

MAR-19-01 MON 11:46 AM GRAFIX..

FAX: 2165819041

PAGE 2

{ 9542-45 }  
63

MATERIAL SAFETY DATA SHEET

Rwd 03-19-01

SECTION I - PRODUCT INFORMATION

12950-1003  
- 1009

PRODUCT NAME:

Incredible Art Board

PRODUCT SYNONYM:

Light-Weight Foam Panel Laminated with Paper

PRODUCT DESCRIPTION:

Styrene foam sheet laminated with white, tan, black or other colored kraft process cellulose paper.

MANUFACTURER'S NAME AND ADDRESS:

Grafix, Inc.  
19499 Miles Road  
Cleveland, Ohio 44128

TECHNICAL CONTACT:

Jordan Katz  
Manager, Environment, Health & Safety

EMERGENCY TELEPHONE:

Chemtrec (800) 424-9300

SECTION II - HAZARDOUS COMPONENTS

COMPONENT (C.A.S. Number)	WEIGHT PERCENT (%)	OSHA PEL	ACGIH TLV
Formaldehyde (50-00-0)	<0.1	TWA 0.5 ppm (Action Level) TWA 0.75 ppm STEL 2.0 ppm	Ceiling 0.3 ppm

Additional Information:

Product contains condensed urea-formaldehyde based polymeric resin which is classified as a non-hazardous component when polymerized.

Nuisance dust may be generated during cutting or abrading operations. OSHA considers nuisance dust as Particulate Not Otherwise Regulated (PNOR) with an OSHA PEL of 15 mg/m<sup>3</sup> (total dust) and 5 mg/m<sup>3</sup> (respirable dust). ACGIH considers nuisance dust as Particulates Not Otherwise Classified (PNOC) with an ACGIH TLV of 10 mg/m<sup>3</sup> (inhalable particulate) and 3 mg/m<sup>3</sup> (respirable particulate).

4-3251

MAR-19-01 MON 11:46 AM

GRAFIX..

FAX:2:65819041

PAGE 3

## SECTION III - PHYSICAL PROPERTIES

APPEARANCE AND ODOR:

Rigid cellular plastic panel faced with resin-impregnated paper veneer.

MOLECULAR WEIGHT:

Not applicable to mixture.

SPECIFIC GRAVITY:

Specific gravity less than water.

SOLUBILITY IN WATER:

Not soluble in water.

pH:

Not applicable to solid product.

## SECTION IV - FIRE AND EXPLOSION DATA

FLASH POINT (DEGREES F < PENSKEY MARTINS CLOSED CUP):

Not applicable to solid product.

FIRE EXTINGUISHING MEDIA:

For small fires, use water spray, foam, carbon dioxide or dry chemical extinguishers. Larger fires should be extinguished immediately by drenching with water spray from fire hose.

FLAMMABLE LIMITS:

LOWER: None

UPPER: None

SPECIAL FIRE FIGHTING PROCEDURES:

Wear positive pressure self-contained breathing apparatus and protective turnout clothing when involved in fire fighting activities.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

The fire hazards associated with this product are comparable to those known to exist for normally combustible paper products. The formaldehyde constituent of this product should not increase the fire or explosive hazard nor alter fire fighting procedures. Similar to precautions for all paper products, do not smoke or use open flames, space heaters or other ignition sources near fabrication operations.

HAZARDOUS COMBUSTION PRODUCTS:

Hazardous decomposition may release toxic/hazardous gases.

## SECTION V - REACTIVITY DATA

STABILITY:

Stable.

CONDITIONS TO AVOID:

Heat and moisture can result in increased rate of formaldehyde off-gassing from the product.

INCOMPATIBILITY:

None known.

HAZARDOUS DECOMPOSITION PRODUCTS:

Hazardous decomposition may release toxic/hazardous gases.

HAZARDOUS POLYMERIZATION:

Hazardous polymerization is not expected to occur. Heat and moisture can result in increased rate of formaldehyde off-gassing from the product.

MAR-19-01 MON 11:47 AM

GRAFIX.

FAX: 2165819041

PAGE 4

**SECTION VI - HEALTH HAZARD INFORMATION****EXPOSURE FROM ROUTINE USE:**

Solid or dust can cause irritation to the eyes, nose, throat, lungs, and skin.

**EFFECTS OF OVEREXPOSURE:**

**SKIN AND EYE CONTACT:** Solid or dust may cause irritation or corneal injury due to mechanical action. Formaldehyde gas is an irritant and may cause tearing of the eyes at concentrations above 1 ppm. Effect is immediately reversible when exposure is terminated. Hypersensitive individuals may experience symptoms at concentrations lower than 1 ppm.

**INGESTION:** Ingestion is unlikely due to physical state.

**INHALATION:** Exposures of 1 ppm and above of free formaldehyde gas may cause upper respiratory tract irritation. Irritation is reversible when exposure is terminated.

Hypersensitive individuals may experience symptoms at concentrations below 1 ppm.

**PROBABLE ROUTES OF EXPOSURE:**

Skin, eyes, inhalation

**EMERGENCY FIRST AID PROCEDURES:**

**EYE CONTACT:** Flush eyes with plenty of water for dust in eyes. Remove affected individual to fresh air if eyes are irritated from chemical gas/vapor.

**SKIN CONTACT:** Wash off dust with water

**INHALATION:** Remove to fresh air if effects occur. Consult a physician.

**INGESTION:** No adverse effects anticipated by this route of exposure.

**SECTION VII - TOXICITY DATA**

**ORAL:** No tests have been performed.

**DERMAL:** No tests have been performed.

**INHALATION:** No tests have been performed.

**EYE:** No tests have been performed.

**CARCINOGENICITY:**

No tests have been conducted on the product, as a whole. Formaldehyde is classified by ACGIH as a suspected human carcinogen (Class A2) of the lung, nasopharynx, oropharynx and nasal passages when exposure limits are exceeded. EPA, OSHA and NIOSH consider formaldehyde as a probable human carcinogen. Young children and the elderly may be more at risk in the presence of formaldehyde emissions. Those persons with a history of allergies, asthma or lung problems may also be at a greater risk from formaldehyde emissions. Formaldehyde is known to the State of California to cause cancer, birth defects or other reproductive harm. NTP -- Class 2 carcinogen, IARC -- Class 2A.

**SECTION VIII - SPECIAL PROTECTION INFORMATION****WORK AND HYGIENE PRACTICES:**

Practice good personal hygiene when handling product. After contact with product, wash hands before eating, drinking or smoking. Do not eat, drink or smoke in areas where the product is being cut or sawn. Avoid blowing dust with compressed air.

**STORAGE AND HANDLING PRACTICES:**

Store in well-ventilated areas. Where dust is stored for disposal, keep in a cool area away from heat and ignition sources.