

1. PRODUCT AND COMPANY IDENTIFICATION
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PRODUCT NAME : Steel Siding, Soffit and Accessories; Plastisol coating

PRODUCT NUMBER : P6746

SUPPLIER : 0805701

Gentek Building Products
11 Cragwood Road
Avenel, NJ 07001

Gentek 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

2. COMPOSITION / INFORMATION ON INGREDIENTS
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NAME	CAS #	LD ₅₀	LC ₅₀	EC DIRECTIVE		CONC.
				Symbol	R phrases	
Base metal :						
Iron	7439-89-6	Unknown	Unknown	None	None	86-99 %
Alloying elements :						
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%
Metallic coating						
Zinc	7440-66-6	Unknown	Unknown	None	None	8-10%
Plastisol coating						
Polyvinyl chloride	9002-86-2	Unknown	Unknown	None	None	5%

3. HAZARDS IDENTIFICATION

Not hazardous. Releases toxic gases during welding.

4. FIRST AID MEASURES

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 : If heated to decomposition, emits corrosive (hydrochloric acid, phosgene) and toxic carbon products.

6. ACCIDENTAL RELEASE MEASURES

Not applicable.

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 dust	5 mg/m ³ None	None None	10 mg/m ³ 10 mg/m ³	None None
Manganese (dust) (fumes)	5 mg/m ³ 1 mg/m ³	None 3 mg/m ³	5 mg/m ³ 5 mg/m ³	5 mg/m ³ -ceil 5 mg/m ³
Carbon (as nuisance particulates - tot.)	10 mg/m ³	None	15 mg/m ³	None
Lead inorg. dust & fumes	0.15 mg/m ³	None	0.05 mg/m ³	None
Phosphorus	0.1 mg/m ³	None	0.1 mg/m ³	None
Vanadium (V ₂ O ₅) - respirable dust	0.05 mg/m ³	None	0.5 mg/m ³	0.5 mg/m ³
fume (as V ₂ O ₅)	0.05 mg/m ³	None	0.1 mg/m ³	0.1 mg/m ³
Polyvinyl chloride	None	None	None	None
Zinc oxide fume	5 mg/m ³	10 mg/m ³	5 mg/m ³	None
Tot. dust	10 mg/m ³	None	15 mg/m ³	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 :

Epidemiological studies have confirmed that exposure to PVC dust increase pulmonary function disorders of both the restrictive and obstructive type.

Medical conditions aggravated by exposure to the product : Respiratory diseases (at high exposure level of dusts).

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).

Chemical Name	CAS #
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

LD₅₀=Lethal dose 50%; LC₅₀=Lethal concentration 50%; LCL₀=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

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