

MATERIAL SAFETY DATA SHEET – 031

Cellular Polystyrene Moulding

1. PRODUCT AND COMPANY INFORMATION

Product Code: Not applicable
Product Name: Cellular Polystyrene Moulding
Brand Name: Cameo, Crystal White, Oak Trim, Americana, PinePlus, Ultra, Affinity, Canterbury, and Primed Moulding

Louisiana-Pacific, 805 SW Broadway, Portland, Oregon 97205
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2. COMPOSITION AND INGREDIENT INFORMATION

Component ⁽¹⁾	CAS #	Exposure Limits	Cancer Designation
Polystyrene	9003-53-6	PNOS ⁽²⁾	NA
High Impact Polystyrene	9003-55-8	PNOS ⁽²⁾	NA
Wax	Mixture	PNOS ⁽²⁾	NA
Gaseous Halocarbon Blowing Agent		NA	NA
Calcium Sulfate ⁽³⁾	7778-18-9	TLV-TWA = 10 mg/m ³	NA
Proprietary Ingredients		PNOS ⁽²⁾	NA

(1) These products may contain a small amount of colorant.

(2) PNOS: PEL-TWA = 15 mg/m³, total dust; PEL-TWA = 5 mg/m³, respirable fraction; TLV-TWA = 10 mg/m³ inhalable particulate, 3 mg/m³ respirable particulate.

(3) The calcium sulfate contains less than 5% crystalline silica.

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Contact with strong oxidizers may cause decomposition. Exposure to temperatures greater than 800 °F may cause a fire. Smoke may contain carbon monoxide, styrene, benzene, aldehydes, and other toxic materials. Airborne dust may explode when combined with an ignition source.

Potential Health Effects (based on expected use of product)

EYE: Dust may irritate the eyes.

SKIN: Dust may cause skin irritation.

INGESTION: Not known.

INHALATION: Dust can cause irritation to mucous membranes and the upper respiratory tract.

4. FIRST AID MEASURES

EYES: For dust exposure, immediately flush eyes with plenty of water for at least 15 minutes.

SKIN: Wash with soap and water. Get medical attention if irritation develops or persists.

INGESTION: Consult a physician.

INHALATION: Remove to fresh air, consult a physician.

NOTE TO PHYSICIANS: Exposure to dust may aggravate symptoms of persons with pre-existing respiratory tract conditions and may cause skin and gastrointestinal symptoms.

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5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES:

Flash point: Not applicable.

Combustible: Material may burn on contact with ignition sources.

FLAMMABLE LIMITS:

Lower flammable limit: Not applicable.

Upper flammable limit: Not applicable.

AUTOIGNITION TEMPERATURE: Typically 800° F.

EXPLOSION HAZARD: Airborne concentrations of combustible dust, when combined with an ignition source, can create an explosion hazard if the dust concentration exceeds 30 - 60 g/m³.

HAZARDOUS COMBUSTION PRODUCTS: Carbon dioxide, carbon monoxide, styrene, benzene, aldehydes, and other hazardous gases, vapors, and particles.

EXTINGUISHING MEDIA: The supplier of polystyrene recommends dry chemical, carbon dioxide, water spray halon or foam.

FIRE FIGHTING INSTRUCTIONS: Evacuate the area and notify the fire department. If possible isolate the fire by moving other combustible materials. If the fire is small, use a portable extinguisher. Dike and collect water used to fight fires. Fire fighters should wear normal protective equipment (full bunker gear) and positive-pressure self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Does not apply.

7. HANDLING AND STORAGE

HANDLING: Provide ventilation or other measures so that dust levels are below the exposure limits listed in Section 2.

STORAGE: Keep dust away from ignition sources and store in a closed container. Consult NFPA 68 and 70 for additional information.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Control airborne dust concentrations below the exposure limits. Use only with adequate ventilation.

RESPIRATORY PROTECTION: When respiratory protection is required, or dust concentrations are unknown, use a NIOSH/MSHA approved air-purifying respirator for dusts.

SKIN PROTECTION: Wear work gloves to prevent skin irritation.

EYE PROTECTION: Wear ANSI approved eye protection.

9. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT:	NA	DENSITY:	65 lb/ft ³
MELTING POINT:	NA	pH:	NA
VAPOR DENSITY:	NA	APPEARANCE:	Similar to prefinished wood moulding
SOLUBILITY IN WATER:	NA		

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: (CONDITIONS TO AVOID) Stable.

INCOMPATIBILITY: Keep away from high temperatures and strong oxidizers, such as concentrated nitric acid, oxygen, hydrogen peroxide, and chlorine.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, benzene, styrene, and other hydrocarbons.

HAZARDOUS POLYMERIZATION: Will not occur.

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11. TOXICOLOGICAL INFORMATION

The calcium sulfate, a minor ingredient, may contain a small amount of crystalline silica, which is associated with the lung disease silicosis and with lung cancer.

12. ECOLOGICAL INFORMATION

These products are not expected to pose an ecological hazard as a result of their intended uses.

13. DISPOSAL CONSIDERATIONS

Dispose of waste according to local, state/provincial, and federal requirements.

14. TRANSPORTATION INFORMATION - Hazardous Materials Table 172.101

Shipping Name	NA	Packing Group	NA
Hazard Class	NA	Placards/Labels	NA
Identification No.	NA	Special Provisions	NA

15. REGULATORY INFORMATION

OSHA: Hazard Communication	CFR 1910.1200 (b)(6)(iv)	CERCLA RQ:	NA
EPCRA EHS RQ Section 302:	NA	EPA CAA Section 112(r)	NA
EPCRA Section 313:	NA	International Fire Code	NA

16. OTHER INFORMATION

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ABBREVIATIONS:

ANSI	American National Standards Institute
BEI	Biological Exposure Indice
CAA	Clean Air Act
CAS	Chemical Abstract Services (identifies specific chemical)
CERCLA	Comprehensive Environmental Response Compensation and Liability Act
CFR	Code of Federal Regulations
Dust	A finely divided solid 0.017 in. or less in diameter that is capable of passing through a U.S. No. 40 standard sieve
EHS	Extremely Hazardous Substance
EPA	Environmental Protection Agency
EPCRA	Emergency Planning and Community Right-To-Know Act
g/m ³	Grams per cubic meter
mg/m ³	Milligrams per cubic meter
lb/ft ³	Pounds per cubic foot
MSHA	Mine Safety Health Act
NA	Not applicable
NFPA	National Fire Protection Association
NIOSH	National Institute of Occupational Safety and Health
OSHA	Occupational Safety and Health Administration
PNOS	Particle not otherwise specified
PEL	OSHA Permissible Exposure Limit
ppm	Parts per million
RTECS	Registry of Toxic Effects of Chemical Substances
RQ	Reportable Quantity
STEL	Short-Term Exposure Limit
TLV	Threshold Limit Value

Effective Date: 7/15/03
Replaces: All Previous

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TWA 8-hour time-weighted average exposure

BIBLIOGRAPHY:

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2. Registry of Toxic Effects of Chemical Substances, National Institute for Occupational Safety and Health, Q-1, 2003.
3. Dangerous Properties of Industrial Materials, Sax's, 1998 CD-Folio.
4. CESARS, Chempendium, Canadian Centre for Occupational Health and Safety, Q-1, 2003.
5. Integrated Risk Information System, EPA, on-line.
6. EPA Title III List of Lists.
7. Handbook of Fire Protection Engineering, 2nd Edition.
8. 49 CFR 172.101, Hazardous Materials Table, from Chempendium. Q1, 2003.
9. Documentation of the TLVs®, American Conference of Governmental Industrial Hygienists, 2002.
10. 10th Edition of the National Toxicology Program's Report on Carcinogens, 2002.
11. TLVs® and BEIs®, American Conference of Governmental Industrial Hygienists, 2003.

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Note: Louisiana-Pacific periodically updates and revises its product information. To verify this information, please call the number listed in Section 1.