



Safety Data Sheet

Section 1. Identification

GHS product identifier : Plastic Expansion Board

Other means of identification Ethylene-Propylene Copolymer Expansion Board, Corrugated PP sheets,

Relevant identified uses of the substance or mixture and uses advised against

Not available

Supplier's details : J P Specialties, Inc.
25811 Jefferson Avenue
Murrieta, CA 92562
Tel.: 1-800-821-3859
Fax: 1-951-763-7074
Website URL: www.jp-specialties.com

Emergency telephone number (with hours of operation) : 1-951-763-7077
(7am to 3:30pm PST)



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Section 2. Hazards Identification

This SDS should be retained and available for employees and other users of this product.

Classification of the substance or mixture

OSHA/HCS status : Classified as combustible dust. While this material is not considered a combustible dust as shipped, it is classified as a hazardous combustible dust by the OSHA Hazard Communication Standard 2012, 29 CFR 1910.1200.

GHS label elements : Not classified as hazardous

Signal word **Warning!** This product as shipped is not classified as a combustible dust; however, a combustible concentration of dust may occur if fines are suspended in air (e.g. from cutting to sanding the product)

Hazard statements : While this product is not classified as a combustible dust in and of itself, a combustible concentration of dust may occur if fines are suspended in air (e.g. cutting or sanding the sheets)

Potential Health Effects

Eyes : If dust is generated from cutting, it could scratch or irritate the eyes; if using elevated temperatures, vapors may irritate the eyes.

Ingestion : Dust or debris from cutting may irritate the throat, mouth, or stomach.

Inhalation : Inhalation of fine dust from cutting or sanding, may cause irritation of the respiratory system; inhalation of vapors from use of elevated temperatures may also cause irritation of the respiratory system.

Chronic : Inhalation of fine dust is not advised. See Section 8 for respiratory protection,

Prevention : Not applicable

Response : Not applicable

Storage : See Section 7 of SDS

Disposal : See Section 13 of SDS

Hazards not otherwise classified : When cutting or modifying earth shield Plastic Expansion Board product, other hazards may exist.



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Section 3. Composition/information on ingredients

Substance/mixture : Mixture

Other means of identification : Not available

CAS number/other identifiers

CAS number : Not applicable

Product code : 13360, 13361

<u>Ingredient name</u>	<u>%</u>	<u>CAS number</u>
Polypropylene Copolymer	50 - 100	9010-79-1
Proprietary	0 - 50	

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

- Eye contact** : Solid flake or dust may cause transient irritation as a result of mechanical abrasion. Immediately flush eyes with plenty of water for 15 minutes. Do not rub the eyes. Check for and remove any contact lenses. If irritation or other symptoms occur consult a physician.
- Inhalation** : Exposure to dust at high concentration may cause irritation to respiratory tract. Remove victim to fresh air. Consult physician if irritation of respiratory tract occurs.
- Skin contact** : Essentially no irritation to skin. Mechanical injury only. Hot solid may cause thermal burns. In case of skin contact with hot material, immediately immerse in or flush with clean, cold water.
- Ingestion** : May cause choking if swallowed. Consult a physician.
- Medical conditions aggravated by overexposure** : Not expected. This product is generally accepted as being biologically inert. No specific antidotal treatment, symptomatic support required,



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Section 5. Firefighting measures

Avoid accumulation and dispersion of dust to reduce explosion potential.

Extinguishing media

Suitable extinguishing media : Dry chemical, carbon dioxide, or foam.

Unsuitable extinguishing media : Do not use water jet.

Specific hazards arising from the chemical : Fire may produce irritating gases and dense smoke.

Hazardous thermal decomposition products : Thermal decomposition may occur at temperatures greater than 390° C . Irritating gases and dense smoke may result from fire.

Special protective actions for firefighters : Not available.

Special protective equipment for firefighters : Firefighters should wear NIOSH approved, positive pressure, self-contained breathing (SCBA) full protective clothing, protective equipment and respiratory breathing equipment.

Section 6. Accidental release measures

As supplied, the product presents no risk of spill or release.

General Procedures : Dusts deposits should not be allowed to accumulate on surfaces. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air).

For non-emergency personnel : No action shall be taken.

For emergency responders : Not required.

Environmental precautions : None required.

Methods and materials for contaminant and cleaning up

Spill : Not applicable



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Section 7. Handling and storage

Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8).
- Precautions to be taken in handling and storage** : Electrostatic charge may build up during handling. Grounding of equipment is recommended.
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and thoroughly before taking a break, eating, drinking, chewing, smoking or using the restroom facility.
- See also Section 8 for additional information on hygiene measures.
- Conditions for safe storage, including any incompatibilities** : Store in a cool, dry place. Store away from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink.
- Handling/ Required Work Hygiene Procedure** : Minimize contact with skin. If the product is cut or sanded, avoid exposure to dust and debris. Provide appropriate local ventilation and machinery and at places where dust can be generated. In case of insufficient ventilation, wear suitable respiratory equipment.



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Section 8. Exposure Controls / Personal Protection

Control parameters

Appropriate engineering controls : General ventilation should be sufficient to control worker exposure to airborne contaminants. However, if operating conditions create high airborne concentrations of this material, special ventilation may be needed to ensure that dust exposure does not exceed the OSHA PEL for nuisance dust.

Environmental exposure controls : None

Occupational Exposure Limits

<u>Ingredient name</u>	<u>OSHA-PEL</u>	<u>ACGIH-TLV</u>
POLYPROPYLENE COPOLYMER	None Nuisance Dust: 10MG/M3	None

Individual protection measures

Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.
: Dusted clothing and shoes should be thoroughly cleaned before use.

Eye/face protection : Safety glasses.

Skin protection

Hand protection : Gloves required when handling hot material.

Body protection : Not required.

Other skin protection : None

Respiratory protection : None required in normal use of product. NIOSH approved dust mask recommended if dust conditions exist.



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Section 9. Physical and Chemical Properties

Appearance

Physical state	: Solid white sheets
Color	: Finished sheets with color specified
Odor	: Insignificant odor
Odor threshold	: Not determined
pH	: Not applicable
Melting point	: 150 - 170°C
Boiling point	: Not applicable
Freezing rate	: Not applicable
Flash point	: Not available
Burning time	: Not available
Burning rate	: Not available
Evaporation rate	: None
Flammability (solid, gas)	: Not available
Lower and upper explosive (flammable) limits	: Not available
Specific Gravity	: 0.7 - 1.2 (water = 1)
Vapor pressure	: Not applicable
Vapor density	: Not applicable (air = 1)
Relative density	: Not available
Evaporation rate	: Not applicable (Butyl Acetate = 1), none
Solubility in water	: None
% Volatile	: None
Auto-ignition temperature	: Not applicable
Decomposition temperature	: Not available
SADT	: Not available



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Section 10. Stability and Reactivity

- Reactivity** : No specific test data related to reactivity available for this product or its ingredients.
- Chemical stability** : The product is stable.
- Possibility of hazardous reactions** : Hazardous polymerization will not occur.
- Conditions to avoid** : No specific data.
- Incompatible materials** : Avoid strong oxidizers.
- Hazardous decomposition products** : Under normal conditions of storage and use. Hazardous decompositions or by-products: Carbon Dioxide (CO₂), Carbon Monoxide (CO).



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Section 11. Toxicological Information

The information provided below can be subject to misinterpretation. Therefore, it is essential that the following information be interpreted by individuals trained in its evaluation.

Product/ingredient name	Result
POLYPROPYLENE COPOLYMER	No toxicology data available. Polypropylene is not considered hazardous material under OSHA Hazard Communication Standard.

Sensitization

Practically non-toxic. Negligible hazard at room temperature under normal use.

Skin : There is no data available

Respiratory : There is no data available

Mutagenicity

There is no data available

Carcinogenicity

Product/ ingredient name	OSHA	IARC	NTP
POLYPROPYLENE	No	No	No

Reproductive toxicity

There is no data available

Teratogenicity

There is no data available

Specific target organ toxicity (single exposure)

There is no data available

Specific target organ toxicity (repeated exposure)

There is no data available

Aspiration hazard

There is no data available



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Section 11. Toxicological Information

Information on the likely routes of exposure : Route of entry anticipated: oral, dermal.

Potential acute health effects

Eye contact : No known significant effects or critical hazards.

Inhalation : No known significant effects or critical hazards.

Skin contact : No known significant effects or critical hazards.

Ingestion : No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : No known significant effects or critical hazards.

Inhalation : No known significant effects or critical hazards.

Skin contact : No known significant effects or critical hazards.

Ingestion : No known significant effects or critical hazards.

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects : No known significant effects or critical hazards.

Long term exposure

Potential immediate effects : No known significant effects or critical hazards.

Potential delayed effects : No known significant effects or critical hazards.

Potential chronic health effects

General : No known significant effects or critical hazards.

Carcinogenicity : No known significant effects or critical hazards.

Mutagenicity : No known significant effects or critical hazards.

Teratogenicity : No known significant effects or critical hazards.

Developmental effects : No known significant effects or critical hazards.

Fertility effects : No known significant effects or critical hazards.



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Section 12. Ecological Information

ECO-Toxicity

No data is available on the adverse effects of this product on the environment.
Neither COD or BOD data available.

Persistence and degradability This product is not readily biodegradable.

Bioaccumulative Potential : No information available

Section 13. Disposal Considerations

Disposal methods : If disposed of in its purchased form, this product would not be a RCRA hazardous waste either by listing or by characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of the disposal whether a material containing the product or derived from the product should be classified as a hazardous waste (40 CFR 261.20-24.)

Section 14. Transport Information

DOT Classification

UN number	Not regulated for transport
UN proper shipping name	Not listed
DOT Label	Not regulated for transport
Transport hazard class(es)	Not applicable
Hazard label	Not applicable
Hazard placard	Not applicable
Packing group	Not applicable
Bulk packing	Not applicable
Environmental hazards	None
RQ	Not applicable
Additional information	None

Special precautions for user None:

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code : Not available



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Section 15. Regulatory Information

U.S. Federal regulations : **TSCA 8(a) CDR Exempt/Partial exemption:** Not determined
United States inventory (TSCA 8b): All components are listed or exempt.

Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs) : Not Listed

Clean Air Act Section 602 Class I Substances : Not listed

Clean Air Act Section 602 Class II Substances : Not listed

DEA List I Chemicals (Precursor Chemicals) : Not listed

DEA List II Chemicals (Essential Chemicals) : Not listed

SARA 302/304

Classification : Not applicable

SARA 311/312

Classification : Not applicable

SARA 313

Classification : Not applicable

Supplier notification

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

State regulations

California Prop. 65 - Not applicable



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Section 15. Regulatory Information

International lists : **Australia inventory (AICS)**: Not determined.
China inventory (IECSC): Not determined.
Japan inventory: Not determined.
Korea inventory: Not determined.
Malaysia Inventory (EHS Register): Not determined.
New Zealand Inventory of Chemicals (NZIoC): Not determined.
Philippines inventory (PICCS): Not determined.
Taiwan inventory (CSNN): Not determined.

Chemical Weapons Convention List Schedule I Chemicals : Not listed

Chemical Weapons Convention List Schedule II Chemicals : Not listed

Chemical Weapons Convention List Schedule III Chemicals : Not listed



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Section 16. Other Information

History

Date of issue mm/dd/yyyy : 11/11/2015

Version : 1

Revised sections :

Prepared by J P Specialties, Inc.

Key to abbreviations

ACGIH - American Conference of Governmental Industrial Hygienists

AICS - Australian Inventory of Chemical Substances

BOD - Biological Oxygen Demand

COD - Chemical Oxygen Demand

CSNN - Taiwan Existing (Chemicals and Substances Nomination and Notification)

DOT - Department of Transportation

GHS - Globally Harmonized System

HCS - Hazardous Communication Standard

IARC - International Agency for Research on Cancer

IATA - International Air Transport Association

IECSC - Inventory of Existing Chemical Substances Produced or Imported in China

IMDG - International Maritime Dangerous Goods

NIOSH - National Institute of Occupational Safety and Health

NTP - National Toxicology Program

NZLOC - New Zealand List of Chemicals OSHA - Occupational Safety & Health Administration

PEL - Permissible Exposure Limit

PICCS - Philippine Inventory of Chemicals or Chemical Substances

RCRA - Resource Conservation Recovery Act

SARA - Superfund Amendments & Reauthorization Act

SCBA - Self Contained Breathing Apparatus

TLV - Threshold Value

TSCA - Toxic Substances Control Act



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Section 16. Other Information

Other Data

Special Hazard Designations

<u>H.M.I.S. Rating</u>	<u>NFPA</u>	<u>KEY</u>
Health: 0	Health: 0	0 - Minimal
Flammability: 1	Flammability: 1	1 - Slight
Physical Hazard: 0	Instability: 0	2 - Moderate
Protection: E	Special: None	3 - Serious

Notice to reader

To the best of our knowledge, the information contained herein is believed to be accurate at the time of preparation and obtained from sources believed to be reliable. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

The information and recommendations contained herein are not intended to relieve the reader of responsibility to investigate and understand the laws, procedures, and regulations applicable to the readers enterprise, not to relieve the reader of responsibility to comply with laws applicable to the readers enterprise and place of business and to verify independently the information provided in this document as it may relate to the readers specific process or application.