

1600 Gauge Radon DPM Gas Barrier

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product Name/Identifier

Novia® 1600 Gauge Radon DPM Barrier.

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

Radon gas barrier.

1.3. Details of the supplier of the safety data sheet

Premier Sealant Systems Ltd.
Mercia Way,
Foxhills Industrial Park,
Scunthorpe,
North Lincolnshire,
DN15 8RE
Tel. 01724 864 100

1.4. Emergency telephone number

NPIS (National Poisons Information Service): 0344 892 0111 (for medical professionals only). For medical advice, members of the public should contact NHS 111 in England: 111; NHS 24 in Scotland: 111; NHS Direct in Wales: 111 or 0845 4647. In Northern Ireland: contact your local GP or pharmacist. In Europe call 112.

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

In normal conditions the materials present negligible risk to health. The materials are unlikely to cause any irritation through skin contact and no noxious fumes are released at ambient temperatures.

2.2. Label elements

Not applicable.

2.3. Other hazards

In the event of fire, decomposition products may include carbon monoxide and carbon dioxide.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable.

3.2. Mixtures

Virgin grade LDPE.

4. FIRST AID MEASURES

4.1. Description of first aid measures

General information

In all cases of doubt, or if symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

Inhalation:

Should not occur during normal use.

Ingestion:

Rinse mouth and consult doctor. Low toxicity.

Skin contact:

When burning will melt and can adhere to skin. Do not remove melted material-flush with cold water. Cover burns with sterile dressing and obtain medical advice. Isolated cases of dermic symptoms have been associated with handling plastic films, which have been attributed to very rare forms of allergy.

Eye contact:

Flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

4.2. Most important symptoms and effects, both acute and delayed

There may be a minor health risk from prolonged inhalation following combustion and substantial burning. The major products are carbon dioxide, water, carbon monoxide and smoke particles. Symptoms may be nausea, dizziness or breathing difficulties. Any person affected should be moved to fresh air, and if necessary medical attention provided.

Inhalation

There may be a minor health risk from prolonged inhalation following combustion and substantial burning. Symptoms may be nausea, dizziness or breathing difficulties.

Ingestion

No specific data.

Skin contact

No specific data.

Eye contact

No specific data.

4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor

None known.

Specific treatments

Treat symptomatically.

5. FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media

Use fire extinguishers suitable for surrounding fire.

Unsuitable extinguishing media

None known.

5.2. Special hazards arising from the substance or mixture

Specific hazards

Material is combustible. During combustion particular danger arises of burning drops. When burning will melt and can adhere to skin. There may be a minor health risk from prolonged inhalation following combustion and substantial burning. The major products are.

Hazardous combustion products

Carbon dioxide, water, carbon monoxide and smoke particles.

5.3. Advice for firefighters

Special protective equipment for firefighters

Wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions

No action shall be taken involving any personal risk or without suitable training. Put on appropriate personal protective equipment.

6.2. Environmental precautions

Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

6.3. Methods and material for containment and cleaning up

Can be cleaned by any acceptable method.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Usage precautions

This product is considered to be an article, which does not release or otherwise result in exposure to a hazardous chemical under normal use conditions. If surfaces become wet it may be slippery.

Advice on general occupational hygiene

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See Section 8 for additional information on hygiene measures.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions

None known.

Storage class

Not classified.

7.3. Specific end use(s)

Not available

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits

Not applicable.

8.2. Exposure controls

Appropriate engineering controls

Provide adequate ventilation.

Eye/face protection

If dust is generated during processing protective glasses with side protection are recommended.

Hand protection

Only in cases of skin allergies are soft cotton gloves are recommended.

Other skin and body protection

Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Hygiene measures

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Respiratory protection

In case of dust formation, wearing an EN 149 FFP2 approved mask is recommended.

Environmental exposure controls

Not applicable.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Plastic thin sheets in logs
Colour	Green
Odour	None
Odour threshold	Not available
pH	Not available
Melting point	115°C-150°C
Initial boiling point and range	Not available
Flash point	Not available
Evaporation rate	Not available
Evaporation factor	Not available
Flammability (solid, gas)	Not available
Upper/lower flammability or explosive limits	Not available
Vapour pressure	Not available
Vapour density	Not available
Relative density	Not available
Bulk density	Not available
Solubility(ies)	Not soluble in water
Partition coefficient	Not available
Auto-ignition temperature	Not available
Decomposition Temperature	>300 °C
Viscosity	Not available
Explosive properties	Not available
Oxidising properties	Not available

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9.2. Other information

Not available.

10. STABILITY AND REACTIVITY

10.1. Reactivity

No specific test data available.

10.2. Chemical stability

The product is stable during normal storage and use conditions.

10.3. Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid

None known.

10.4. Incompatible materials

None known.

10.5. Hazardous decomposition products

During slow or incomplete combustion some toxic gases may be emitted containing carbon monoxide and carbon dioxide.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity

Conclusion/Summary

Based on available data, the classification criteria are not met.

Acute toxicity estimates

Based on available data, the classification criteria are not met.

Irritation/Corrosion

Conclusion/Summary

Skin

Not applicable.

Eyes

Slightly irritating due to solid form but composition not known to injure eye tissue.

Respiratory

Based on available data, the classification criteria are not met at ambient temperatures.

Oral:

Not applicable.

Sensitisation

Conclusion/Summary

Skin

Based on available data, the classification criteria are not met.

Respiratory

Based on available data, the classification criteria are not met.

Mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Based on available data, the classification criteria are not met.

Reproductive toxicity

Based on available data, the classification criteria are not met.

Teratogenicity

Conclusion/Summary

Based on available data, the classification criteria are not met.

Specific target organ toxicity (single exposure)

Based on available data, the classification criteria are not met.

Specific target organ toxicity (repeated exposure)

Aspiration hazard

Not available

Information on likely routes of exposure

Not applicable.

12. ECOLOGICAL INFORMATION

12.1. Persistence and degradability

Not biodegradable..

12.2. Bioaccumulative potential

No data available.

12.3. Mobility in soil

No data available.

12.4. Results of PBT and vPvB assessment

No information available.

12.5. Other adverse effects

The information given is based on data available for the material, the components of the material, and similar materials. Not expected to be harmful to aquatic organisms, not expected to demonstrate chronic toxicity to aquatic organisms.

13.DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

13.2. Disposal methods

Can be disposed of at approved landfill sites and is recyclable.

13.3. Waste class

None known.

14.TRANSPORT INFORMATION

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Not applicable.

14.4. Packing group

Not applicable.

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14.5. Environmental hazards

Not classified.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Not applicable.

15. REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Not listed.

15.2. Chemical safety assessment

Not applicable.

16. OTHER INFORMATION

Revision comments

Revision date

25/03/2024

Revision

2

Supersedes date

09/11/2022

SDS status

Approved.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.