGIH TLV: 3.5 mg/m3	ACGIH STEL:		ACGIH CEILING:	

Chromium		CAS: 7440-47-3		SARA 313 Reportable: No
OSHA PEL:	OSHA STEL:		OSHA CEILING:	
ACGIH TLV: 0.5 NA	ACGIH STEL:		ACGIH CEILING:	

Iron		CAS: 000		SARA 313 Reportable: No
OSHA PEL: 10	OSHA STEL:		OSHA CEILING:	
ACGIH TLV:	ACGIH STEL:		ACGIH CEILING:	

Manganese		CAS: #07439-96-5		SARA 313 Reportable: No
OSHA PEL:	OSHA STEL:		OSHA CEILING:	
ACGIH TLV: 1 mg/m3	ACGIH STEL:		ACGIH CEILING:	

Molybdenum		CAS: 7439-98-7		SARA 313 Reportable: No
OSHA PEL:	OSHA STEL:		OSHA CEILING:	
ACGIH TLV:	ACGIH STEL:		ACGIH CEILING:	

Nickel		CAS: #07440-02-0		SARA 313 Reportable: No
OSHA PEL:	OSHA STEL:		OSHA CEILING:	
ACGIH TLV: 1 mg/m3	ACGIH STEL:		ACGIH CEILING:	

Phosphorus		CAS: 7723-14-0		SARA 313 Reportable: No
OSHA PEL:	OSHA STEL:		OSHA CEILING:	
ACGIH TLV: 0.1 Phosp	ACGIH STEL:		ACGIH CEILING:	

Silicon		CAS: 7440-21-3-		SARA 313 Reportable: No
OSHA PEL:	OSHA STEL:		OSHA CEILING:	
ACGIH TLV:	ACGIH STEL:		ACGIH CEILING:	

Sulfur		CAS: 7404-34-9		SARA 313 Reportable: No
OSHA PEL:	OSHA STEL:		OSHA CEILING:	
ACGIH TLV: NA NA	ACGIH STEL:		ACGIH CEILING:	

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Section 3: Hazards Identification

Emergency Overview:

Routes of Entry:

Potential Health Effects

Eyes: METAL PARTICLES IN EYES MAY CAUSE IRRITATION IF NOT REMOVED

Skin:

Ingestion:

Inhalation:

Chronic Health Hazards:

Conditions Aggravated by Exposure:

Carcinogenicity OSHA: No ACGIH: No NTP: No IARC: No Other:

Section 3 Notes:

Section 4: First Aid Measures

Eyes: FLUSH WITH LARGE AMOUNTS OF WATER

Skin: IF DUST OR MIST GETS ON THE SKIN, WASH THE CONTAMINATED SKIN WITH SOAP AND WATER.
REMOVE CLOTHING AND LAUNDER BEFORE USING AGAIN.

Ingestion:

Inhalation:

Notes to First Aid Providers:

Section 4 Notes:

Section 5: Fire-Fighting Measures

Flammable Limits in Air: Upper: Lower: Method Used:

Flash Point: F C

Auto-ignition Temperature: F C

NFPA Hazard Classification Health: Flammability: Reactivity: Other:

HMIS Hazard Classification Health: Flammability: Reactivity: Other:

Extinguishing Media:

Special Fire-Fighting Procedures:

Unusual Fire and Explosion Hazards:

Hazardous Decomposition Products:

Section 5 Notes:

Section 6: Accidental Release Measures

Accidental Release Measures: Material in solid form.

Section 7: Handling and Storage

Handling and Storage:

Section 8: Exposure Control/Personal Protection

Engineering Controls:

Ventilation: Local Exhaust: X

Respiratory Protection:

Eye Protection: Welding or Grinding.

Skin Protection: Optional.

Other Protective Clothing or Equipment:

Work Hygienic Practices:

Exposure Guidelines:

Section 8 Notes:

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Section 9: Physical and Chemical Properties

Appearance:

Physical State:

Odor:

Vapor Pressure (mmHg): @ F C

Vapor Density (Air=1): @ F C

Specific Gravity (H2O=1):

Evaporation Rate:

Basis:

Percent Solids by Weight: Percent Volatile by Weight:

Volatile Organic Compounds (VOC):

Section 9 Notes:

pH as Supplied:

pH at Dilution

Boiling Point: F C

Melting Point: F C

Freezing Point: F C

Viscosity: @ F C

Molecular Weight:

Solubility in Water:

by Volume: @ F C

Section 10: Stability and Reactivity

Stable: 1 Hazardous Polymerization 2

Conditions to Avoid:

Hazardous Polymerization:

Incompatibilities:

Hazardous Decomposition:

Section 10 Notes:

Section 11: Toxicological Information

Toxicological Information: Ingredients:

Iron: >91%	10mg/m3 OSHA PEL:	5mg/m3 ACGIH-TLV
Manganese: <0.6%	6mg/m3 OSHA PEL:	6mg/m3 ACGIH-TLV
Nickel: <0.1%	1mg/m3 OSHA PEL:	1mg/m3 ACGIH-TLV
Chromium: <0.2%	1mg/m3 OSHA PEL:	0.5mg/m3 ACGIH-TLV
Carbon: <4%	15mg/m3 OSHA PEL:	10mg/m3 ACGIH-TLV
Phosphorus: <0	0.1mg/m3 OSHA PEL:	0.1mg/m3 ACGIH-TLV
Sulfur: <0.1%	5 PPM OSHA PEL:	2 PPM ACGIH-TLV
Silicon: <3%	15mg/m3 OSHA PEL:	10mg/m3 ACGIH-TLV
Molybdenum: <0.1	15mg/m3 OSHA PEL:	10mg/m3 ACGIH-TLV

Section 12: Ecological Information

Ecological Information:

Section 13: Disposal Considerations

Waste Disposal Method: Dispose of in accordance with appropriate Federal, State and Local Regulations.

RCRA Hazard Class:

Section 13 Notes:

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Section 14: Transport Information

Proper Shipping Name:

Shipping Instructions:

Shipping Hazards:

Labels:

Other Agencies:

Section 14 Notes:

UN/NA Type:

UN/NA Number:

U.S. D.O.T. ID Number:

Packing Group:

Section 15: Regulatory Information

T.S.C.A.

C.E.R.C.L.A.

U.S. Federal:

State:

International:

SARA 311/312

Fire: No

Pressure: No

Reactivity: No

Delayed: No

Immediate: No

Section 15 Notes:

Section 16: Other Information

Preparation Information:

Label Statement:

Disclaimer:

Section 16 Notes: