



GRM-50 NL Granulate

Date : January 2020

Version : 1

SAFETY DATA SHEET

GRM-50 NL

This Safety Data Sheet contains information concerning to potential risks to those involved in handling, transporting and working with the material, as well as describing potential risks to the consumer and the environment. This information must be made available to those who may come into contact with the material or are responsible for the use of het material. This Safety Data Sheet is prepared in accordance with formatting described in the REACH Regulation (EC) No 1907/2006, and described in CLP Regulation (EC) No 1272/2008.

SECTION 1:

Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Bituminous Roofing Membranes Granulate (GRM-50 NL)

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

GRM 50 NL

1.3 Details of the supplier of the safety data sheet

BituRec BV

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5815 CX MERSELO

The Netherlands

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Metaalweg 14

5804 CG VENRAY

The Netherlands

1.4 Emergency telephone number

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SECTION 2 : Hazards Identification

2.1 Classification of the substance of mixture

Classification in accordance with the Dangerous Preparations Directive 1999/45/EC

The product is a granulate, therefore no classification is required.

Classification in accordance with the Classification Labelling and Packaging Regulation EC (no)) 1272/2008



The product is a granulate, therefore no classification is required.

2.2 Label elements

Labelling in accordance with the Classification Labelling and Packaging Regulation EC (no) 1272/2008

None required.

2.3 Other hazards

Under normal conditions of use, this product is not expected to create any unusual emergency hazards. Due to product form, exposure to dusts and fumes is not expected to occur.

SECTION 3: Composition / Information on Ingredients

3.1 Substances

Not applicable, product is a granulate.

3.2 Mixtures

The products are not mixtures under the CLP Regulation (EC) No 1272/2008, but are considered to be granulates. The products in the range consist of a reinforcing base material coated with bitumen and a surface finish. The base materials include polyester, glass/polyester and glass fibres in sheet form. The bitumen may contain mineral filler and/or synthetic polymers. The fire performance cap sheets have an inert graphite coating on the upper surface of the base carrier and the fire performance vapour control layers have a fire retardant modified bitumen coating. The surface finish may be sand, talc, mineral granules or polymeric film.

SECTION 4: First Aid Measures

4.1 Description of first aid measures

EYE CONTACT: For contact with cold material, e.g. small particles, wash thoroughly with water and obtain medical attention if signs of discomfort persist.

In case of contact with hot material, flood eye with copious quantities of cold water for 10-15 minutes. Do not try to remove material adhering to the eye. Cover the burn area loosely with sterile dressing, if available. Seek immediate medical attention.

SKIN CONTACT: For contact with hot material, cool the affected area under cold running water for at least 10 minutes. Do not attempt to remove anything from the burn area or apply burn creams or ointments. Material adhering to skin will form a sterile barrier which will fall off after a few days. Cover the burn area loosely with a sterile dressing, if available. Seek immediate medical attention.

INHALATION: In case of inhalation of fumes, remove from exposure. If breathing becomes difficult seek medical assistance.

INGESTION: If swallowed, rinse mouth with water.

4.2 Most important symptoms and effects, both acute and delayed

Eyes: Particulates produced from cutting, grinding of drilling of the product may cause mechanical irritation of the eye. Hot melt products may cause thermal burns.

Skin: This product may produce skin abrasions. Mechanical rubbing may increase skin irritation. Hot melt products may cause thermal burns.

Ingestion: Not a likely route of entry.

Inhalation: Inhalation of dusts produced during cutting, grinding of sanding of this product or fumes from hot melt products may cause irritation of the mouth, hand, nose and coughing.

4.3 Indication of any immediate medical attention and special treatments needed

Symptomatic treatment as required.

SECTION 5: Firefighting Measures

5.1 Extinguishing media

Use any media suitable for the surrounding fires. Water, spray, fog, carbon dioxide (CO₂), dry chemical, foam.

5.2 Special hazards arising from the substance of mixture

Standard bitumen based roofing membranes are combustible and release dense black smoke when they burn. Fire performance membranes cap sheets have an inert graphite coating on the upper surface of the base carrier, which when installed produces a significant reduction in the capacity of the product to burn and reduces smoke emission in a fire situation,

5.3 Advice for fire fighters

Firefighters should wear full-face, self-contained breathing apparatus and impervious protective clothing. Firefighters should avoid inhaling any combustion products. Do not release chemically contaminated water into drains, soil or surface water.

SECTION 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

None usually necessary. If there are significant quantities of dust/shavings wear safety glasses with side-shields or safety goggles and gloves.

6.2 Environmental precautions

None usually necessary

6.3 Methods and materials for containment and clearing up

Sweep up or gather material and place in appropriate container for disposal.

6.4 References to other sections

See sections 8 and 13 for further advice on protective clothing and disposal.



SECTION 7: Handling and Storage

7.1 Precautions for safe handling

Customary personal hygiene measures, such as washing hands after working with these products are recommended. If dusts or fumes of this product are generated, avoid inhalation, skin and eye contact.

7.2 Conditions for safe storage, including any incompatibilities

Room temperature – normal conditions. Warehouse storage should be in accordance with package directions. Material should be kept dry.

7.3 Specific end uses(s)

No special requirements.

SECTION 8: Exposure Controls/Personal Protection

8.1 Control parameters

No specific exposure limits available.

If process generated dusts or fumes are likely, follow workplace regulatory exposure limits for relevant hazards (e.g. total dust, respirable dust, silica, talc, asphalt fume). See Annex 1 for further information.

8.2 Exposure controls

Engineering Controls: No special protective measures are necessary for use of this product in that it is a granulate, and under normal conditions of use is not expected to release, or otherwise result in exposure to a hazardous chemical. If cutting, grinding, drilling, etc. ensure that there is adequate ventilation to keep dust levels within required limits.

Personal Protective Equipment:

Eyes/Face: Where there is a risk of damage to the eyes/face from splashing of hot product or impact, wear eye/face protection to EN166

Skin: The use of heavy duty gloves to protect against skin abrasion and burns through contact with hot bitumen or flame of gas torch during installation is recommended.

Respiratory: Not required under normal conditions of use. If dust or fumes are generated, wear appropriate respiratory protection.

Environmental Exposure Controls: Not usually required.

SECTION 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance	:	Grey - Black toned solid material.
Odour	:	None

Odour threshold	:	Not Applicable
pH	:	Not Applicable
Boiling Point	:	Not Applicable
Melting Point	:	Not Applicable
Flash Point	:	Not Applicable
Evaporation rate	:	Not Applicable
Flammability (gas, solids)	:	Standard bitumen based roofing membranes Granulate is combustible. Fire performance membranes have a significantly reduced capacity to burn
Upper/lower flammability limits	:	Not applicable
Vapour Pressure	:	Not Applicable
Vapour Density	:	Not Applicable
Specific Gravity	:	Not Applicable
Solubility (H ₂ O)	:	Not soluble
Solubility in other solvents	:	Not Applicable
Auto Ignition Temp.	:	No data
Decomposition temperature	:	No data
Viscosity	:	Not Applicable
Explosive properties	:	Not classified as explosive
Oxidising properties	:	Not classified as oxidising

9.2 Other information

None

SECTION 10: Chemical Stability and Reactivity

10.1 Reactivity

Not considered a reactive material

10.2 Chemical stability

Stable under normal conditions

10.3 Possibility of hazardous reactions

None expected

10.4 Conditions to avoid

None identified

10.6 Hazardous decomposition products

Bitumen fumes and dense black smoke is heated tot excessive temperatures.

SECTION 11: Toxicological Information

11.1 Information on toxicological effects

This product has not been tested. Judgements on the expected toxicity of this product have been made based upon consideration of its major components.

- (a) Acute toxicity
Not expected to present an acute toxicity hazard. Inhalation of fumes may result in irritation, especially if the product is overheated above recommended temperatures
- (b) Skin corrosion/irritation
Mechanical abrasion may occur in contact with skin. Thermal burns when handled at elevated temperatures
- (c) Serious eye damage/irritation
Not expected to present a hazard to the eyes.
Mechanical irritation may occur in contact with particles. Thermal burns when handled at elevated temperatures.
- (d) Respiratory/skin sensitisation
Not considered to be a skin or respiratory sensitiser
- (e) Germ cell mutagenicity
Contains no components known to be mutagenic
- (f) Carcinogenicity
Bitumen may contain substances including polycyclic aromatic hydrocarbons (PAHs), some types of which have been associated with cancer. However, long-term studies of bitumen and asphalt workers have not demonstrated any increased cancer risk from the use of these products, and bitumen has been classified by IARC as Group 3, Not classifiable as to its carcinogenicity to humans
- (g) Reproductive toxicity
Contains no components known to be hazardous to reproduction
- (h) STOT-single exposure
For Torch-on grades, inhalation of fume may result in irritation, especially if the product is overheated above recommended temperatures
- (i) STOT-repeated exposure
No chronic health effects are expected from the normal use of this product
- (j) Aspiration hazard Not relevant

SECTION 12: Ecological Information

This product has not been tested. Judgements on the expected toxicity of this product have been made based upon consideration of its major components.

12.1 Toxicity

Not expected to be toxic to the environment

12.2 Persistence and degradability

Not expected to be biodegradable



12.3 Bio accumulative potential

Not expected to bio accumulate

12.4 Mobility in soil

Not expected to be mobile in the environment

12.5 Results of PBT and vPvB assessment

Not applicable

12.6 Other adverse effects

None known

SECTION 13: Disposal Considerations

13.1 Waste treatment methods

Dispose of in accordance with local regulations

SECTION 14: Transport Information

Not considered to be dangerous goods for transport

SECTION 15: Regulatory Information

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

All components are listed as existing substances in Europe

15.2 Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out for this product

SECTION 16: Other Information

Other information:

This safety data sheet is prepared in accordance with the formatting subscribed in Commission Regulation (EU) NO 453/2010

List of Abbreviations used in this SDS:

CAS	Chemical Abstracts Service
CLP	Classification, Labelling and Packaging Regulation (EC) no 1272/2008
DSD	Dangerous Substances Directive 67/548/EEC
DPD	Dangerous Preparations Directive 1999/45/EC
EC	European Community/Commission
PBT	Persistent, Bio accumulative and Toxic
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC)



vPvB no 1907/2006
 Very Persistent, very Bio accumulative

Disclaimer

Supplier gives no warranty of merchantability or of fitness for a particular purpose. Any product purchased is sold on the assumption the purchaser will make his own tests to determine the quality and suitability of the product. Supplier expressly disclaims any and all liability for incidental and/or consequential property damage arising out of the use of this product. No information provided shall be deemed to be an recommendation to use any product in conflict with any existing patent rights. Read the Material Safety Data Sheet before handling product

Legal disclaimer

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product