

<b>1. PRODUCT AND COMPANY IDENTIFICATION</b>
--

**PRODUCT NAME :** Steel Siding and Accessories; Fluoropolymers coating**PRODUCT NUMBER :** P6747**SUPPLIER :** 0805701Gentek Building Products  
11 Cragwood Road  
Avenel, NJ 07001Gentek Building Products  
3773 State Road  
Cuyahoga Falls, OH 44223

Business tel. : 732-381-0900

Fax : 732-827-2320

Business tel. : 330-929-1811

Fax : 330-922-2296

**APPEARANCE AND ODOR :** Painted steel panels and trims**USES :** Building products

<b>2. COMPOSITION / INFORMATION ON INGREDIENTS</b>
--

NAME	CAS #	LD <sub>50</sub>	LC <sub>50</sub>	EC DIRECTIVE		CONC.
				Symbol	R phrases	
<b>Base metal :</b>						
Iron	7439-89-6	Unknown	Unknown	None	None	86-99 %
<b>Alloying elements :</b>						
Manganese	7439-96-5	9000 mg/kg (oral-rat)	Unknown	None	None	< 2 %
Carbon	7440-44-0	Unknown	Unknown	None	None	< 2 %
Vanadium	7440-62-2	59 mg/kg (s-cut.-rabbit)	Unknown	None	None	< 0.2 %
Aluminum	7429-90-5	Unknown	Unknown	None	None	< 0.1 %
Sulfur	7704-34-9	Unknown	Unknown	None	None	< 0.1 %
Phosphorus	7723-14-0	Unknown	Unknown	None	None	< 0.2 %
Lead	7439-92-1	Unknown	Unknown	Not classified		< 0.2%
Titanium	7440-32-6	Unknown	Unknown	None	None	< 0.3%
<b>Metallic coating</b>						
Zinc	7440-66-6	Unknown	Unknown	None	None	8-10%
<b>Fluoropolymers coating</b>						
Polyvinylidene fluoride	24937-79-9	Unknown	Unknown	None	None	4%

<b>3. HAZARDS IDENTIFICATION</b>
----------------------------------

Not hazardous. Releases toxic gases during welding.

<b>4. FIRST AID MEASURES</b>
------------------------------

In case of dust exposure:

**Inhalation :** In case of discomfort, remove to a ventilated area. Consult a physician.**Skin contact :** Not applicable.**Eye contact :** Flush eyes thoroughly with water, taking care to rinse under eyelids. If irritation persists, continue flushing for 15 minutes, rinsing from time to time under eyelids. If discomfort continues, consult a physician.**Ingestion :** Not applicable.

## 5. FIRE-FIGHTING MEASURES

**EXTINGUISHING MEDIA :** Remove source of flame. In case of fire, wear self-contained breathing apparatus and fire-resistant clothing.

**HAZARDOUS COMBUSTION PRODUCTS :** Emits fluoride fumes and hydrogen fluoride (a toxic and corrosive gas) if strongly heated.

## 6. ACCIDENTAL RELEASE MEASURES

Recycle if possible.

## 7. HANDLING AND STORAGE

**HANDLING PRECAUTIONS :** Follow the recommendations in ANSI Z49.1, Safety in welding and cutting. (ANSI: American National Standard Institute)

**STORAGE CONDITIONS :** Not applicable.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Provide general and local ventilation to maintain concentrations of air contaminants below recommended standards.

Use an approved respirator designed for the hazard, where concentrations exceed exposure limits. Wear goggles, as necessary.

Wear welder's gloves, helmet, tinted visor and any other protective equipment (arm protectors, aprons) when welding this material.

**EXPOSURE LIMITS :**

(ACGIH=American Conference of Governmental Industrial Hygienists; TLV=Threshold Limit Value; OSHA=Occupational Safety and Health Administration [USA]; PEL=Permissible Exposure Limit; TWA=Time-Weighted Average; STEL=Short Term Exposure Limit; Ceiling=Ceiling value)

	ACGIH (TLV)		OSHA (PEL)	
	TWA	STEL	TWA	Ceiling
Iron oxide, fume	5 mg/m <sup>3</sup>	None	10 mg/m <sup>3</sup>	None
dust	None	None	10 mg/m <sup>3</sup>	None
Manganese (dust)	5 mg/m <sup>3</sup>	None	5 mg/m <sup>3</sup>	5 mg/m <sup>3</sup> -ceil
(fumes)	1 mg/m <sup>3</sup>	3 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>
Carbon (as nuisance particulates - tot.)	10 mg/m <sup>3</sup>	None	15 mg/m <sup>3</sup>	None
Lead inorg. dust & fumes	0.15 mg/m <sup>3</sup>	None	0.05 mg/m <sup>3</sup>	None
Phosphorus	0.1 mg/m <sup>3</sup>	None	0.1 mg/m <sup>3</sup>	None
Vanadium (V <sub>2</sub> O <sub>5</sub> ) - respirable dust	0.05 mg/m <sup>3</sup>	None	0.5 mg/m <sup>3</sup>	0.5 mg/m <sup>3</sup>
fume (as V <sub>2</sub> O <sub>5</sub> )	0.05 mg/m <sup>3</sup>	None	0.1 mg/m <sup>3</sup>	0.1 mg/m <sup>3</sup>
Polyvinylidene fluoride	None	None	None	None
Zinc oxide fume	5 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>	None
Tot. dust	10 mg/m <sup>3</sup>	None	15 mg/m <sup>3</sup>	None

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**pH** : Not applicable.  
**boiling point** : Not applicable.  
**melting point** : > 1200 C  
**vapor pressure** : Not applicable.  
**vapor density (air=1)** : Not applicable.  
**evaporation rate** : Not applicable.  
**relative density (water=1)** : 7-8  
**water solubility** : Not applicable.  
**odor threshold** : Not applicable.

**flashpoint** : Not applicable.  
**autoignition temperature** : 315 C  
**lower flammable limit** : Not applicable.  
**higher flammable limit** : Not applicable.  
**explosive properties** : Not applicable.  
**NFPA fire code** : 0  
**oxidizing properties** : Not applicable.  
**partition coefficient (n-octanol/water)** : Not applicable.

### 10. STABILITY AND REACTIVITY

**STABLE (yes/no)** : Yes

**CONDITIONS AND MATERIAL TO AVOID** : Strong acids.

**HAZARDOUS DECOMPOSITION PRODUCTS** : Metallic dust or fumes may be produced during welding, burning, grinding and machining. Reaction with evolution of hydrogen: on contact with acids. Releases toxic gases during welding.

### 11. TOXICOLOGICAL INFORMATION

**ROUTES OF EXPOSURE** :      **inhalation** : Yes                      **ingestion** : No  
    **eye contact** : No                      **skin contact** : No                      **skin absorption** : No

**ACUTE EFFECTS** :

**Inhalation** : May cause irritation through mechanical abrasion.  
**Skin contact** : Not applicable.  
**Eye contact** : May cause irritation through mechanical abrasion.  
**Ingestion** : Not applicable.

**CHRONIC EFFECTS** :

**Medical conditions aggravated by exposure to the product** : Not applicable.

**Carcinogenicity / Mutagenicity / Reproductive toxicity** : Does not contain any carcinogens or potential carcinogens (IARC, NTP, OSHA). (IARC=International Agency for Research on Cancer; NTP=National Toxicology Program [USA]; OSHA=Occupational Safety and Health Administration [USA])

### 12. ECOLOGICAL INFORMATION

No information available

### 13. DISPOSAL CONSIDERATIONS

Recycle if possible. Dispose of waste in accordance with federal, state, or local regulations.

**14. TRANSPORT INFORMATION**

This product is not classified as dangerous under the Transport Regulations, for road, rail, sea or air transport (no UN number).

**15. REGULATORY INFORMATION**

**WHMIS CLASSIFICATION (Canada) :** Not controlled

**EEC CLASSIFICATION (Europe) :** Not classified

**Warning symbol :** None

**Warning word :** None

**Risk phrases :** None

**Safety phrases :** None

**USA REGULATIONS:**Section 313 Supplier Notification

This product may contain the following toxic chemical(s) subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (Title III of SARA) and of 40 CFR 372. (This information must be included in all MSDSs that are copied and distributed for this material).

<b>Chemical Name</b>	<b>CAS #</b>
Manganese	7439-96-5
Lead	7439-92-1
Zinc	7440-66-6

**16. OTHER INFORMATION****Abbreviations :**

CAS #=Chemical Abstracts Service Registry Number; EC=European Community

LD<sub>50</sub>=Lethal dose 50%; LC<sub>50</sub>=Lethal concentration 50%; LCL<sub>0</sub>=lowest published lethal concentration

**\* Although the information in this MSDS was obtained from sources which we believe to be reliable, it cannot be guaranteed. In addition, this information may be used in a manner beyond our knowledge or control. The information is therefore provided for advice purposes only, without any representation or warranty express or implied. \***

Prepared by: Gentek Building Products  
Mr. William E. Vallier

Tel: 732-827-2338

Fax: 732-827-2320

**Date of the previous revision :** Oct. 2, 1995

**Reason for modification :** Modification in section 15 "Regulatory Information : Section 313 - Supplier Notification"