

Safety Data Sheet

Based upon Regulation (EC) No. 1907/2006, as amended by Regulation (EC) No. 453/2010

Material Name: RubberGard EPDM Series
MSDS Established date: 2010-11-23

FS-021

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

1.1 Product Identifier: RubberGard® EPDM Series

Synonyms: Low slope fire retardant (LSFR, LSFR NO FOLD, LSFR 1/FOLD, PT3 LSFR 1/FOLD, LSFR EXPORT, LSFR SPL.), Seamless, Reinforced fire retardant – RubberGard® MAX FR (FRMAX), Reinforced standard – RubberGard® MAX (MAX SR), Unreinforced fire retardant (FR), Unreinforced standard,

CAS No. : N.A.

EC index No. : N.A.

EINECS No. : N.A.

RTECS No. : N.A.

NFPA code : 1-1-0

Molecular weight : N.A.

Formula : N.A.

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

1.2.1 Relevant identified uses

Construction: sealing compound

1.2.2 Uses advised against

1.3 Details of the supplier of the safety data sheet:

Firestone Building Products

Ikaroslaan 75

B-1930 Zaventem

Tel. : +32 2 711 44 50

Fax : +32 2 721 27 18

Email: info@fbpe.be

1.4 Emergency Telephone Number:

+32 70 245 245

Poison Centre

p/a Militair Hospitaal Koningin Astrid, Bruynstraat 1, B-1120 Brussel

2. Hazardous Identification

2.1 Classification of the substance or mixture

No hazard classification in accordance with directives 67/548/EEC and 1999/45/EC

2.2 Label elements :

-

2.3 Other Hazards:

-

3. Composition/Information on Ingredients

CAS	EC-No	Component	Classification according to Regulation (EC) No		Pre-Registration No. (REACH)	%
			67/548/EEC (DSD)	1272/2008 (CLP)		
None	-	-	-	-	-	-

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4. First Aid Measures

4.1 Description of first aid measures

Inhalation:

- Consult a doctor/medical service if breathing problems develop
- Remove the victim into fresh air
- Unconscious: maintain adequate airway and respiration

Skin

- Consult a doctor/medical service if irritation persists
- Rinse with water

Eyes

- Consult a doctor/medical service if irritation persists
- Rinse immediately with water

Ingestion

- Consult a doctor/medical service if you feel unwell
- Not applicable

4.2 Most important symptoms and effects, both acute and delayed

-

4.3 Indication of any immediate medical attention and special treatment needed

-

5. Fire-Fighting Measures

See Section 9 for Flammability Properties

5.1 Extinguishing Media

- Sand/Earth
- Polyvalent Foam
- ABC powder
- Carbon dioxide

5.2 Special hazards arising from the substances or mixture

- On burning: release of toxic and corrosive gases/vapours (nitrous vapours, sulphur oxides, carbon monoxide - carbon dioxide)

5.3 Advice for Firefighters

- Dilute toxic gases with water spray
- Heat/fire exposure: compressed air/oxygen apparatus
- Protective clothing for exposure to chemicals

6. Accidental Release Measures

6.1 Personal Precautions, protective equipment and emergency procedures

Respiratory protection:

- Respiratory protection not required under normal conditions

Hand protection:

- Gloves

Suitable materials: No data available

Breakthrough time: N.D.

Eye protection:

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- Protective goggles

Skin protection:

- Protective clothing

Suitable materials: No data available

6.2 Environmental Precautions

- None known

6.3 Methods and material for containment and cleaning up

- Pick up the material
- Clean contaminated surfaces with an excess of water
- Wash clothing and equipment after handling

6.4 Reference to other sections

7. Handling and Storage

7.1 Precautions for safe handling

- Observe normal hygiene standards

7.2 Conditions for safe storage, including an incompatibilities

- Store in a dry area
- Keep container in a well-ventilated place
- Meet the legal requirements
- Keep away from: heat sources

Storage temperature: N.D. °C

Quantity limits: N.D. kg

Storage life: N.D.. days

Materials for packaging:

- Suitable : polyethylen
- To avoid : no data available

7.3 Specific end use(s):

- See information supplied by the manufacturer

8. Exposure Controls/Personal Protection

8.1 Control parameters:

Exposure limits have not been developed for one or more of this product's components

Sampling Methods:

- No data available

8.2 Exposure controls

- No data available

Ventilation/Engineering Controls

Personal protective equipment

Eyes/Face Protection

- Protective goggles

Hand Protection

- Gloves

Skin Protection

- Protective clothing

Suitable materials: no data available

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Respiratory Protection

- Respiratory protection not required under normal conditions

Thermal Hazards

-

8.3 Environmental exposure controls

- See heading 13

9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance:	Solid, Black	Physical Form:	Solid
Odour:	Odourless	Odour Threshold:	Not available
pH:	Not available	Melting/Freezing Point:	Not available
Decomposition Temperature:	Not available	Relative Density:	Not available
Initial Boiling Point:	Not available	Viscosity:	Not available
Evaporation Rate:	Not available	Vapour Pressure:	Not available
Vapour Density (air = 1):	Not available	Density:	Not available
Oxidizing Properties:	Not available	Bulk Density:	Not available
Water Solubility:	Insoluble	Coeff. Water/Oil Dist:	Not available
Partition Coefficient:	Not available	Flash Point:	Not available
Explosive Properties:	Not available	Upper Explosive Limit:	Not available
Autoignition Temperature:	Not available	Lower Explosive Limit:	Not available

9.2 Other information

10. Stability and Reactivity

10.1 Reactivity

- Stable under normal conditions

10.2 Chemical stability

- Stable under normal conditions

10.3 Possibility of hazardous reactions

-

10.4 Conditions to avoid

- Keep away from: heat sources

10.5 Incompatible materials

-

10.6 Hazardous decomposition products

- On burning: release of toxic and corrosive gases/vapours (nitrous vapours, sulphur oxides, carbon monoxide - carbon dioxide)

11. Toxicological Information

Acute and Chronic Toxicity

Component Analysis - LD50/LC50

The components of this material have been reviewed in various sources and the following selected endpoints are published:

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Acute Toxicity

Oral LD50 rat	N.D.	mg/kg
Dermal LD50 rat	N.D.	mg/kg
Dermal LD50 rabbit	N.D.	mg/kg
Inhalation LC50 rat	N.D.	mg/l/4 h
Inhalation LC50 rat	N.D.	ppm/4 h

Chronic Toxicity

EC carc. cat. : not listed
EC muta. cat. : not listed
EC repr. cat. : not listed
Carcinogenicity (TLV) : not listed
Carcinogenicity (MAC) : not listed
Carcinogenicity (VME) : not listed
Carcinogenicity (GWBB) : not listed
Carcinogenicity (MAK) : not listed
Mutagenicity (MAK) : not listed
Teratogenicity (MAK) : not listed
IARC classification : not listed

Skin Corrosion/Irritation

Serious Eye Damage/Irritation

Respiratory or Skin Sensitisation:-

Germ Cell Mutagenicity:-

Carcinogenicity: -

Component Carcinogenicity: -

Component Name:-

ACGIH:-

IARC:-

Reproductive Toxicity:-

Specific Target Organ Toxicity - Single Exposure:-

Specific Target Organ Toxicity - Repeated Exposure:-

Aspiration Hazard:-

Medical Conditions Aggravated by Exposure:-

Other Information

Chronic effects::

- Not listed in carcinogenicity class (IARC,EC,TLV,MAK)
- Not listed in mutagenicity class (EC,MAK)
- Not classified as toxic to reproduction (EC)

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12. Ecological Information

- 12.1 Toxicity:**
- No data available
- 12.2 Persistence and degradability**
- biodegradation BOD5 : N.D. % ThOD
- water : - No data available
- soil : T ½: N.D. days
- 12.3 Bioaccumulative potential**
- log Pow : N.D.
- BCF : N.D.
- 12.4 Mobility in soil**
- Volatile organic compounds (VOC): N.D. %
- Insoluble in water
- For other physicochemical properties see heading 9
- 12.5 Results of PBT and vPvB assessment**
-
- 12.6 Other adverse effects**
- **WGK** : No data available
- **Effect on the ozone layer** : Not dangerous for the ozone layer (1999/45/EC)
- **Greenhouse effect** : no data available
- **Effect on waste water purification** : no data available

13. Disposal Considerations

- 13.1 Waste treatment methods**
- Waste material code (75/442/EEC, Council Decision 2001/118/EC, O.J. L47 of 16/2/2001): 17 09 04 (mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03)
- 13.2 Disposal methods**
- Remove to an authorized waste treatment plant
- 13.3 Packaging/Container**
- Waste material code packaging (75/442/EEC, Council Decision 2001/118/EC, O.J. L47 of 16/2/2001): 15 01 02 (plastic packaging)

14. Transport Information

- 14.1 Classification of the substance in compliance with UN Recommendations**
UN number : Not Subject
CLASS :
SUB RISKS :
PACKING :
PROPER SHIPPING NAME :
- 14.2 ADR (transport by road)** Not Subject
CLASS :
PACKING :
CLASSIFICATION CODE :
DANGER LABEL TANKS :

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- DANGER LABEL PACKAGES :**
- 14.3 RID (transport by rail) **Not Subject**
CLASS :
PACKING :
CLASSIFICATION CODE :
- DANGER LABEL TANKS :**
- 14.4 ADNR (transport by inland waterways) **Not Subject**
CLASS :
PACKING :
CLASSIFICATION CODE :
DANGER LABEL TANKS :
DANGER LABEL PACKAGES :
- 14.5 IMDG (maritime transport) **Not Subject**
CLASS :
SUB RISKS :
PACKING :
MFAG :
EMS :
MARINE POLLUTANT :
- 14.6 ICAO (air transport) **Not Subject**
CLASS :
SUB RISKS :
PACKING :
PACKING INSTRUCTIONS PASSENGER AIRCRAFT :
PACKING INSTRUCTIONS CARGO AIRCRAFT :
- 14.7 **Special precautions in connection with transport**
None
- 14.8 **Limited quantities (LQ) :**
None

15. Regulatory Information

- 15.1 **Safety, health and environmental regulations/legislation specific for the substance or mixture**
Classification according to directives 67/548/EEC and 1999/45/EC:
NOT APPLICABLE
- 15.2 **Chemical Safety Assessment Information**

16. Other Information

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

N.A. = NOT APPLICABLE
N.D. = NOT DETERMINED
(*) = INTERNAL CLASSIFICATION (NFPA)

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Exposure limits:

TLV : Threshold Limit Value - ACGIH USA
OES : Occupational Exposure Standards - United Kingdom
MEL : Maximum Exposure Limits - United Kingdom
MAK : Maximale Arbeitsplatzkonzentrationen - Germany
TRK : Technische Richtkonzentrationen - Germany
MAC : Maximale aanvaarde concentratie - The Netherlands
VME : Valeurs limites de Moyenne d'Exposition - France
VLE : Valeurs limites d'Exposition à court terme - France
GWBB : Grenswaarde beroepsmatige blootstelling - Belgium
GWK : Grenswaarde kortstondige blootstelling - Belgium
EC : Indicative occupational exposure limit values - directive 2000/39/EC

I : Inhalable fraction = **T**: Total dust = **E**: Einatembare Aerosolanteil
R : Respirable fraction = **A**: Alveolengängiger Aerosolanteil/Alveolar dust
C : Ceiling limit
a: aerosol **r**: rook/Rauch (fume)
d: damp (vapour) **st**: stof/Staub (dust)
du: dust **ve**: vezel (fibre)
fa: Faser (fibre) **va**: vapour
fi: fibre **om**: oil mist
fu: fume **on**: olienevel/Ölnebel (oil mist)
p: poussière (dust) **part**: particles

Chronic toxicity:

K : List of the carcinogenic substances and processes - The Netherlands