



SAFETY DATA SHEET

1. Identification

| | |
|---|--|
| Product identifier | USG® Radar™ Basic Acoustical Ceiling Panels |
| Other means of identification | |
| SDS number | 41999270001 |
| Additional Products | Radar™, Radar™ High Durability, Radar™ Illusion, Adobe™, Fifth Avenue™, Fissured™ Basic, Majestic, Olympia™ Micro™, Moonscape™, Plateau™, Sierra™, Stonehurst™ Acoustical Ceiling Panels, USG Ceilings® Kitchen Lay In Panel |
| Synonyms | Ceiling Tiles, Water Felted Mineral Fiber Ceiling Panels/Tiles |
| Recommended use | Interior use. |
| Recommended restrictions | Use in accordance with manufacturer's recommendations. |
| Manufacturer/Importer/Supplier/Distributor information | |
| Company name | USG Interiors, LLC |
| Address | 550 West Adams Street Chicago, Illinois 60661-3637 |
| Telephone | 1-800-874-4968 |
| Website | www.usg.com |
| Emergency phone number | 1-800-507-8899 |

2. Hazard(s) identification

| | | |
|-----------------------------|---|-------------------|
| Physical hazards | Not classified. | |
| Health hazards | Carcinogenicity | Category 1A |
| | Specific target organ toxicity, repeated exposure | Category 2 (Lung) |
| OSHA defined hazards | Not classified. | |
| Label elements | | |



| | |
|--|--|
| Signal word | Danger |
| Hazard statement | May cause cancer. May cause damage to organs (Lung) through prolonged or repeated exposure. |
| Precautionary statement | |
| Prevention | Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust/fume/gas/mist/vapors/spray. Wear protective gloves/protective clothing/eye protection/face protection. |
| Response | If exposed or concerned: Get medical advice/attention. |
| Storage | Store locked up. |
| Disposal | Dispose of contents/container in accordance with local/regional/national/international regulations. |
| Hazard(s) not otherwise classified (HNOC) | None known. |
| Supplemental information | None. |

3. Composition/information on ingredients

Mixtures

| Chemical name | CAS number | % |
|----------------------|-------------------|----------|
| Perlite | 93763-70-3 | > 55 |

| | | |
|------------------------------|------------|------|
| Slag wool fiber | N/A | < 55 |
| Cellulose | 9004-34-6 | < 20 |
| Limestone | 1317-65-3 | < 20 |
| Starch | 9005-25-8 | < 10 |
| Kaolin, calcined | 92704-41-1 | < 5 |
| Titanium dioxide | 13463-67-7 | < 5 |
| Calcium carbonate, synthetic | 471-34-1 | < 2 |
| Kaolinite | 1318-74-7 | < 2 |
| Silicic acid, sodium salt | 1344-09-8 | < 2 |

Impurities

| Chemical name | CAS number | % |
|-----------------------------|------------|-----|
| Crystalline silica (Quartz) | 14808-60-7 | < 4 |

Composition comments

All concentrations are in percent by weight.

Raw materials in this product contain respirable crystalline silica as an impurity. The weight percent of respirable crystalline silica found in this product is < 4%. Exposures to respirable crystalline silica during the normal use of this product must be determined by workplace hygiene testing.

Raw materials and/or coatings in this product contain small amounts of titanium dioxide, which has been classified as possibly carcinogenic to humans by the International Agency for Research on Cancer (IARC). However, per IARC "no significant exposure to primary particles of titanium dioxide is thought to occur during the use of products in which titanium dioxide is bound to other materials, such as in paints" (1). See Section 16 for further information.

4. First-aid measures

Inhalation

Dust irritates the respiratory system, and may cause coughing and difficulties in breathing. Move injured person into fresh air and keep person calm under observation. Get medical attention if symptoms persist.

Skin contact

Contact with dust: Rinse area with plenty of water. Get medical attention if irritation develops or persists.

Eye contact

Dust in the eyes: Do not rub eyes. Flush thoroughly with water. If irritation occurs, get medical assistance.

Ingestion

Rinse mouth. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and delayed

Under normal conditions of intended use, this material does not pose a risk to health. Dust may irritate throat and respiratory system and cause coughing. Prolonged exposure may cause chronic effects.

Indication of immediate medical attention and special treatment needed

Provide general supportive measures and treat symptomatically. Symptoms may be delayed.

General information

Ensure that medical personnel are aware of the material(s) involved.

5. Fire-fighting measures

Suitable extinguishing media

Use fire-extinguishing media appropriate for surrounding materials.

Unsuitable extinguishing media

Not applicable.

Specific hazards arising from the chemical

Not a fire hazard.

Special protective equipment and precautions for firefighters

Selection of respiratory protection for firefighting: follow the general fire precautions indicated in the workplace. Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire fighting equipment/instructions

Use standard firefighting procedures and consider the hazards of other involved materials.

Specific methods

Cool material exposed to heat with water spray and remove it if no risk is involved.

General fire hazards No unusual fire or explosion hazards noted.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures Avoid inhalation of dust and contact with skin and eyes. See Section 8 of the SDS for Personal Protective Equipment.

Methods and materials for containment and cleaning up No specific clean-up procedure noted. For waste disposal, see Section 13 of the SDS.

Environmental precautions Avoid discharge to drains, sewers, and other water systems.

7. Handling and storage

Precautions for safe handling Use work methods which minimize dust production. Avoid inhalation of dust and contact with skin and eyes. Wear appropriate personal protective equipment. Wash hands after handling. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

| U.S. - OSHA Components | Type | Value | Form |
|---|------|------------------------|--|
| Slag wool fiber | TWA | 5 mg/m ³ | Fiber, respirable (diameter ≤ 3.5 μm and length ≥ 10 μm) |
| | | 15 mg/m ³ | Fiber, total |
| US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053) | | | |
| Impurities | Type | Value | |
| Crystalline silica (Quartz) (CAS 14808-60-7) | TWA | 0.05 mg/m ³ | |
| US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) | | | |
| Components | Type | Value | Form |
| Cellulose (CAS 9004-34-6) | PEL | 5 mg/m ³ | Respirable fraction. |
| | | 15 mg/m ³ | Total dust. |
| Limestone (CAS 1317-65-3) | PEL | 5 mg/m ³ | Respirable fraction. |
| | | 15 mg/m ³ | Total dust. |
| Starch (CAS 9005-25-8) | PEL | 5 mg/m ³ | Respirable fraction. |
| | | 15 mg/m ³ | Total dust. |
| Titanium dioxide (CAS 13463-67-7) | PEL | 15 mg/m ³ | Total dust. |
| US. OSHA Table Z-3 (29 CFR 1910.1000) | | | |
| Components | Type | Value | Form |
| Perlite (CAS 93763-70-3) | TWA | 5 mg/m ³ | Respirable fraction. |
| | | 15 mg/m ³ | Total dust. |
| | | 50 mppcf | Total dust. |
| | | 15 mppcf | Respirable fraction. |
| Titanium dioxide (CAS 13463-67-7) | TWA | 5 mg/m ³ | Respirable fraction. |
| | | 15 mg/m ³ | Total dust. |
| | | 50 mppcf | Total dust. |
| | | 15 mppcf | Respirable fraction. |
| Impurities | Type | Value | Form |
| Crystalline silica (Quartz) (CAS 14808-60-7) | TWA | 0.1 mg/m ³ | Respirable. |
| | | 2.4 mppcf | Respirable. |

US. ACGIH Threshold Limit Values

| Components | Type | Value | Form |
|-----------------------------------|------|--------------|--|
| Cellulose (CAS 9004-34-6) | TWA | 10 mg/m3 | |
| Kaolinite (CAS 1318-74-7) | TWA | 1 mg/m3 | Respirable fraction. |
| Slag wool fiber | TWA | 1 fibers/cm3 | Fiber, respirable (length > 5 µm and aspect ratio ≥ 3:1) |
| Starch (CAS 9005-25-8) | TWA | 10 mg/m3 | |
| Titanium dioxide (CAS 13463-67-7) | TWA | 10 mg/m3 | |

| Impurities | Type | Value | Form |
|--|------|-------------|----------------------|
| Crystalline silica (Quartz) (CAS 14808-60-7) | TWA | 0.025 mg/m3 | Respirable fraction. |

US. NIOSH: Pocket Guide to Chemical Hazards

| Components | Type | Value | Form |
|--|------|--------------|--|
| Calcium carbonate, synthetic (CAS 471-34-1) | TWA | 5 mg/m3 | Respirable. |
| | | 10 mg/m3 | Total |
| Cellulose (CAS 9004-34-6) | TWA | 5 mg/m3 | Respirable. |
| | | 10 mg/m3 | Total |
| Limestone (CAS 1317-65-3) | TWA | 5 mg/m3 | Respirable. |
| | | 10 mg/m3 | Total |
| Perlite (CAS 93763-70-3) | TWA | 5 mg/m3 | Respirable. |
| | | 10 mg/m3 | Total |
| Slag wool fiber | TWA | 3 fibers/cm3 | Fibrous dust. |
| | | 3 fibers/cm3 | Fiber, respirable (diameter ≤ 3.5 µm and length ≥ 10 µm) |
| | | 5 mg/m3 | Fiber, total |
| Starch (CAS 9005-25-8) | TWA | 5 mg/m3 | Respirable. |
| | | 10 mg/m3 | Total |
| Impurities | Type | Value | Form |
| Crystalline silica (Quartz) (CAS 14808-60-7) | TWA | 0.05 mg/m3 | Respirable dust. |

Biological limit values

No biological exposure limits noted for the ingredient(s).

Exposure guidelines

Occupational exposure to nuisance dust (total and respirable) and respirable crystalline silica should be monitored and controlled.

Appropriate engineering controls

Provide sufficient ventilation for operations causing dust formation. Observe occupational exposure limits and minimize the risk of exposure. Cut and trim with a utility knife or hand saw to minimize dust levels. If a router is used it must have a dust collection system. Operations such as power cutting, power kerfing or using compressed air to remove dust are not recommended (2). See Section 16 for further information.

Individual protection measures, such as personal protective equipment**Eye/face protection**

Wear approved safety goggles.

Skin protection**Hand protection**

It is a good industrial hygiene practice to minimize skin contact. For prolonged or repeated skin contact use suitable protective gloves.

Skin protection**Other**

Normal work clothing (long sleeved shirts and long pants) is recommended.

Respiratory protection If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. Use a NIOSH/MSHA approved air purifying respirator as needed to control exposure. Consult with respirator manufacturer to determine respirator selection, use, and limitations. Use positive pressure, air-supplied respirator for uncontrolled releases or when air purifying respirator limitations may be exceeded. Follow respirator protection program requirements (OSHA 1910.134 and ANSI Z88.2) for all respirator use.

Thermal hazards None.

General hygiene considerations Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment separately from regular wash. Observe any medical surveillance requirements.

9. Physical and chemical properties

Appearance

Physical state Solid.
Form Panel.
Color White or colored surface; beige/gray core.

Odor Low to no odor.

Odor threshold Not applicable.

pH 9

Melting point/freezing point Not applicable.

Initial boiling point and boiling range Not applicable.

Flash point Not applicable.

Evaporation rate Not applicable.

Flammability (solid, gas) Not applicable.

Upper/lower flammability or explosive limits

Flammability limit - lower (%) Not applicable.

Flammability limit - upper (%) Not applicable.

Explosive limit - lower (%) Not applicable.

Explosive limit - upper (%) Not applicable.

Vapor pressure Not applicable.

Vapor density Not applicable.

Relative density 0.2 - 0.22 (H₂O=1)

Solubility(ies)

Solubility (water) Very low solubility in water.

Partition coefficient (n-octanol/water) Not applicable.

Auto-ignition temperature Not applicable.

Decomposition temperature 2000 °F (1093.3 °C) (Perlite)

Viscosity Not applicable.

Other information

Bulk density 12 - 14 lb/ft³

Explosive properties Not explosive.

Oxidizing properties Not oxidizing.

VOC 0 %

10. Stability and reactivity

Reactivity The product is stable and non reactive under normal conditions of storage and transport.

Chemical stability Material is stable under normal conditions.

Possibility of hazardous reactions Hazardous polymerization does not occur.

| | |
|---|--|
| Conditions to avoid | Contact with incompatible materials. |
| Incompatible materials | Strong oxidizing agents. |
| Hazardous decomposition products | No hazardous decomposition products are known. |

11. Toxicological information

Information on likely routes of exposure

| | |
|---------------------|---|
| Inhalation | Inhalation of dusts may cause respiratory irritation. Prolonged and repeated exposure to airborne respirable crystalline silica can cause silicosis and/or lung cancer. |
| Skin contact | May cause irritation through mechanical abrasion. |
| Eye contact | Direct contact with eyes may cause temporary irritation. |
| Ingestion | Ingestion may cause irritation and stomach discomfort. |

Symptoms related to the physical, chemical and toxicological characteristics Dust may irritate throat and respiratory system and cause coughing.

Information on toxicological effects

Acute toxicity Not expected to be acutely toxic.

| Components | Species | Test Results |
|-----------------------------------|---------|--------------------|
| Titanium dioxide (CAS 13463-67-7) | | |
| Acute | | |
| Inhalation | | |
| LC50 | Rat | 3.43 mg/l, 4 Hours |
| Oral | | |
| LD50 | Rat | > 5000 mg/kg |

Skin corrosion/irritation May cause irritation through mechanical abrasion.

Serious eye damage/eye irritation Direct contact with eyes may cause temporary irritation.

Respiratory or skin sensitization

| | |
|----------------------------------|---|
| Respiratory sensitization | No data available, but none expected. |
| Skin sensitization | This product is not expected to cause skin sensitization. |

Germ cell mutagenicity No data available, but none expected.

Carcinogenicity Repeated and prolonged exposures to high levels of respirable crystalline silica may cause cancer.

IARC Monographs. Overall Evaluation of Carcinogenicity

| | |
|--|-------------------------------------|
| Crystalline silica (Quartz) (CAS 14808-60-7) | 1 Carcinogenic to humans. |
| Titanium dioxide (CAS 13463-67-7) | 2B Possibly carcinogenic to humans. |

NTP Report on Carcinogens

| | |
|--|-------------------------------|
| Crystalline silica (Quartz) (CAS 14808-60-7) | Known To Be Human Carcinogen. |
|--|-------------------------------|

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

| | |
|--|--------|
| Crystalline silica (Quartz) (CAS 14808-60-7) | Cancer |
|--|--------|

Reproductive toxicity No data available, but none expected.

Specific target organ toxicity - single exposure No data available, but none expected.

Specific target organ toxicity - repeated exposure May damage lung tissue through repeated and prolonged exposure to high levels of respirable crystalline silica particles.

Aspiration hazard Due to the physical form of the product it is not an aspiration hazard.

Chronic effects Prolonged and routine inhalation of high levels of respirable crystalline silica particles can lead to the lung disease known as silicosis. Some studies show excess numbers of cases of scleroderma, connective tissue disorders, lupus, rheumatoid arthritis, chronic kidney diseases and end-stage kidney disease in workers exposed to respirable crystalline silica. Pre-existing skin and respiratory conditions including dermatitis, asthma and chronic lung disease might be aggravated by exposure. Occupational exposure to respirable dust and respirable crystalline silica should be monitored and controlled.

12. Ecological information

Ecotoxicity The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent releases can have a harmful or damaging effect on the environment.

| Components | Species | Test Results |
|-----------------------------------|---------|--------------------------------------|
| Titanium dioxide (CAS 13463-67-7) | | |
| Aquatic | | |
| <i>Acute</i> | | |
| Crustacea | EC50 | Daphnia magna > 100 mg/l, 48 Hours |
| Fish | LL50 | Oryzias latipes > 100 mg/l, 96 Hours |

Persistence and degradability No data is available on the degradability of this product.

Bioaccumulative potential Bioaccumulation is not expected.

Mobility in soil No data available.

Other adverse effects None expected.

13. Disposal considerations

Disposal instructions Dispose in accordance with applicable federal, state, and local regulations. Recycle responsibly.

Local disposal regulations Dispose of in accordance with local regulations.

Hazardous waste code The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Waste from residues / unused products Dispose of in accordance with local regulations.

Contaminated packaging Dispose of in accordance with local regulations.

14. Transport information

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable. This product is a solid. Therefore, bulk transport is governed by IMSBC code.

15. Regulatory information

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

| | |
|--|---|
| Crystalline silica (Quartz) (CAS 14808-60-7) | Cancer lung effects immune system effects kidney effects |
|--|---|

Toxic Substances Control Act (TSCA) All components of the mixture on the TSCA 8(b) inventory are designated "active".

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical Yes

Classified hazard categories

Carcinogenicity
Specific target organ toxicity (single or repeated exposure)

SARA 313 (TRI reporting)

Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA)

Not regulated.

US state regulations

US. Massachusetts RTK - Substance List

Cellulose (CAS 9004-34-6)
Crystalline silica (Quartz) (CAS 14808-60-7)
Limestone (CAS 1317-65-3)
Perlite (CAS 93763-70-3)
Starch (CAS 9005-25-8)
Titanium dioxide (CAS 13463-67-7)

US. New Jersey Worker and Community Right-to-Know Act

Cellulose (CAS 9004-34-6)
Crystalline silica (Quartz) (CAS 14808-60-7)
Limestone (CAS 1317-65-3)
Perlite (CAS 93763-70-3)
Titanium dioxide (CAS 13463-67-7)

US. Pennsylvania Worker and Community Right-to-Know Law

Cellulose (CAS 9004-34-6)
Crystalline silica (Quartz) (CAS 14808-60-7)
Limestone (CAS 1317-65-3)
Perlite (CAS 93763-70-3)
Starch (CAS 9005-25-8)
Titanium dioxide (CAS 13463-67-7)

US. Rhode Island RTK

Cellulose (CAS 9004-34-6)
Crystalline silica (Quartz) (CAS 14808-60-7)
Limestone (CAS 1317-65-3)
Slag wool fiber (CAS N/A)
Starch (CAS 9005-25-8)
Titanium dioxide (CAS 13463-67-7)

California Proposition 65



WARNING: This product can expose you to chemicals including Titanium dioxide, which is known to the State of California to cause cancer, and Methanol, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

California Proposition 65 - CRT: Listed date/Carcinogenic substance

| | |
|--|---------------------------|
| Acetaldehyde (CAS 75-07-0) | Listed: April 1, 1988 |
| Crystalline silica (Quartz) (CAS 14808-60-7) | Listed: October 1, 1988 |
| Formaldehyde (CAS 50-00-0) | Listed: January 1, 1988 |
| Titanium dioxide (CAS 13463-67-7) | Listed: September 2, 2011 |

California Proposition 65 - CRT: Listed date/Developmental toxin

| | |
|------------------------|------------------------|
| Methanol (CAS 67-56-1) | Listed: March 16, 2012 |
|------------------------|------------------------|

US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))

Crystalline silica (Quartz) (CAS 14808-60-7)
Titanium dioxide (CAS 13463-67-7)

International Inventories

| Country(s) or region | Inventory name | On inventory (yes/no)* |
|----------------------|-------------------------------------|------------------------|
| Canada | Domestic Substances List (DSL) | No |
| Canada | Non-Domestic Substances List (NDSL) | No |

| Country(s) or region | Inventory name | On inventory (yes/no)* |
|-----------------------------|---|------------------------|
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory | No |

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

| | |
|----------------------------|--|
| Issue date | 19-December-2014 |
| Revision date | 08-May-2019 |
| Version # | 05 |
| Further information | <p>Crystalline silica: Raw materials in this product may contain respirable crystalline silica as an impurity. 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. Industrial hygiene testing by RJ Lee Group showed that cutting with a utility knife or a router equipped with a dust collection system did not produce airborne respirable crystalline in exceedance of OSHA PELs. However, cutting with a power saw, even with a dust collection system in place, did produce some exceedances. Prolonged and repeated exposure to airborne free respirable crystalline silica can result in lung disease (i.e., silicosis) and/or lung cancer.</p> <p>Slag Wool Fiber: Large morbidity and mortality studies of both European and North American mineral wool manufacturing workers have been conducted. These studies have found no significant association of non-malignant (i.e. fibrosis) or malignant (i.e., lung cancer or mesothelioma) lung disease and exposures to slag wool fibers and have not established a causal relationship between exposure and non-malignant or malignant diseases. In 2001, the International Agency for Research on Cancer (IARC) assigned slag wool fiber to the Group 3 category ["not classifiable as to carcinogenicity to humans"]. The synthetic mineral fiber used in this product is exonerated from classification as a carcinogen in accordance with Note Q in the EU Commission Directive 97/69/EC.</p> <p>Titanium dioxide: Raw materials and/or coatings in this product contain small amounts of titanium dioxide. The International Agency for Research on Cancer (IARC) has determined that titanium dioxide is possibly carcinogenic to humans (Group 2B) based on inadequate evidence in humans and sufficient evidence in experimental animals. This conclusion relates to long-term inhalation exposure to high concentrations of pigmentary (powdered) or ultrafine titanium dioxide. However, no significant exposure to primary particles of titanium dioxide is thought to occur during the use of products in which titanium dioxide is bound to other materials, such as in paints. The available human studies do not suggest an association between occupational exposure to titanium dioxide and risk for cancer. The American Conference of Governmental Industrial Hygienists (ACGIH) has designated this chemical as not classifiable as a human carcinogen (A4). The US National Toxicology Program (NTP) has not listed this chemical in its report on carcinogens.</p> |

NFPA Ratings:
 Health: 1
 Flammability: 0
 Physical hazard: 0

NFPA Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

NFPA ratings



References

- 1.) International Agency for Research on Cancer (IARC). Volume 93: Carbon Black, Titanium Dioxide, and Talc; (5. Summary of data reported). IARC, 2010. Available at: <<http://monographs.iarc.fr/ENG/Monographs/vol93/mono93.pdf>>
- 2.) North American Insulation Manufacturer's Association (NAIMA). Working Smart with Fiber Glass, Rock Wool and Slag Wool Products. NAIMA, 2007. Available at: <<http://insulationinstitute.org/wp-content/uploads/2016/02/N059.pdf>>

Disclaimer

This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.