

MATERIAL SAFETY DATA SHEET

PRODUCTION IDENTIFICATION

Manufacturer's Name: ThermaSteel Inc. CAS Number: 9003-53-6
MSDS Code: 52586

Address: 609 West Rock Road
Radford, VA 24141

Telephone: 1-540-633-5000

Trade Name: ThermaSteel Inc. Panel *

Synonyms: None

II INGREDIENTS

COMPONENT NAME / CAS NUMBER	COMPONENT	UNITS
EXPOSURE LIMITS		
POLYSTYRENE / 9003-53-6	OSHA PEL ACGIH TLV	N/A
PENTANE / 109-66-0	OSHA PEL	2950 MG/M3
PENTANE / 109-66-0	ACGIH TLV	1800 MG/M3

STRUCTURAL STEEL / ASTM A-653 SS, Grade and coated with ASTM A924 G60
galvanizing/galvalume.

NOTE: Under Section 5 of the OSHA Hazardous Communication Standard (29CFR1910.1200) the ThermaSteel Inc. Panel is defined as an article which is formed to a specific shape or design during manufacture and is exempt.

BY: SAFETY OFFICER EFFECTIVE DATE: MAY 1986
THERMASTEEL Inc.

DISCLAIMER OF WARRANTY:

THE INFORMATION CONTAINED HEREIN IS BASED UPON DATA AVAILABLE TO US AND REFLECTS OUR BEST PROFESSIONAL JUDGEMENT. HOWEVER, NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY USE, OR ANY OTHER WARRANTY IS EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF SUCH DATA, THE RESULTS TO BE OBTAINED FROM THE USE THEREOF, OR THAT ANY SUCH USE DOES NOT INFRINGE ANY PATENT, SINCE THE INFORMATION CONTAINED HEREIN MAY BE APPLIED UNDER CONDITIONS OF USE BEYOND OUR CONTROL AND WITH WHICH WE MAY BE UNFAMILIAR, WE DO NOT ASSUME ANY RESPONSIBILITY FOR THE RESULTS OF SUCH APPLICATION. THIS INFORMATION IS FURNISHED UPON THE CONDITION THAT THE PERSON RECEIVING IT SHALL MAKE HIS OWN DETERMINATION OF THE SUITABILITY OF THE MATERIAL FOR HIS PARTICULAR PURPOSE.

III HEALTH EFFECT INFORMATION

EYE CONTACT	NOT EXPECTED TO PRESENT AN EYE CONTACT HAZARD UNDER ANTICIPATED CONDITIONS OF NORMAL USE
SKIN CONTACT	NOT EXPECTED TO PRESENT A SKIN CONTACT HAZARD UNDER ANTICIPATED CONDITIONS OF NORMAL USE
INHALATION	NOT EXPECTED TO PRESENT AN INHALATION CONTACT HAZARD UNDER ANTICIPATED CONDITIONS OF NORMAL USE
INGESTION	NOT EXPECTED TO PRESENT AN INGESTION CONTACT HAZARD ANTICIPATED CONDITIONS OF NORMAL USE
HEALTH DATA	NO ADDITIONAL MEDICAL INFORMATION FOUND

IV EMERGENCY & FIRST AID PROCEDURES

EYE CONTACT	RESIDUAL PENTANE CAUSE IRRITATION IF EYE CONTACT MADE WITH THIS MATERIAL. IMMEDIATELY RINSE WITH CLEAN WATER FOR 20-30 MINUTES. RETRACT EYELIDS OFTEN. OBTAIN EMERGENCY MEDICAL ATTENTION IF PAIN, BLINKING, TEARS OR REDNESS PERSIST.
SKIN CONTACT	NOT EXPECTED TO PRESENT A SKIN HAZARD UNDER ANTICIPATED CONDITIONS OF NORMAL USE
INHALATION	NOT EXPECTED TO PRESENT AN INHALATION HAZARD UNDER ANTICIPATED CONDITIONS OF NORMAL USE
INGESTION	NOT EXPECTED TO PRESENT AN INGESTIONS HAZARD UNDER ANTICIPATED CONDITIONS OF NORMAL USE

V PERSONAL HEALTH PROTECTION INFORMATION

EYE PROTECTION	NO EYE PROTECTION NECESSARY UNDER ANTICIPATED CONDITIONS OF NORMAL USE
SKIN PROTECTION	NO SKIN PROTECTION NECESSARY UNDER ANTICIPATED CONDITIONS OF NORMAL USE
RESPIRATORY PROTECTION	IF EXPOSURE EXCEEDS THE PEL/TLV, USE NIOSH/MSHA APPROVED RESPIRATORY PROTECTION EQUIPMENT
VENTILATION	BOTH LOCAL EXHAUST AND GOOD GENERAL ROOM VENTILATION MUST BE PROVIDED

OTHER

VI FIRE PROTECTION INFORMATION

FLASH POINT	NOT DETERMINED	TEST METHOD
AUTOIGNITION TEMPERATURE	500°c	TEST METHOD
FLAMMABLE LIMITS IN AIR% BY VOL.	LOWER 1.5	UPPER 8.0
	Based on Pentane	
EXTINGUISHING MEDIA	DRY CHEMICAL CO ² WATER FOG	WATERSPRAY FOAM

**SPECIAL FIRE
FIGHTING
PROCEDURES**

DO NOT ENTER AREA WITHOUT PROTECTION. INCOMPLETE COMBUSTION MACHINE PRODUCE CARBON MONOXIDE AND CARBON DIOXIDE. PRODUCES DENSE BLACK SMOKE WHEN BURNING. OBSCURING VISION. FIREFIGHT FROM SAFE DISTANCE/PROTECTD AREA.

**UNUSUAL FIRE
AND EXPLOSIVE
CONDITIONS**

VERY FLAMMABLE. A RESIDUAL FLAMMABLE VAPOR MAY BE RELEASED DURING STORAGE, WHICH IS HEAVIER THAN AIR. WHEN MATERIAL IS HANDLED STATIC CHARGE MAY BE GENERATED WHICH CANNOT BE COMPLETELY DISSIPATED DUE TO INSULATING PROPERTY, CAUSING SPARK/IGNITION/EXPLOSION

VII REACTIVITY DATA

STABILITY (THERMAL LIGHT, ETC)

STABLE

CONDITIONS TO AVOID

HEAT, OPEN FLAME OXIDIZING CONDITIONS

HAZARDOUS POLYMERIZATION

NOT EXPECTED TO OCCUR

CONDITIONS TO AVOID**INCOMPATIBILITY MATERIALS TO AVOID** STRONG OXIDIZING AGENT**HAZARDOUS DECOMPOSITION PRODUCTS** INCOMPLETE COMBUSTION MAY PRODUCE CARBON MONOXIDE A CARBON DIOXIDE**VIII ENVIRONMENTAL PRECAUTIONS**

**STEPS TO BE TAKEN
IF MATERIAL IS
RELEASED OR SPILLED**

POLYSTYRENE IN NOT A RCRA REGULATED MATERIAL

**WASTE DISPOSAL
METHOD**

LANDFILL SOLIDS AT PERMITTED SITES. COMPLY WITH FEDERAL/STATE/LOCAL SOLID WASTE REGULATIONS. SOLIDS MAY ALSO BE BURNED. RECOMMEND CRUSHING OR OTHER MEANS TO PREVENT UNAUTHORIZED REUSE.

IX MISCELLANEOUS

**HANDLING AND
STORAGE
REQUIREMENTS**

STORE IN WELL VENTILATED AREAS. KEEP CLEAR OF ALL IGNITION SOURCES AS YOU WOULD FOR ANY OTHER COMBUSTIBLE MATERIAL

ADDITIONAL INFORMATION

SOME OF THE INFORMATION PRESENTED AND CONCLUSIONS DRAWN HEREIN ARE FORM SOURCES OTHER THAN DIRECT TEST DATA ON THE PRODUCT ITSELF

X PHYSICAL PROPERTIES

BOILING POINT	N/A
MELTING POINT	UNDEFINED
APPEARANCE	WHITE OR COLORED
ODOR	ODORLESS
VAPOR PRESSURE	
PERCENT VOLATILE	N/L
VAPOR DENSITY (AIR-1)	N/A
SOLUBILITY	SOLUBLE IN HYDROCARBONS
EVAPORATION RATE (EE-1)	N/A
SPECIFIC GRAVITY	.94
MOLECULAR WEIGHT	VARIES