

# MATERIAL SAFETY DATA SHEET

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Supersedes: Any Previous M.S.D.S. On This Product

EMERGENCY TELEPHONE NUMBER: CHEM-TEL INC. 1-800-255-3924

## I. IDENTIFICATION

**PRODUCT NAME:** Ductmate PVC Coated Products

**PRODUCT CLASS:** Vinyl Organosol

DUCTMATE INDUSTRIES INC.

210 5<sup>th</sup> St.

Charleroi, PA 15022

## II. HAZARDOUS INGREDIENTS

<u>MATERIAL:</u>	<u>%WT</u>	<u>CAS. NO.</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Base Metal	Balance	7439-89-6	10(1) Iron Oxide Fumes	5(1) Iron Oxide Fumes
<b>Alloying elements:</b>				
Carbon	1(1)	7740-44-0	None	None
Manganese	2(2)	7439-96-5	5(1)	5(1)
Phosphorus	1(2)	7723-14-0	None for Inorganic phosphates	None for Inorganic phosphates
Sulfur	1(2)	7704-34-9	13(1)	5(1)
Aluminum	1(2)	7429-90-5	None	10(1)
Copper	1(2)	7440-50-8	.1(1) as fume	.2(1) as fume
Zinc	1(2)	1314-13-2	5(1) as fume	5(1) as fume
Titanium Dioxide		13463-67-7		
Antimony Oxide		1309-64-4		
Polyvinyl Chloride		9002-86-2		

(1) All values, unless otherwise specified, refer to an 8-hour time weight average, concentrations and units are in mg/M3.

(2) Less than the percent indicated.

## III. PHYSICAL DATA

**APPEARANCE:** Silver Gray Metallic

**MELTING POINT:** Base Metal: 2600°F.

Metallic Coating: Not Applicable

**ODOR:** Odorless

## IV. HEALTH HAZARD DATA

*Note:* Steel products under conditions do not present an inhalation, congestion, or contact hazard.

Operations such as burning, welding, brazing, grinding, and possibly machining, etc., which may

result in elevating temperature of the product to or above its melting point, or result in the

generation of airborne particles may present a health hazard.

### Effects of Overexposure

The major exposure hazard to be considered is that of inhalation. Chronic inhalation of high

concentration of iron oxide fumes or dust may lead to a benign pneumoconiosis (siderosis).

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 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 of the throat followed by weakness, muscle pain,

fever and chills.

## V. EMERGENCY AND FIRST AID

For overexposure to airborne fumes and particulates, 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.

## **VI. FIRE AND EXPLOSION HAZARD DATA**

Steel products in the solid state do not present a fire or explosion hazard.

## **VII. SPILL OR LEAK PROCEDURES**

*Spill or Release:* Not applicable to bare or coated steel in solid state.

*Waste Disposal Method:* Product can be recycled for further use. Dispose in a permitted waste landfill, or by any other method that is in compliance with local, state, or federal laws.

## **VIII. SPECIAL PROTECTION**

**VENTILATION:** Local exhaust to maintain vapor concentration below threshold limit value.

**RESPIRATORY PROTECTION:** Ventilate working spaces to below threshold limit value. If local exhaust not available, use Bureau of Mines approved respiratory device. (See Bureau Of Mines I.C. 8436, supt. of documents)

**EYE PROTECTION:** Protective goggles or mask required to protect against splash.

**PROTECTIVE GLOVES:** Required for repeated or prolonged contact.

## **X. REACTIVITY DATA**

Stable under normal conditions of use, storage, and transportation. Will react with a strong acid to liberate hydrogen. When temperatures are elevated above the melting point, fumes containing oxides, alloying elements, and hydrocarbons may be liberated.

## **XI. SPECIAL PRECAUTIONS**

Store below 120° F.

Avoid exposure to vapors. Ground container while pouring. Minimize distance of free fall to avoid static electricity generation.

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