



Material Safety Data Sheet

I PRODUCT IDENTIFICATION

COMMON/TRADE NAME: QuietBox

ISSUE DATE: 03/28/2012

Manufacturer: IsoStore
4013 E Barber Dr
Boise ID 83716
Tel: 877-866-6473
Fax: 208-369-4650
URL: IsoStore.com

24 Hour Emergency Number: 877-866-6473

PRODUCT USE: Used to isolate recessed light housings.

II INGREDIENTS

Principal Hazardous Component(s) (chemical & common name(s))	% Solid Content by Dry Weight	CAS No.
SOFT WOOD DUST (100 % PRE-CONSUMER RECYCLED WOOD FIBER) - (MDF)	50.5% - 53.4%	Not Applicable
GYPSUM OR CALCIUM SULFATE DIHYDRATE	< 34.2%	13397-24-5/10101-41-4
CELLULOSE	<4.0%	9004-34-6
CRYSTALLINE SILICA	<2.0%	14808-60-7****
STARCH	<1.2%	9005-25-8
FIBROUS GLASS (CONTINUOUS FILAMENT)	<0.4%	65997-17-3***
ALUMINUM FOIL (AS ALUMINUM AND COMPOUNDS)	<1.2%	7429-90-5
UREA FORMALDEHYDE RESIN (Formaldehyde content <0.1%)	4.1% - 5.8%	50-00-0



POLYHEXAMETHYLENE ADIPAMIDE	<0.1%	32131-17-2
Carbon Black	<0.003%	1555-86-4
WATER	0.5% - 0.9%	7732-18-5
LATEX POLYMER	0.4% - 1.0%	Not Applicable
MELAMINE **	< 1.2 %	108-78-1
CALCIUM CARBONATE	0.1% - 0.3%	471-34-1
AMMONIA*	0.6%	7664-41-7
WAX (PARAFFIN) **	< 0.6%	8002-74-2

* Product $\geq 0.375''$ is treated with ammonia lowering formaldehyde emissions

** Wax and Melamine added to improve water resistance properties

*** As manufactured, continuous filament glass fibers are not respirable. Continuous filaments that are chopped, crushed, or severely mechanically processed during manufacture or use may contain very small amounts of respirable particulates.

**** The weight percent for silica represents total quartz and not the respirable fraction.

III HAZARDS IDENTIFICATION

Emergency Overview:

In its intact state, this product is classified as not hazardous although dust may be irritating to respiratory tract and may cause skin irritation in some individuals.

Emergency Overview for MDF & Gypsum dust:

Eye contact: Possibly irritating.

Skin Contact: May cause skin irritation.

Inhalation: May cause irritation of the respiratory tract.

Ingestion: No hazard expected in normal use



IV First Aid Measures

Ingestion: N/A

Skin: Wood & gypsum dust may elicit contact dermatitis in some individuals or cause mechanical irritation. If irritation or dermatitis develops, seek medical attention.

Inhalation: Exposure to excessive concentrations of wood & gypsum dust may cause unpleasant deposition in the nasal passage resulting in dryness, cough and headache. Avoid breathing dust, remove from exposure.

Eyes: Wood & gypsum dust may mechanically irritate eyes resulting in redness or watering. Flush with clean water to remove particles. If irritation persists, seek medical attention.

Overexposure Effects:

Acute Overexposure:

MDF: wood dust may cause eye and respiratory irritation, nasal dryness, coughing, sneezing and wheezing as a result of inhalation. Formaldehyde may cause temporary irritation of skin, eyes, or respiratory system.

Gypsum: Exposure to dust generated during the handling or use of the product may cause temporary irritation to eyes, skin, nose, throat, and upper respiratory tract. Persons subjected to large amounts of this dust will be forced to leave area because of nuisance conditions such as coughing, sneezing and nasal irritation. Labored breathing may occur after excessive inhalation. If respiratory symptoms persist, consult physician.

Chronic Overexposure:

MDF: wood dust may cause allergic dermatitis and respiratory sensitization. Prolonged exposure to wood dust has been reported by some agencies to be associated with nasal cancer. Formaldehyde may cause sensitization in susceptible individuals. Formaldehyde is classified as a probable or potential carcinogen.

Gypsum: The concentration of respirable crystalline silica measured in bulk samples of USG gypsum was less than 0.1 Wt.%. Industrial hygiene testing, following the NIOSH Method 7500, did not detect respirable crystalline silica in dust created during the cutting of USG gypsum wallboard panels by both the recommended score and snap technique and with the use of a power saw in a 10ft by 10ft room.

Panels do not release respirable dust in their installed state and therefore do not present any known health hazards when installed and properly maintained. Exposures to respirable crystalline silica are not expected during the normal use of this product; however, actual levels must be determined by workplace hygiene testing. Prolonged and repeated exposure to airborne free respirable crystalline silica can result in lung disease (i.e., silicosis) and/or lung cancer. The development of silicosis may increase the risks of additional health effects. The risk of developing silicosis is dependent upon the exposure intensity and duration.

Medical Conditions Aggravated by Exposure:

MDF & gypsum dust: respiratory conditions or allergies, skin conditions



V FIRE FIGHTING MEASURES

Flash Point:	N/A
Flammable Limits in Air (Lower - % by volume):	N/A
Flammable Limits in Air (Upper - % by volume):	N/A
Auto-Ignition Temperature	400 - 500 F
Fire Fighting Extinguishing Media: Water.	

Special Fire Fighting Procedures: Saturate door with water and move to a secure outside storage location. Avoid breathing smoke. Wear appropriate personal protective equipment

Fire and Explosion Hazards: Wood dust generated from sawing, sanding, machining, etc. may create a fire and explosion hazard. Avoid wood or metal dust accumulations.

VI ACCIDENTAL RELEASE MEASURES

Steps to be taken in case material is released or spilled:

Vacuum, sweep, or shovel to minimize dust generation. Provide adequate ventilation

VII HANDLING AND STORAGE

Signal Word: Warning.

Handling: Avoid dust contact with eyes and skin. Wear the appropriate eye and skin protection against dust. Minimize dust generation and accumulation. Avoid breathing dust. Wear the appropriate respiratory protection against dust in poorly ventilated areas and if TLV is exceeded. Use good safety and industrial hygiene practices. When moving board with a forklift or similar equipment, it is essential that the equipment be rated capable of handling the loads. The forks should always be long enough to extend completely through the width of the load. Fork spacing between supports should be one half the length of the panels or base being handled so that a maximum of 4' extends beyond the supports on either end. Follow traditional building practices, such as management of water away from the interior of the structure to avoid the growth of mold, mildew and fungus. Remove any building products suspected of being exposed to sustained moisture and considered conducive to mold growth from the jobsite. Use proper lifting techniques.

Storage Information: Store in a cool, dry place away from open flame, sparks or hot surfaces. Protect product from physical damage. Protect from weather and prevent exposure to sustained moisture.

VIII EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal Protection Equipment: When there is risk from dust, wear appropriate equipment to



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prevent eye or skin contact. Protective outer layer may be desirable in extremely dusty areas.

Skin Protection: When there is risk from dust wear impervious gloves.

Respiratory Protection: NIOSH approved dust respirator, if needed.

Eye Protection: Safety glasses and/or goggles when there is risk of dust.

Engineering Controls: Good general mechanical ventilation and local exhaust.

IX PHYSICAL AND CHEMICAL PROPERTIES

General information

Appearance

Physical state	: Solid
Color	: Light Tan / grey
Odor	: Slight
Odor threshold	: Not available,

Important health, safety and environmental information

PH	Not Available
Boiling point	Not Available
Specific gravity	Not Available
Flash point	Not Available
Auto-Ignition Temperature	400 - 500 F
Solubility in water	Not available.
Reactivity in water	Not available.
Vapor pressure	Not available
Vapor density	Not available.
Evaporation Rate (_____ =1)	Not available
VOC content	N/A

X STABILITY AND REACTIVITY

Stability: Stable.

Incompatibility: strong oxidizing agents, strong acids and alkaline materials

Hazardous Decomposition Products: toxic fumes and gases, including carbon monoxide, carbon dioxide, aldehydes and organic acids.

Hazardous Polymerization: Will not occur.

Conditions to Avoid: None



XI TOXICOLOGICAL INFORMATION

CARCINOGENICITY CLASSIFICATION OF INGREDIENTS IN GYPSUM DRYWALL

All substances listed are associated with the nature of the raw materials used in the manufacture of this product and are not independent components of the product formulation. All substances, if present, are at levels well below regulatory limits.

MATERIAL	IARC	NTP	ACGIH	CAL- 65
Fibrous Glass/Continuous Filament	3	2	A4	Not Listed
Crystalline silica	1	1	A2	Listed
Vinyl Acetate Monomer	2B	Not Listed	A3	Not Listed
Acetaldehyde	2B	2	A3	Listed
Formaldehyde	1	2	A2	Listed

IARC - International Agency for Research on Cancer: 1- Carcinogenic to humans; 2A - Probably carcinogenic to humans; 2B - Possibly carcinogenic to humans; 3 - Not classifiable as a carcinogen; 4 - Probably not a carcinogen

NTP - National Toxicology Program (Health and Human Services Dept., Public Health Service, NIH/NIEHS): 1-Known to be carcinogen; 2- Anticipated to be carcinogens

ACGIH - American Conference of Governmental Industrial Hygienists: A1 - Confirmed human carcinogen; A2 - Suspected human carcinogen; A3 - Animal carcinogen; A4 - Not classifiable as a carcinogen; A5 - Not suspected as a human carcinogen

CAL-65 - California Proposition 65 “Chemicals known to the State of California to Cause Cancer” Respirable crystalline silica: IARC: Group 1 carcinogen, NTP: Known human carcinogen. The weight percent of crystalline silica given represents total quartz and not the respirable fraction. The weight percent of respirable silica has not been measured in this product.

CARCINOGENICITY CLASSIFICATION OF INGREDIENTS IN MDF:

Wood Dust:	National Toxicology Program -	Yes
	I.A.R.C. Monographs -	Yes
Formaldehyde:	National Toxicology Program -	Yes
	I.A.R.C. Monographs -	Yes

OSHA Permissible Exposure Limit:

FORMALDEHYDE	0.75 ppm
AMMONIA	50.0 ppm
WAX (PARAFFIN)	2.0 mg/m3
WOOD DUST	Total: 15.0 mg/m3 Respirable: 5.0 mg/m3
ALUMINUM	15 mg/m3 (dust)



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Other Exposure Limit Used:

2.0 ppm STEL FORMALDEHYDE
0.5 ppm ACTION
35.0 ppm STEL AMMONIA

ACGIH Threshold Limit Value:

FORMALDEHYDE 0.3 ppm
AMMONIA 25.0 ppm
WAX (PARAFFIN) 2.0 mg/m³
WOOD DUST Total: 1.0 mg/m³
ALUMINUM 10 mg/m³ (dust)

XII ECOLOGICAL INFORMATION

Mobility The dust from processing is highly mobile especially when airborne.

Degradability Biodegradable as for wood.

Bio accumulative potential Not determined.

Aquatic toxicity Toxicity to bacteria, algae and higher marine organisms not tested.

XIII DISPOSAL CONSIDERATIONS

Waste disposal method:

Dispose according to applicable Federal, State and Local regulations. Resins used in glue formulations contain formaldehyde.

XIV TRANSPORT INFORMATION

Department of Transportation (DOT) Requirements

This product is not regulated as a hazardous material by the United States (DOT) transportation regulations

Canadian Transportation of Dangerous Goods (TDG) Requirements

Not regulated as dangerous goods.

XV REGULATORY INFORMATION

US FEDERAL REGULATIONS:

OSHA.

Wood products are not hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200. However, formaldehyde emissions and wood dust generated from sawing, sanding or machining wood and wood products is considered hazardous and is regulated under the Hazardous Communication Standard 29 CFR 1910.1200.

**Resource Conservation and Recovery Act (RCRA):**

Not a hazardous waste under RCRA (40 CFR 261)

SARA Title III: Section 302:

This material contains one or more of the following chemicals required to be identified under SARA Section 302 (40 CFR 355 Appendix A)

Chemical Name: Formaldehyde

Percent in Composition: 4.1% - 5.8 % by weight

Comment: SARA 302: 500lb. TPQ

SARA Title III: Section 304 - CERCLA:

This material contains one or more of the following chemicals required to be identified under SARA Section 304 CERCLA (40 CFR 302.4).

Chemical Name: Formaldehyde

Percent in Composition: 4.1% - 5.8 % by weight

Comment: CERCLA: 100lb final RQ; 45.4 kg final RQ

SARA Title III: Section 313 Toxic Chemical List (TCL):

This product contains a toxic chemical(s) for routine annual toxic chemical release reporting under section 313 (40 CFR 372). This information must be included in all MSDS's copied or distributed for this material.

Chemical Name: Aluminium

Percent in Composition: <1.2% by weight

STATE REGULATIONS:**Component Analysis - State**

The following components appear on one or more of the following state hazardous substances lists and may also appear on similar lists in states not on the chart:

Component	CAS	CA	MA	MN	NJ	PA	RI
Formaldehyde	50-00-0	yes	yes	yes	yes	yes	yes
Wood dust, allnone soft and hard woods		no	no	yes	no	yes	yes

Component Analysis - WHMIS IDL

No components are listed in the WHMIS IDL.

INTERNATIONAL REGULATIONS:**Canadian Inventory Status:**

This product contains only chemicals that are currently listed on the Canadian Domestic Substance List.



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Canadian WHMIS:

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.
D2A

STATE REGULATIONS:

California Proposition 65:

Drilling, sawing, sanding or machining wood products generates wood dust, a substance known to the State of California to cause cancer. Avoid inhaling wood dust or use a dust mask or other safeguards for personal protection.

This product contains formaldehyde, a substance known to the State of California to cause cancer. Use adequate ventilation and avoid inhaling vapors and/or use appropriate personal protective equipment

XVI OTHER INFORMATION

Label requirements: NONE

HMIS Classification : Health hazard: 1
 Fire: 0
 Physical Hazard: 0

Scale: 0 = MINIMAL 1 = SLIGHT 2 = MODERATE 3 = SERIOUS 4 = SEVERE

MSDS No: QB-01

Approved By: Eric Pollard

Title: Director / Officer

Disclaimer:

The information above is believed to be accurate in accordance with 29 CFR 1910.1200, and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall IsoStore be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if IsoStore has been advised of the possibility of such damages.