

MATERIAL SAFETY DATA SHEET

Prime Panels, Incorporated

MSDS DATE: 11/14/2007

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME:

Panel: PVC Panel bonded to Extruded Polystyrene (XPS) Core

MANUFACTURER: **Prime Panels Incorporated**

DIVISION: Sales & Marketing

ADDRESS: 2651 Colt Road
Springfield, IL 62707

EMERGENCY PHONE: 1-800-424-9300 (CHEMTREC – USA)

CHEMTREC PHONE: 1-800-424-9300 (CHEMTREC – USA)

OTHER CALLS: (800) 990-3468 or (217) 789-7898

FAX PHONE: 217-789-7897

WEBSITE: www.primepanels.com

EMAIL: info@primepanels.com

CHEMICAL NAME: N/A

CHEMICAL FAMILY: N/A

CHEMICAL FORMULA: N/A

PRODUCT USE: Building panels for clean rooms, sanitary facilities, etc.

PREPARED BY: Prime Panels Technical Review

SECTION 1 NOTES: N/A = Not Applicable

PRODUCT IS CONSIDERED AN ARTICLE. OSHA HAZARD COMMUNICATION STANDARD DOES NOT APPLY.

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT/COMPONENT:

Material: Polyvinyl chloride resin (PVC); XPS; Structural adhesive

These panels consist of PVC panels laminated to an XPS core using structural adhesive

Exposure Limits:

OSHA TWA: N/A PEL (PVC compounds) = Total 15 mg/m³; Respirable 5 mg/m³ (mfr. recommendation for PVC dust) TWA

ACGIH TWA: N/A TLV (PVC compounds) = Total 10 mg/m³; Respirable 3 mg/m³ (mfr. recommendation for PVC dust) TWA

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: These products present no significant health problems, provided exposure limits for panel components are not exceeded in the workplace.

ROUTES OF ENTRY: Inhalation and eye contact (of dust and/or particulates); Skin contact (potentially sharp edges of panels); Ingestion (not a likely route of exposure).

POTENTIAL HEALTH EFFECTS

EYES, SKIN, INHALATION: Irritation, itching (dust, particulates)

INGESTION: Not a likely route of exposure

ACUTE HEALTH HAZARDS: Respiratory, eye and skin irritation

CHRONIC HEALTH HAZARDS: None known

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Respiratory conditions (i.e., asthma) may be aggravated by exposure to particulates, dust, etc.

CARCINOGENICITY

IARC: IARC has determined that there is inadequate evidence of carcinogenicity of a polyvinyl chloride (PVC) resin in both animals and humans. The overall evaluation of PVC is Group 3, meaning that it is not classifiable as a carcinogen (IARC Vol. 19, 1979).

OTHER: PVC is not listed as a carcinogen by OSHA, NIOSH, NTP, IARC or EPA.

SECTION 3 NOTES: Component manufacturer's Material Safety Data Sheets contain no OSHA, NTP, or IARC recognized carcinogens (see IARC, above).

MATERIAL SAFETY DATA SHEET

Prime Panels, Incorporated

MSDS DATE: 11/14/2007

SECTION 4: FIRST AID MEASURES

EYES: Rinse eyes with clean water. Seek medical attention if irritation persists.

SKIN: Rinse skin with water. Wash with soap and water. Seek medical attention if irritation persists.

INGESTION: Not a likely route of exposure

INHALATION: Remove to fresh air. Seek medical attention if irritation persists.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: Treat supportively and symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE LIMITS IN AIR, UPPER: N/A
(% BY VOLUME) **LOWER:** N/A

FLASH POINT: Lowest known (for adhesive in liquid form)
F: >199.9 F (Setaflash Closed Cup)

AUTOIGNITION TEMPERATURE: Typically 600 F or higher for PVC panels; 669 F minimum for XPS

NFPA HAZARD CLASSIFICATION

HEALTH: 1 **FLAMMABILITY:** 1 **REACTIVITY:** 0
OTHER: N/A

EXTINGUISHING MEDIA: Water, CO₂, dry chemicals

SPECIAL FIRE FIGHTING PROCEDURES: N/A

UNUSUAL FIRE AND EXPLOSION HAZARDS: Sawing, sanding or machining panels could result in production of dust, which may present an explosion hazard if a dust cloud contacts an ignition source. Use ventilation adequate to maintain dust levels below applicable exposure limits.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may produce hydrogen halides, aromatic compounds, aldehydes, ethylbenzene, polymer fragments, styrene, isocyanate monomers, soot, CO, CO₂, and other hazardous byproducts.

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: Sweep up dust from sawing, sanding, etc., and place in container for disposal.

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE: When large quantities of XPS materials are stored or fabricated, blowing agent may be released. Released blowing agents may thermally decompose to form gases which may accelerate corrosion or rust formation of heaters, boilers, gas fired recirculating furnaces or heaters, or gas water heaters. Flammable vapors may accumulate in some storage situations. In order to prevent this buildup, do not store large amounts of this product in unventilated spaces.

OTHER PRECAUTIONS: N/A

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: See below.

VENTILATION : Provide ventilation adequate to maintain dust levels below applicable exposure limits.

RESPIRATORY PROTECTION: Atmospheric levels should be maintained below the exposure guidelines. When respiratory protection is required for some operations, including but not limited to, saw, router or hot wire cutting, use an approved air-purifying respirator, including but not limited to organic vapor cartridge with a particulate pre-filter.

EYE PROTECTION: Work goggles, chemical goggles.

SKIN PROTECTION: Protective work gloves to protect hands from sharp panel edges.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

WORK HYGIENIC PRACTICES: Wash hands after handling panels before eating, smoking or using toilet facilities.

MATERIAL SAFETY DATA SHEET

Prime Panels, Incorporated

MSDS DATE: 11/14/2007

EXPOSURE GUIDELINES: N/A

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Building panels – various colors PHYSICAL STATE: Solid ODOR: N/A

MELTING POINT: XPS = 194 – 266 F

SPECIFIC GRAVITY (H₂O = 1): 1.25 – 1.55 (PVC)

SOLUBILITY IN WATER: N/A

PERCENT SOLIDS BY WEIGHT: 100 PERCENT VOLATILE: BY WT/ BY VOL: N/A

VOLATILE ORGANIC COMPOUNDS (VOC): 33 g/L (for liquid adhesive)

SECTION 10: STABILITY AND REACTIVITY

Stability: Product is stable

CONDITIONS TO AVOID (STABILITY): Avoid temperature extremes during storage. Store out of direct sunlight. Provide adequate ventilation for prolonged storage.

INCOMPATIBILITY (MATERIAL TO AVOID): Strong acids, strong bases, oxidizing materials

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: See Sect. 5

HAZARDOUS POLYMERIZATION: Will not occur

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: The toxicological properties of this product have not been fully tested.

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: N/A

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose of according to all applicable local, state and federal regulations

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION

NOTES: Not regulated as hazardous for transportation

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT): Component supplier's / manufacturer's MSDS's state all ingredients are TSCA compliant.

SECTION 16: OTHER INFORMATION

OTHER INFORMATION: Information is available concerning the components of these panels from the manufacturer.

PREPARATION INFORMATION: Prepared by Prime Panels Technical Review

DISCLAIMER: This Material Safety Data Sheet meets the information requirements of the Federal OSHA Hazard Communication Standard, 29 CFR 1910.1200 (g), and 40 CFR, part 372. The information in this MSDS was obtained from sources which we believe are reliable. However, the information is provided without any responsibility or warranty, expressed or implied, regarding the accuracy or correctness of that information. The conditions or methods of handling, storage, use and disposal of the product are beyond our knowledge. For this and other reasons, we do not assume responsibility, and expressly disclaim liability for loss, damage, or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.