Section 1: Identification

Product identifier:
Product Name(s)
Nailable Base-3 (GRF) Advantage Nailable Base-3 (GRF) Multi-Vent Nailable Base-3 (GRF)
Vented Nailable Base-3 (GRF)

Relevant identified uses of the substance or mixture and uses advised against
Recommended use Composite, Insulation Board with wood products

Details of the supplier of the safety data sheet Manufacturer
Rmax Operating, LLC
13524 Welch Road
Dallas, TX 75244
United States
www.rmax.com
Rmax@rmax.com
Telephone (General) 972-387-4500

Emergency telephone number only:
Call CHEMTREC
Day or Night within USA and Canada:
1-800-424-9300

Section 2: Hazard Identification

United States (US)

Classification of the substance or mixture
OSHA HCS 2012 Carcinogenicity 1A
Combustible Dust

Label elements (Due to dust from cutting wood product in composite)
OSHA HCS 2012 **DANGER**

Hazard statements May cause cancer
May form combustible dust concentrations in air

Precautionary statements
Prevention Do not handle until all safety precautions have been read and understood.
Wear protective gloves, clothing, and eye/face protection

Response If exposed or concerned: Get medical advice/attention.

Storage/Disposal Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Other hazards
OSHA HCS 2012 The dust produced by cutting the wood product in this composite material is considered hazardous under the United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard)

Other Toxic Effects - D2B

Section 3 - Composition/Information on Ingredients

Substances Material does not meet the criteria of a substance.

Mixtures

Composition (varies by product thickness)				
Chemical Name	**Identifiers**	**%**	**LD50/LC50**	**Classifications According to Regulation/ Directive**
Polyisocyanurate Foam	CAS:9063-78-9	< 90%	NDA	OSHA HCS 2012: Not Classified
Pentane	CAS:109-66-0	0% to 5%	Inhalation-Rat LC50 364 g/m^3 4 Hour(s); Ingestion/Oral- Rat LD50>2000 mg/kg	OSHA HCS 2012: Flam. Liq. 1; STOT SE 3: Narc.; Asp. Tox. 1
Glass, oxide, chemicals	CAS:65997-17-3	0.01%	No data available	OSHA HCS 2012: Exposure limits
Cellulose	CAS:9004-34-6	0% to 0.85%	Ingestion/Oral- Rat LD50 >5 g/kg; Inhalation- Rat LC50 >5800mg/m^3 4 Hour(s); Skin- Rabbit LD50 >2 g/kg	OSHA HCS 2012: Comb. Dust
Carbon Black	CAS:1333-86-4	0.001%	Ingestion/Oral-Rat LD50 >15400 mg/kg; Skin- Rabbit LD50 >3 g/kg	OSHA HCS 2012: Exposure limits
Nailing Panel	None	<10%	NDA	OSHA HCS 2012: Not Classified
⌊Wood dust [60% to 100%]	None	<10%	NDA	OSHA HCS 2012: Carc. 1A; Comb. Dust

Section 4: First-Aid Measures

Description of first aid measures

Inhalation — First aid is not expected to be necessary if materials used under ordinary conditions and as recommended. If signs/symptoms continue, get medical attention.

Skin — First aid is not expected to be necessary if materials used under ordinary conditions and as recommended. If irritation develops and persists, get medical attention.

Eye — In case of contact with substance, immediately flush eyes with running water for at least 20 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Ingestion — First aid is not expected to be necessary if materials used under ordinary conditions and as recommended.

Most important symptoms and effects, both acute and delayed

Refer to Section 11 - Toxicological Information.

Indication of any immediate medical attention and special treatment needed

Notes to Physician — Immediate medical attention after exposure to this material not expected to be necessary. No special treatment indicated related to exposure to this material.

Section 5: Fire-Fighting Measures

Extinguishing media

Suitable Extinguishing Media — LARGE FIRE: Water spray, fog or regular foam.
SMALL FIRES: Dry chemical, CO2, water spray or regular foam.

Unsuitable Extinguishing Media — None known

Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards — Polyisocyanurate foam is combustible.

Hazardous Combustion Products	Carbon dioxide and carbon monoxide
Advice for fire fighters	Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Structural fire fighters' protective clothing will only provide limited protection.

Section 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Personal Precautions	No special precautions expected to be necessary if materials used under ordinary conditions and as recommended.
Emergency Procedures	No emergency procedures are expected to be necessary if materials used under ordinary conditions as recommended.
Environmental precautions	No special environmental precautions necessary.

Methods and material for containment and cleaning up

Containment/Clean-up Measures	Pick up pieces and vacuum clean dusts. If sweeping is necessary, use a dust suppressant.

Section 7 - Handling and Storage

Precautions for safe handling

Handling	Use only with adequate ventilation. Minimize dust generation and accumulation. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Avoid breathing dusts generated during use of this material. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco.

Conditions for safe storage, including any incompatibilities

Storage	Keep away from heat, sparks, and flame. Keep away from incompatible materials. Store in a cool, dry place.

Section 8 - Exposure Controls/Personal Protection

Control parameters

	Result	ACGIH	NIOSH	OSHA
Pentane (109-66-0)	TWAs		120 ppm TWA; 350 mg/m3 TWA	1000 ppm TWA; 2950 mg/m3 TWA
	Ceilings	1000 ppm TWA (listed under Pentane, all isomers)	610 ppm Ceiling (15 min); 1800 mg/m3 Ceiling (15 min)	Not established
Glass, oxide, chemicals as Glass wool fiber	TWAs	1 fiber/cm3 TWA (respirable fibers: length >5 µm, aspect ratio >=3:1, as determined by the membrane filter method at 400-450X magnification [4-mm objective], using phase-contrast illumination, listed under Synthetic vitreous fibers), as Glass wool fiber	3 fiber/cm3 TWA (fibers <= 3.5 µm in diameter and >= 10 µm in length); 5 mg/m3 TWA (total), as Glass wool fiber	Not established
Cellulose (9004-34-6)	TWAs	10 mg/m3 TWA	10 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable dust)	15 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable fraction)
Carbon Black (1333-86-4)	TWAs	3 mg/m3 TWA (inhalable fraction)	3.5 mg/m3 TWA; 0.1 mg/m3 TWA (Carbon black in presence of Polycyclic aromatic hydrocarbons, as PAH)	3.5 mg/m3 TWA

Wood dust as Particulates not otherwise classified (PNOC)	TWAs	10 mg/m3 TWA (inhalable particles, recommended); 3 mg/m3 TWA (respirable particles, recommended) as Particulates not otherwise classified (PNOC); 0.5 mg/m3 TWA (inhalable fraction) as Wood dust, western red cedar; 1 mg/m3 TWA (inhalable fraction), as Wood dusts (all other wood dusts)	1 mg/m3 TWA, as Wood dust, all soft and hard woods	15 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable fraction), as particulates not otherwise classified (PNOC)

Exposure controls

Engineering Measures/Controls — Adequate ventilation systems as needed to control concentrations of airborne contaminants below applicable threshold limit values.

Personal Protective Equipment

Respiratory — In case of insufficient ventilation, wear suitable respiratory equipment.

Eye/Face — Wear safety glasses or goggles.

Skin/Body — No skin protection is ordinarily required under normal conditions of use. Protective puncture-resistant gloves and/or sleeves for handling rough-cut edges.

Environmental Exposure Controls Follow best practice for site management and disposal of waste.

Key to abbreviations
NIOSH = National Institute of Occupational Safety and Health
OSHA = Occupational Safety and Health Administration
TWA = Time-Weighted Averages are based on 8h/day, 40h/week exposures
TWAEV = Time-Weighted Average Exposure Value

Section 9 - Physical and Chemical Properties

Information on Physical and Chemical Properties

Material Description			
Physical Form	Solid	Appearance/ Description	Rigid foam board with various facers - various thicknesses.
Color	White/ cream foam	Odor	Odorless
General Properties			
Boiling Point	Not relevant	Melting Point	No data available
Decomposition Temperature	No data available	pH	Not relevant
Specific Gravity/Relative Density	= 0.03 Water=1	Water Solubility	Not relevant
Volatility			
Vapor Pressure	No data available	Vapor Density	No data available
Evaporation Rate	No data available		
Flammability			
Flash Point	Not relevant	UEL	Not relevant
LEL	Not relevant	Auto ignition	No data available
Flammability (solid, gas)	No data available		

Section 10: Stability and Reactivity

Reactivity — No dangerous reaction known under conditions of normal use.

Chemical stability — Stable under normal temperatures and pressures.

Possibility of hazardous reactions — Hazardous polymerization will not occur.

Conditions to avoid — Sources of flame and ignition.

Incompatible materials — Strong oxidizing agents.

Hazardous decomposition products — Under normal conditions, hazardous decomposition will not occur. Thermal decomposition may emit fumes or gases, such as carbon monoxide, carbon dioxide.

Section 11 - Toxicological Information

Information on toxicological effects

Components		
Pentane (0% to 5%)	109-66-0	Acute Toxicity: Ingestion/ Oral-Rat LD50 >2000 mg/kg; Inhalation-Rat LC50 364 g/m^3 4 Hour(s)
Cellulose (0% to 0.85%)	9004-34-6	Acute Toxicity: Ingestion/ Oral-Rat LD50 >5 g/kg; Inhalation-Rat LC50 >5800 mg/m^3 4 Hour(s); Skin-Rabbit LD50 >2 g/kg

Potential Health Effects

Inhalation

Acute (Immediate) Exposure to dust may cause irritation.

Skin

Acute (Immediate) Causes mild skin irritation.

Eye

Acute (Immediate) Exposure to dust may cause mechanical irritation.

Ingestion

Acute (Immediate) Excessive concentrations of nuisance dust in the workplace may cause mechanical irritation to mucous membranes.

Carcinogenic Effects

Carcinogenic Effects			
	CAS	IARC	NTP
Glass, oxide, chemicals as Glass wool fiber	None	Not Listed	Reasonably Anticipated to be Human Carcinogen
Carbon Black	1333-86-4	Group 2B-Possible Carcinogen	Not Listed
Wood dust as Wood dust, all soft and hard woods	None	Group 1-Carcinogenic	Known Human Carcinogen

Key to abbreviations
LC = Lethal Concentration
LD = Lethal Dose

Section 12 - Ecological Information

Toxicity and ecological data No information available.

Section 13 - Disposal Considerations

Waste treatment methods

Product waste Dispose of content and/or container in accordance with local, regional, national, and/ or international regulations.

Packaging waste Dispose of content and/or container in accordance with local, regional, national, and/ or international regulations.

Section 14 - Transport Information

DOT, TDG, IMO/IMDG, IATA/ICAO Not regulated.

Special precautions for user None specified.

Transport in bulk according to Annex II of MARPO73/78 and the IBC Code No data available

Section 15 - Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture
SARA Hazard Classifications Chronic

		State Right To Know			Inventory
Component	**CAS**	**MA**	**NJ**	**PA**	**TSCA**
Pentane	109-66-0	Yes	Yes	Yes	Yes
Polyisocyanurate Foam	9063-78-9	No	No	No	Yes
Glass, oxide, chemicals	65997-17-3	No	No	No	Yes
Cellulose	9004-34-6	Yes	Yes	Yes	Yes
Carbon Black	1333-86-4	Yes	Yes	Yes	Yes

OSHA – Process Safety Management, Highly Hazardous Chemicals Not Listed
OSHA – Specifically Regulated Chemicals Not Listed
Clean Air Act (CAA) – 1990 Hazardous Air Pollutants Not Listed
CERCLA/SARA Not Listed

California - Proposition 65

Wood/ Wood Dust (CAS Not Assigned)	Product contains chemicals known to the state of California to cause cancer. Drilling, sawing, sanding or machining wood products generates wood dust, a substance known to the state of California to cause cancer. Avoid inhaling such dust and particles; use a dust mask or other safeguards for personal protection. Listed: 12/18/09
Carbon Black - 1333-86-4	Carcinogen, airborne, unbound particles of respirable size. List date 2/21/03

Section 16 - Other Information

Preparation Date: 05/29/2015 **Last Revision Date:** 07/20/2015

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