



Section 1: Identification

Product identifier:

Product Name
Tapered Ultra-Max®

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

Recommended use
Insulation Board

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
Not classified

Label elements

OSHA HCS 2012

Hazard statements
No label element(s)

Other hazards

OSHA HCS 2012
This product is not considered hazardous under U.S. OSHA 29 CFR 1910.1200 - Hazard Communication Standard.

Substances
Material does not meet the criteria of a substance.

Section 3 - Composition/Information on Ingredients

Mixtures

| Composition (varies with product thickness) | | | | |
|---|----------------|----------|--|--|
| Chemical Name | Identifiers | % | LD50/LC50 | Classifications According to Regulation/ Directive |
| Polyisocyanurate Foam | None | 99% | No data available | 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 |

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 develop, get medical attention.

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| | |
|-----------|---|
| Skin | First aid is not expected to be necessary if materials used under ordinary conditions and as recommended. If signs/symptoms develop, 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 signs/symptoms develop, get medical 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 No data available.

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.

Section 7 - Handling and Storage

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.

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 | 1000 ppm TWA (listed under Pentane, all isomers) | 120 ppm TWA; 350 mg/m ³ TWA | 1000 ppm TWA; 2950 mg/m ³ TWA |
| | Ceilings | | 610 ppm Ceiling (15 min); 1800 mg/m ³ Ceiling (15 min) | Not established |
| Glass, oxide, chemicals as Glass wool fiber | TWAs | 1 fiber/cm ³ 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/cm ³ TWA (fibers <= 3.5 μm in diameter and >= 10 μm in length); 5 mg/m ³ TWA (total), as Glass wool fiber | Not established |

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 foil 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) |

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 |

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.

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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 None

| Component | CAS | State Right To Know | | | Inventory |
|-------------------------|------------|---------------------|-----|-----|-----------|
| | | MA | NJ | PA | TSCA |
| Polyisocyanurate Foam | None | No | No | No | Yes |
| Pentane | 109-66-0 | Yes | Yes | Yes | Yes |
| Glass, oxide, chemicals | 65997-17-3 | No | No | No | 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 | Not Listed |

Section 16 - Other Information

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Last Revision Date: 11/29/2016

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