

WHEATLAND TUBE COMPANY

Wheatland, PA 16161
Main Plant (724) 342-6851

Dear Customer:

Enclosed is a Wheatland Tube Company Material Safety Data Sheet for the pipe products that you purchase. It is the continuing policy of Wheatland Tube Company to provide to our customers, health, safety and environmental protection information that is appropriate for handling and utilizing our products.

These Material Safety Data Sheets contain information that is valuable to your employee health and safety program and may be required to be in your possession by the Federal OSHA Hazard Communication Standard or other right-to-know legislation. It is important that your facility hazard communication coordinator, industrial hygiene or safety personnel receives this information so that it can be communicated to those employees having contact with these products.

A revised Material Safety Data Sheet will be forwarded to you when significant changes of the information contained therein necessitate publication of an updated copy.

Addendum 2 lists the most commonly used rust preventative or protective coatings that are applied to products requiring such treatment, if a coating is not specified by you. This addendum is available upon request. This addendum lists the coatings which are applied and the manufacturer's identification and address. This information will be provided to enable you to obtain a Material Safety Data Sheet directly from the manufacturer or supplier for the rust preventative or coating that is applied to the product that you purchase. Material Safety Data Sheets for specified coatings should also be requested from the manufacturer or supplier of the coating. This procedure will make it possible for the manufacturer or supplier to send copies of Material Safety Data Sheets directly to you, as a user of that product, when revised MSDS'S are produced.

Also contained in the package is a label that can be reproduced or the information contained therein extracted for label-producing purposes.

Hazard Communication Programs are of the utmost importance to Wheatland Tube Company. We believe this information will be very beneficial to your Hazard Communication Program and we welcome any inquiries regarding additional information that you may require.

GREG MAURER
DIVISION MANAGER TECHNICAL SERVICES AND QUALITY ASSURANCE
Direct Line (724) 342 6851 x 1250
Fax (724) 346 7158

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Original Issue Date: 11/01/85

MSDS #268

Revision Date:	06/05/90 #2	02/05/99 #5	09/26/03 #8	12/19/05 #11
	08/24/92 #3	06/28/99 #6	04/13/05 #9	10/05/07 #12
	06/15/95 #4	11/08/01 #7	09/21/05 #10	

EMERGENCY TELEPHONE NUMBER - Main Plant (724) 342-6851
CONTACT: Gregory L. Maurer (724) 342-6851 ext. 1250

I. IDENTIFICATION

PRODUCT NAME: CBW Pipe-ERW Pipe-Carbon Steel, ASTM STANDARD A 53, A 135, A 501, A 513, A 589, A 733, A 795, A 618, A 865, F1043, F1083, API STANDARD 5A, 5L, A106
UL STANDARD 6, 797, 1242, Wheatland Product MLT, MEGA-FLOW, MEGA-THREAD, WLS, WST, GC, WT-40, WT-30, WT-20

COMMON NAMES: Standard Pipe, Schedule 40, Fence Pipe, Mechanical Tubing and Pipe, Schedule 10, Plumbing Pipe, Sprinkler Pipe, Water Pipe, Line Pipe, Gas Pipe, Steam Pipe, Extra Heavy Pipe, Schedule 80, R & D, Rigid Conduit, EMT, IMC, Couplings, Fittings, Nipples and Coupling Stock.

CAS NO. 65997-19-5
1 Council Avenue
Wheatland, PA 16161

Manufacturer: Wheatland Tube Company
4435 South Western Blvd
Chicago, IL 60609

8200 Frazier-Pike Road
Little Rock, AR 72206

200 Clark Street
Sharon, PA 16146

901 Dietz Road
Warren, Ohio 44438

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II. INGREDIENTS AND RECOMMENDED OCCUPATIONAL EXPOSURE LIMITS

Note: steel products under normal conditions do not present an inhalation, ingestion, or contact health hazard (see section VI).

BASE METAL, ALLOYING ELEMENTS AND METAL COATINGS	% WEIGHT	EXPOSURE LIMITS	
		OSHA PEL	ACGIH TLV
Base Metal: Iron (1309-37-1 as iron-oxide fume)	98-99	10 mg/M ³ for iron oxide fume	5 mg/M ³ for iron oxide fume
Alloying Elements:			
Carbon (7440-44-0)	0.02 - .25	15 mg/M ³ -total dust PNOR 5 mg/M ³ RF - PNOR	None Established
Manganese (7439-96-5)	0.15 - 1.40	(c) 5 mg/M ³	0.2 mg/M ³
Phosphorus (7723-14-0)	0.010 - .080	None for inorganic phosphates	None for inorganic phosphates
Sulfur as SO ₂ (7446-09-5)	0.005 - .120	13 mg/M ³	5.2 mg/M ³ 13 mg/M ³ (s)
Copper (7440-50-8)	< .15	1.0 mg/M ³ -dust, 0.1 mg/M ³ fume	1.0 mg/M ³ dust, 0.2 mg/M ³ - fume
Nickel (7440-02-0)	< .12	1.0 mg/M ³	0.2 mg/M ³ insoluble inorganic compounds
Chromium (7440-47-3)	< .12	1.0 mg/M ³	0.05 mg/M ³
Vanadium as V ₂ O ₅ (1314-62-1)	< .10	0.05 mg/M ³ - dust (c) 0.1 mg/M ³ - fume	(c) 0.05 mg/M ³ - dust, (c) 0.05 mg/M ³ - fume
Metallic Coating*			
Zinc (1314-13-2 as zinc oxide)	.070-6.0	15 mg/M ³ -total ZnO dust 5 mg/M ³ Respirable ZnO Dust & fume 5 mg/M ³	10 mg/M ³ -total ZnO dust 2 mg/M ³ Respirable ZnO Dust & fume (s) 10 mg/M ³

(c) denotes "ceiling limit" which is not to be exceeded at any time

(s) denotes Short Term Exposure Limit (STEL)

RF denotes Respirable Fraction

PNOR - Particulates Not Otherwise Regulated

Varnish coating may be used; See Addendum II

*Galvanized pipe only.

NOTE: All commercial metals contain small amounts of various elements in addition to those specified. These small quantities, frequently referred to as "trace" or "residual" elements, generally originate in the raw materials used.

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III. PHYSICAL DATA

MELTING POINT		Appearance and Odor:
Base Metal:	2750 F	Metallic Gray
Metallic Coating:	800-900F	No Odor

IV. FIRE AND EXPLOSION HAZARD DATA

Steel products in the solid state present no fire or explosion hazard and do not contribute to the combustion of other products.

V. REACTIVITY DATA

Stable under normal conditions of use, storage and transport. Will react with strong acid to liberate hydrogen. At temperatures above the melting point of the coating, galvanized pipe may liberate zinc fumes.

VI. HEALTH HAZARD DATA

HMIS CODE: H = 1, F = 0, R = 0

NOTE: Steel products under normal conditions do not present an inhalation, ingestion, or contact health hazard. However, operations such as burning, welding, sawing, brazing, grinding, and possibly machining, etc. which result in elevating the temperature of the product to or above its melting point or results in the generation of airborne particulate, may present health hazards.

EFFECTS OF OVEREXPOSURE

**MAJOR EXPOSURE HAZARD
INHALATION**

Chronic inhalation of high concentration of iron oxide fumes or dusts may lead to a benign pneumoconiosis. Inhalation of high concentrations of ferric oxide may possibly enhance the risk of lung cancer development in workers exposed to pulmonary carcinogens.

The inhalation of high concentrations of freshly formed oxide fumes and dusts of Manganese, Copper, Lead and/or Zinc in the respirable particle size range can cause an influenza-like illness termed metal fume fever. Typical symptoms last 12 to 48 hours and are characterized by metallic taste in the mouth, dryness and irritation in the throat, followed by weakness, muscle pain, fever and chills.

EMERGENCY AND FIRST AID PROCEDURES

For overexposure to airborne fumes and particulate, remove exposed person to fresh air. If breathing is difficult or has stopped, administer artificial respiration or oxygen as indicated. Seek medical attention promptly. Treat metal fume fever by bed rest and administer a pain and fever reducing medication. Seek medical attention.

VII. SPILL OR LEAK PROCEDURES

NOT APPLICABLE TO STEEL IN THE SOLID STATE.

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VII. SPECIAL PROTECTION INFORMATION

RESPIRATORY

NIOSH/MSHA-approved dust and fume respirators should be used to avoid excessive inhalation of particulate. Appropriate respirator selection depends on the magnitude of exposure.

SKIN:

Protective gloves should be worn as required for welding, burning, or handling operations.

EYE:

Use safety glasses or goggles as required for welding, burning, sawing, brazing, grinding, or machining operations.

VENTILATION:

Local exhaust ventilation should be provided when welding, burning, sawing, brazing, grinding, or machining to prevent excessive dust or fume exposure.

OTHER PROTECTIVE EQUIPMENT:

Depending upon the conditions of use and specific work situations, additional protective equipment and/or clothing may be required to control exposures.

IX. SPECIAL PRECAUTIONS

Operations with the potential for generating high concentrations of airborne particulate should be evaluated and controlled as necessary. Avoid breathing metal fumes and/or dusts.

OTHER COMMENTS:

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: individuals with chronic respiratory disorders (i.e.: asthma, chronic bronchitis, emphysema, etc.) may be adversely affected by any fume or airborne particulate matter exposure.

This information is taken from sources or based upon data believed to be reliable; however, Wheatland Tube Company makes no warranty as to the absolute correctness or sufficiency of any of the foregoing or that additional or other measures may not be required under particular conditions.

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ADDENDUM 1

In compliance with U.S. Environmental Protection Agency regulations that became effective on January 1, 1989, this addendum is to inform you that the products covered by our Material Safety Data Sheet #268 contains one or more of the below listed chemicals that are subject to reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372.

Manganese Zinc Nickel

Refer to Addendum 2 of the Material Safety Data Sheet for the CAS numbers and percent by weight for each of the chemicals listed.

Addendum 2 lists the most commonly used rust preventative or protective coatings that are applied to products requiring such treatment, if a coating is not specified by you. This addendum is available upon request from:

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The above referenced law requires certain manufacturers to report annual emissions of specified toxic chemicals and chemical categories. If you are unsure if you must report or, if you require more information, call the EPA Emergency Planning and Community Right-To-Know Hotline (800)535-0202 or (202)479-2449 (in Washington, DC or Alaska).