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Document # 135

MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT INFORMATION

PRODUCT NAME:  
Gatorfoam®

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:  
INTERNATIONAL PAPER  
Uniwood  
P.O. Box 1839  
Statesville, North Carolina 28687-1839  
(877) 424-9860 (Eastern Standard Time)

TECHNICAL CONTACT:  
Craig Roberson  
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/m3 (total dust) and 5 mg/m3 (respirable dust). ACGIH considers nuisance dust as Particulates Not Otherwise Classified (PNOC) with an ACGIH TLV of 10 mg/m3 (inhalable particulate) and 3 mg/m3 (respirable particulate).

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## 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 MARTIN'S 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.

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## 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.

## 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.

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RESPIRATORY PROTECTION:

Atmospheric levels should be maintained below the exposure guidelines. When respiratory protection is required for certain operations, use NIOSH-approved air-purifying or supplied air respirators. A full-face respirator may be needed for excessively sensitive individual to control upper respiratory tract irritation from formaldehyde gas.

EYE PROTECTION:

Use safety glasses. If there is a potential for exposure to particles which could cause mechanical injury to the eye, wear chemical goggles. A few excessively sensitive individuals may experience eye irritation, which may require use of a full-face piece respirator appropriate for controlling formaldehyde exposures.

HAND AND BODY PROTECTION:

No skin protection precautions, other than clean body-covering clothing, should be required.

**SECTION IX - SPILL, LEAK, AND DISPOSAL PROCEDURES**

IN CASE MATERIAL IS SPILLED OR RELEASED:

Do not use compressed air to remove dust. Vacuum or wet mop area.

**SECTION X - REGULATORY INFORMATION**

DOT. Not Regulated.

Additional Requirements for State of California: Warning: Decorative laminated products contain formaldehyde, a substance known to the State of California to cause cancer. Laminates contain small amounts of residual formaldehyde that may be released in measurable quantities when stored in bulk quantities.

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