

Quiet Qurl & Driwall Material

Material Safety Data Sheet

1. COMPANY IDENTIFICATION

Company: Keene Building Products
Address: P.O. Box 241353
Mayfield Heights, OH 44124
Toll Free Number: 877.514.5336
Main Number: 440.605.1020
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Effective Date: November, 2004

Product: **All Quiet Qurl® & Driwall™ Material**

2. PRODUCT INFORMATION

Chemical Name/s: All Quiet Qurl® & Driwall™ Material
Product Use: Building Applications

3. COMPOSITION & INFORMATION ON INGREDIENTS

General Description of Chemical Character:
All Quiet Qurl® & Driwall™ Material, Polypropylene "Entangled Net" with Polypropylene Fabrics added Flame Retardant, Polypropylene Colorant & Carbon Black.

Hazardous Ingredients
No Known Hazardous Ingredients

4. HAZARDOUS IDENTIFICATION

Emergency Overview:

- ✓ Material is made from pellets with slight or no odor.
- ✓ Can burn in a fire creating dense toxic smoke.
- ✓ Molten plastic can cause severe thermal burns.
- ✓ Fumes produced during melt process may cause eye, skin, & respiratory Tract irritation. Severe over-exposure may result in nausea, headache, chills, & fever.
- ✓ Secondary operations such as grinding, sanding, or sawing can produce dust which may present an explosion or respiratory hazard.

HMIS ratings: Health = 0; Flammability = 1; Reactivity = 0; PPE = B

Grease-like processing fume condensates on ventilation ductwork, molds, & other surfaces can cause irritation & injury to skin. Use protective clothing, including face shield & chemical resistant gloves.

5. FIRST AID MEASURES

Eyes: Remove contact lenses at once. Immediately flush eyes well with copious amounts of water or normal saline for at least 20-30 minutes. Seek medical attention.

Skin: Wash skin thoroughly with soap & water. Seek medical attention if rash or burns occur.

Ingestion: Immediately seek medical advice.

Inhalation: Not likely to be inhaled due to physical form.

For processing fume inhalation irritation, leave contaminated area & breath fresh air. If coughing, difficult breathing or any other symptoms develop, seek medical attention at once, even if symptoms develop at a later time.

For skin contact with fume condensate, immediately wash thoroughly with soap & water. If irritation develops, seek medical attention.

Melt Processing: For molten plastic skin contact, cool rapidly with water & immediately seek medical attention. Do not attempt removal of plastic without medical assistance. Do not use solvent for removal.

6. FIRE FIGHTING MEASURES

Fire Fighting: Approved positive pressure demand breathing apparatus (SCBA) & protective clothing should be used for all fires. Water spray is the preferred extinguishing medium. This product will melt but will not be carried on the surface of water.

Extinguishing Media: Water spray & foam. Water is the best extinguishing medium. Carbon dioxide & dry chemicals are not generally recommended because of their lack of cooling capacity, may permit re-ignition.

Hazardous Combustion Products: Hazardous combustion products may include intense heat, dense black smoke, carbon monoxide, carbon dioxide, & hydrocarbon fragments.

Typical Values:

Flash Points: 375°C
Lower Flammable Limit: 0.25 oz/cf (Dust)
Upper Flammable Limit: Not Established
Autoignition: 370°C, Estimated

Explosion Data:

- ✓ Impact Sensitivity: Not sensitive to mechanical impact.
- ✓ Static Discharge: Sensitive to static discharge only under dust cloud conditions (see HANDLING & STORAGE).

Hazardous Combustion Products: Intense heat, smoke, carbon dioxide, carbon monoxide, hydrocarbon fragments, & hydrogen cyanide may result.

7. ACCIDENTAL RELEASE MEASURES

Sweep or gather up material to minimize slipping hazard & place in proper container for disposal or recovery (see DISPOSAL INFORMATION).

8. HANDLING & STORAGE

Handling: Follow recommendations on label & in processing guide. Prevent contact with skin & eyes. Use good industrial hygiene practices. Provide adequate ventilation. Secondary operations such as grinding, sanding or sawing may produce a dust explosion hazard. Use bonding, grounding, venting & explosion relief provisions in accordance with accepted engineering practices.

Storage: Store in a dry place away from moisture, excessive heat & sources of ignition. Avoid storage near foods to prevent food contamination.

9. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: A continuous supply of fresh air to the workplace together with removal of processing fumes through exhaust systems is recommended. Processing fume condensate may be a fire hazard & toxic; remove periodically from exhaust hoods, ductwork & other surfaces using appropriate personal protection; refer to **Hazards Identification** for information. For powders & residual dusts, refer to **Handling & Storage** section.

Ventilation Requirements: Must be locally determined to limit exposure to materials at their point of use. Design techniques & guidelines may be found in publications such as: industrial Ventilation - available from the *American Conference of Governmental Industrial Hygienists, Committee on Industrial Ventilation, P.O. Box 16153, Lansing, MI 48901.*

Personal Protections:

Eye/Face: Wear Safety glasses with side shields or chemical goggles. In addition, use full-face shield when cleaning processing fume condensates from hoods, ducts & other surfaces.

Skin: When handling Roll Goods, avoid prolonged or repeated contact with material. When melt processing product, wear long pants, long sleeves, insulated gloves & face shield when applicable. Use appropriate protective clothing, including chemical resistant gloves, to prevent any contact with processing fume condensates.

Respiratory: When processing fumes are not adequately controlled, use approved for protection from organic vapors & acid gases. When dust or powder from secondary operations, such as grinding, sanding or sawing is not adequately controlled, use respirator approved for protection from dust.

10. PHYSICAL & CHEMICAL PROPERTIES

- ✓ Physical State: Roll Good
- ✓ Odor & Appearance: Roll Good with Slight Odor
- ✓ Boiling Point: Not Applicable
- ✓ Melting Point: 165°C
- ✓ Vapor Pressure (mmHg): Negligible
- ✓ Vapor Density (air-1): Not Applicable
- ✓ Specific Gravity: 0.91
- ✓ Water Solubility: Insoluble
- ✓ % Volatiles: Negligible
- ✓ PH: Not Applicable
- ✓ Odor Threshold: Not Established
- ✓ Evaporation Rate: Negligible
- ✓ Coefficient Water/Oil: Not Established

11. STABILITY & REACTIVITY

Stability: Stable under recommended conditions of storage & handling.

Reactivity: Not reactive under recommended conditions of storage & handling, processing & usage.

Conditions to Avoid: Do not exceed melt temperature recommendations in product literature. In order to avoid IAutoignition/hazardous decomposition of hot, thick masses of plastic, purging should be collected of hot, thick masses of plastic, purging should be collected in small, flat shapes or thin strands to allow from rapid cooling & quench in water. Do not allow product to remain in barrel at elevated temperatures for extended periods of time: purge with a general purpose resin. (See Exposure Controls/Personal Protection section for respiratory protection advice).

Hazardous Decomposition: Processing fumes evolved at recommended processing conditions may include trace levels ethylbenzene, acrolein, acetaldehyde, acetophenone, cumene, & other low molecular weight hydrocarbon fragments.

12. TOXICOLOGICAL INFORMATION

Eye: Product not considered primary eye irritant. When similar products, in finely divided form, were placed into the eyes of rabbits, slight transient redness or discharge occurred - consistent with the expected slightly abrasive nature of the resin particles.

Skin: Product not considered primary skin irritant. Draize skin Primary Irritation Score (rabbit) for similar products, in finely divided form, for 24-hour exposure is 0. Not expected to be a skin sensitizer based on results of Modified Buehler Guinea Pig Sensitization Test from similar products, Dermal LD50 (rabbit) > 2g/kg, estimated.

Acute Oral: Oral LD50 (rat) > 5g/kg, estimated.

Acute Inhalation: Processing fumes from similar products are not considered toxic. In acute inhalation tests, laboratory rats were exposed to processing fumes at concentrations exaggerating those that would likely occur in workplace situations. No deaths or signs of toxicity, except transient irritancy in some cases, were noted during the 6 hour fume exposure tests. There were no distinct or consistent treatment-related tissue or organ changes noted in gross necropsies.

Subchronic: In subchronic testing, the base resin was considered physiologically inert when fed to rats for 8 weeks at a dietary level of 6%.

Carbon Black: These products contains less than 0.03% carbon black. Any exposure to carbon black is expected to remain well below OSHA regulatory & ACGIH recommended limits during normal handling & use of this product. Epidemiological studies of workers in the carbon black producing industries of North America & Western Europe show no significant adverse health effect due to occupational exposure to carbon black. Early studies in the former USSR & Eastern Europe report respiratory diseases among workers exposed to carbon black, including: bronchitis, pneumonia, emphysema & rhinitis. Such studies are of questionable validity, due to inadequate study design & methodology, lack of appropriate controls for cigarette smoking, & other confounding factors such as concurrent exposures to carbon monoxide, coal oil & petroleum vapors. Moreover, review of these studies indicates that concentrations of carbon black were greater than current occupational exposure standards. In Monograph 65, issued in April 1996, the International Agency for Research on Cancer (IARC) re-evaluated carbon black & concluded that, "Although one cohort study on the carbon black production industry showed slight excesses of cancer, the totality of the epidemiology studies, both in the carbon black production industry & in some user industries, suggested that there is inadequate evidence for the carcinogenicity in humans of carbon black." Based on an IARC conclusion that there is "sufficient evidence in experimental animals for the carcinogenicity of carbon black" & inadequate evidence of carcinogenicity in humans, IARC's overall evaluation is that "carbon black is possibly carcinogenic to humans" (group 2B). Carbon black has not been listed as a carcinogen by the National Toxicology Program (NTP) or the Occupational Safety & Health Administration (OSHA). The National Institute of Occupational Safety & Health (NIOSH) criteria document on carbon black recommends that only carbon blacks with PAH levels greater than 0.1% be considered suspect carcinogens.

13. ECOLOGICAL INFORMATION

Not expected to present any significant ecological problems.

14. DISPOSAL INFORMATION

RCRA Hazardous Waste: Product is not a RCRA hazardous waste.

Waste Disposal: Recycling is encouraged. Disposal in landfill or by incineration in accordance with federal, state & local requirements. Collected processing fume condensates & incinerator ash should be tested to determine waste classification. Do not dump into any sewers, on the ground, or into any body of water.

15. TRANSPORTATION INFORMATION

Dot Hazardous Class: Not regulated
Proper Shipping Name: Not regulated
Identification Number: Not listed
TDGA: Not listed

16. REGULATORY INFORMATION

Listed below are chemical substances subject to supplier notification requirements. The percentages, when present, represent average values.

TSCA Status: This product complies with the Chemical Substance Inventory requirements of the US EPA Toxic Substances Control Act (TSCA).

WHMIS
Classification: D2

If & components in this product are known to the State of California to cause cancer &/or are reproductive hazards, they are listed below:

| <i>Component:</i> | <i>Reason Listed:</i> | <i>CAS Number:</i> | <i>%:</i> |
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17. OTHER

This material may contain commercially available pigments, dyes, or colorants. These colorants are typically added at concentrations of < 5%, but may be added in concentrations as high as 10%. For additional information, please consult the attached MSDS for the appropriate colorant.

THE ABOVE INFORMATION & RECOMMENDATIONS ARE BELIEVED ACCURATE & RELIABLE BECAUSE IT IS NOT POSSIBLE TO ANTICIPATE ALL CONDITIONS OF USE; ADDITIONAL SAFETY PRECAUTIONS MAY BE REQUIRED. KEENE BUILDING PRODUCTS, MAKES NO WARRANTY, EITHER EXPRESSED OR IMPLIED, INCLUDING MERCHANTABILITY & FITNESS.

USER RESPONSIBILITY: EACH USER SHOULD READ & UNDERSTAND THIS INFORMATION & INCORPORATE IT INTO INDIVIDUAL SITE SAFETY PROGRAMS IN ACCORDANCE WITH APPLICABLE HAZARD COMMUNICATION STANDARDS & REGULATIONS.



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