

**Safety Data Sheet**

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations  
Issue date: 9/5/2024 Version: 1.0

**SECTION 1: Identification**

**1.1. Identification**

Product form : Article  
Product name : MAXTERRA™ MgO FIRE-AND WATER-RESISTANT UNDERLAYMENT  
Other means of identification : ESR 5192

**1.2. Recommended use and restrictions on use**

Recommended use : Floor underlayment for residential and commercial construction.  
Restrictions on use : No data available

**1.3. Supplier**

NEXGEN Building Products, LLC  
1904 Manatee Avenue West #300  
Bradenton, FL 34205  
USA  
T (727) 620-3334

**1.4. Emergency telephone number**

Emergency number : (727) 620-3334

**SECTION 2: Hazard(s) identification**

**2.1. Classification of the substance or mixture**

**GHS US classification**

Not classified

**2.2. GHS Label elements, including precautionary statements**

**GHS US labeling**

No labeling applicable

**2.3. Other hazards which do not result in classification**

No additional information available

**2.4. Unknown acute toxicity (GHS US)**

No additional information available

**SECTION 3: Composition/Information on ingredients**

**3.1. Substances**

Not applicable

# MAXTERRA™ MgO FIRE-AND WATER-RESISTANT UNDERLAYMENT

## Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### 3.2. Mixtures

| Name                    | Product identifier     | Conc. (% w/w) |
|-------------------------|------------------------|---------------|
| Magnesium oxide         | CAS-No.: 1309-48-4     | 15-40         |
| Magnesium sulfate (1:1) | CAS-No.: 7487-88-9     | 10-30         |
| Water                   | CAS-No.: 7732-18-5     | 10-30         |
| Wood Fiber              | CAS-No.: Not available | 5-10          |
| Glass, oxide            | CAS-No.: 65997-17-3    | 1-5           |
| Pumice                  | CAS-No.: 1332-09-8     | 1-5           |
| Proprietary ingredient* | CAS-No.: Trade Secret  | 1-5           |
| Phosphate               | CAS-No.: 14265-44-2    | 0.5-1.5       |
| Perlite                 | CAS-No.: 130885-09-5   | <0.1          |
| Pigment                 | CAS-No.: Not available | <0.1          |

\*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

Full text of hazard classes and H-statements : see section 16

## SECTION 4: First-aid measures

### 4.1. Description of first aid measures

|                                       |  |
|---------------------------------------|--|
| First-aid measures after inhalation   | : In the event of exposure to high concentrations of dust : Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a poison center or a doctor. |
| First-aid measures after skin contact | : No adverse effects expected. Wash skin with plenty of water. If skin irritation or rash occurs: Get medical advice/attention.  |
| First-aid measures after eye contact  | : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.                   |
| First-aid measures after ingestion    | : Call a poison center/doctor/physician if you feel unwell. Rinse mouth.   |

### 4.2. Most important symptoms and effects (acute and delayed)

|                                     |  |
|-------------------------------------|--|
| Symptoms/effects after inhalation   | : In the event of exposure to high concentrations of dust : May cause respiratory irritation. May cause an allergy or asthma symptoms or breathing difficulties if inhaled. Wood dust may cause nasopharyngeal cancer and/or cancer of the nasal cavities and paranasal sinuses by inhalation. |
| Symptoms/effects after skin contact | : No adverse effects expected. Dust may cause irritation in skin folds or by contact in combination with tight clothing. Repeated or prolonged contact may cause allergic reactions in very susceptible persons.   |
| Symptoms/effects after eye contact  | : In the event of exposure to high concentrations of dust : May cause eye irritation.  |
| Symptoms/effects after ingestion    | : Possible irritation of mucous membranes and digestive tract, nausea, vomiting.   |

### 4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

## SECTION 5: Fire-fighting measures

### 5.1. Suitable (and unsuitable) extinguishing media

|                                |   |
|--------------------------------|---|
| Suitable extinguishing media   | : Use extinguishing media appropriate for surrounding fire. |
| Unsuitable extinguishing media | : No data available.  |

# MAXTERRA™ MgO FIRE-AND WATER-RESISTANT UNDERLAYMENT

## Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### 5.2. Specific hazards arising from the chemical

Fire hazard : Not flammable.

### 5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Ensure adequate ventilation. Avoid creating or spreading dust.

#### 6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Avoid contact with skin, eyes and clothing. Do not breathe dust.

#### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

### 6.2. Environmental precautions

Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Minimize airborne dust generation and prevent wind dispersal during loading and unloading. Collect all waste in suitable and labeled containers and dispose according to local legislation.

Other information : Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Additional hazards when processed : Minimize airborne dust generation and prevent wind dispersal during loading and unloading.

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment. Do not breathe dust.

Hygiene measures : Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Magnesium oxide (1309-48-4)

#### USA - ACGIH - Occupational Exposure Limits

|            |                 |
|------------|-----------------|
| Local name | Magnesium oxide |
|------------|-----------------|

# MAXTERRA™ MgO FIRE-AND WATER-RESISTANT UNDERLAYMENT

## Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

| <b>Magnesium oxide (1309-48-4)</b>                |   |
|---|---|
| ACGIH OEL TWA                                     | 10 mg/m <sup>3</sup> (I - Inhalable particulate matter)   |
| Remark (ACGIH)                                    | TLV® Basis: URT; metal fume fever. Notations: A4 (Not classifiable as a Human Carcinogen)   |
| Regulatory reference                              | ACGIH 2023  |
| <b>USA - OSHA - Occupational Exposure Limits</b>  |   |
| Local name  | Magnesium oxide fume - Total Particulate  |
| OSHA PEL TWA                                      | 15 mg/m <sup>3</sup>  |
| Regulatory reference (US-OSHA)                    | OSHA Annotated Table Z-1  |
| <b>Glass, oxide (65997-17-3)</b>                  |   |
| <b>USA - ACGIH - Occupational Exposure Limits</b> |   |
| Local name  | Synthetic vitreous fibers - Continuous filament glass fibers  |
| ACGIH OEL TWA                                     | 5 mg/m <sup>3</sup> (I - Inhalable particulate matter)<br>1 fibers/cm <sup>3</sup> (F - Respirable fibers)  |
| Remark (ACGIH)                                    | TLV® Basis: URT irr. Notations: A4 (Not classifiable as a Human Carcinogen)   |
| Regulatory reference                              | ACGIH 2024  |
| <b>Wood Fiber</b>                                 |   |
| <b>USA - ACGIH - Occupational Exposure Limits</b> |   |
| Local name  | Wood dusts All other species  |
| ACGIH OEL TWA                                     | 1 mg/m <sup>3</sup> (I - Inhalable particulate matter)  |
| Remark (ACGIH)                                    | TLV® Basis: Pulm func; URT & LRT irr. Notations: Oak and beech = A1 (Confirmed Human Carcinogen); Birch, mahogany, teak, walnut = A2 (Suspected Human Carcinogen); All other wood dusts = A4 (Not classifiable as a Human Carcinogen) |
| Regulatory reference                              | ACGIH 2024  |

### 8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.  
Environmental exposure controls : Avoid release to the environment.

### 8.3. Individual protection measures/Personal protective equipment

|   |
|---|
| <b>Hand protection:</b>   |
| Protective gloves   |
| <b>Eye protection:</b>  |
| Safety glasses  |
| <b>Skin and body protection:</b>  |
| Wear suitable protective clothing   |
| <b>Respiratory protection:</b>  |
| In case of insufficient ventilation, wear suitable respiratory equipment. Wear a mask |

# MAXTERRA™ MgO FIRE-AND WATER-RESISTANT UNDERLAYMENT

## Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### Personal protective equipment symbol(s):



## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|   |                              |
|---|------------------------------|
| Physical state                                  | : Solid                      |
| Appearance                                      | : Solid panel                |
| Color   | : Various colours            |
| Odor  | : Odorless                   |
| Odor threshold                                  | : No data available          |
| pH  | : Not applicable             |
| Melting point                                   | : No data available          |
| Freezing point                                  | : Not applicable             |
| Boiling point                                   | : Not applicable             |
| Flash point                                     | : Not applicable             |
| Relative evaporation rate (butyl acetate=1)     | : Not applicable             |
| Flammability (solid, gas)                       | : Not flammable              |
| Vapor pressure                                  | : Not applicable             |
| Relative vapor density at 20°C                  | : Not applicable             |
| Relative density                                | : No data available          |
| Solubility                                      | : Not soluble in water alone |
| Partition coefficient n-octanol/water (Log Pow) | : No data available          |
| Auto-ignition temperature                       | : No data available          |
| Decomposition temperature                       | : No data available          |
| Viscosity, kinematic                            | : Not applicable             |
| Viscosity, dynamic                              | : Not applicable             |
| Explosion limits                                | : No data available          |
| Explosive properties                            | : Not explosive              |
| Oxidizing properties                            | : Not oxidising              |

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

Avoid creating or spreading dust.

# MAXTERRA™ MgO FIRE-AND WATER-RESISTANT UNDERLAYMENT

## Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### 10.5. Incompatible materials

Strong acids.

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified  
Acute toxicity (dermal) : Not classified  
Acute toxicity (inhalation) : Not classified

#### Magnesium oxide (1309-48-4)

|               |            |
|---------------|------------|
| LD50 oral rat | 3990 mg/kg |
|---------------|------------|

#### Magnesium sulfate (1:1) (7487-88-9)

|               |              |
|---------------|--------------|
| LD50 oral rat | > 2000 mg/kg |
|---------------|--------------|

|                 |              |
|-----------------|--------------|
| LD50 dermal rat | > 2000 mg/kg |
|-----------------|--------------|

#### Proprietary ingredient

|               |            |
|---------------|------------|
| LD50 oral rat | 3000 mg/kg |
|---------------|------------|

#### Glass, oxide (65997-17-3)

|               |              |
|---------------|--------------|
| LD50 oral rat | > 2000 mg/kg |
|---------------|--------------|

Skin corrosion/irritation : Not classified  
pH: Not applicable

Serious eye damage/irritation : Not classified  
pH: Not applicable

Respiratory or skin sensitization : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

Viscosity, kinematic : Not applicable

Symptoms/effects after inhalation : In the event of exposure to high concentrations of dust : May cause respiratory irritation. May cause an allergy or asthma symptoms or breathing difficulties if inhaled. Wood dust may cause nasopharyngeal cancer and/or cancer of the nasal cavities and paranasal sinuses by inhalation.

Symptoms/effects after skin contact : No adverse effects expected. Dust may cause irritation in skin folds or by contact in combination with tight clothing. Repeated or prolonged contact may cause allergic reactions in very susceptible persons.

Symptoms/effects after eye contact : In the event of exposure to high concentrations of dust : May cause eye irritation.

Symptoms/effects after ingestion : Possible irritation of mucous membranes and digestive tract, nausea, vomiting.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

# MAXTERRA™ MgO FIRE-AND WATER-RESISTANT UNDERLAYMENT

## Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

| Magnesium sulfate (1:1) (7487-88-9) |              |
|-------------------------------------|--------------|
| LC50 - Fish [1]                     | > 96.4 mg/l  |
| EC50 - Crustacea [1]                | > 88.7 mg/l  |
| EC50 72h - Algae [1]                | 0.00411 mg/l |
| Proprietary ingredient              |              |
| LC50 - Fish [1]                     | 48 mg/l      |
| Glass, oxide (65997-17-3)           |              |
| LC50 - Fish [1]                     | > 1000 mg/l  |
| Phosphate (14265-44-2)              |              |
| LC50 - Fish [1]                     | 670 mg/l     |
| EC50 96h - Algae [1]                | 1103 mg/l    |

### 12.2. Persistence and degradability

No additional information available

### 12.3. Bioaccumulative potential

No additional information available

### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Regional waste regulation : Disposal must be done according to official regulations.  
Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.  
Additional information : Consult an expert on waste disposal or treatment.

## SECTION 14: Transport information

In accordance with DOT / TDG / IMDG / IATA

| DOT                              | TDG           | IMDG          | IATA          |
|----------------------------------|---------------|---------------|---------------|
| 14.1. UN number                  |               |               |               |
| Not regulated for transport      |               |               |               |
| 14.2. Proper Shipping Name       |               |               |               |
| Not regulated                    | Not regulated | Not regulated | Not regulated |
| 14.3. Transport hazard class(es) |               |               |               |
| Not regulated                    | Not regulated | Not regulated | Not regulated |

# MAXTERRA™ MgO FIRE-AND WATER-RESISTANT UNDERLAYMENT

## Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

| DOT                                    | TDG           | IMDG          | IATA          |
|--|---------------|---------------|---------------|
| <b>14.4. Packing group</b>             |               |               |               |
| Not regulated                          | Not regulated | Not regulated | Not regulated |
| <b>14.5. Environmental hazards</b>     |               |               |               |
| Not regulated                          | Not regulated | Not regulated | Not regulated |
| No supplementary information available |               |               |               |

### 14.6. Special precautions for user

#### DOT

Not regulated

#### TDG

Not regulated

#### IMDG

Not regulated

#### IATA

Not regulated

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

Commercial status of components according to the United States Environmental Protection Agency's Toxic Substances Control Act (TSCA):

| Name                    | CAS-No.    | Listing | Commercial status | Flags |
|-------------------------|------------|---------|-------------------|-------|
| Magnesium oxide         | 1309-48-4  | Present | Active            |       |
| Magnesium sulfate (1:1) | 7487-88-9  | Present | Active            |       |
| Proprietary ingredient  |            | Present | Active            |       |
| Glass, oxide            | 65997-17-3 | Present | Active            |       |
| Pumice                  | 1332-09-8  | Present | Active            |       |
| Water                   | 7732-18-5  | Present | Active            |       |
| Phosphate               | 14265-44-2 | Present | Active            |       |

This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

### 15.2. International regulations

#### Canada

##### Magnesium oxide (1309-48-4)

Listed on the Canadian DSL (Domestic Substances List)



# MAXTERRA™ MgO FIRE-AND WATER-RESISTANT UNDERLAYMENT

## Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### Magnesium sulfate (1:1) (7487-88-9)

Listed on the Canadian DSL (Domestic Substances List)

### Proprietary ingredient

Listed on the Canadian DSL (Domestic Substances List)

### Glass, oxide (65997-17-3)

Listed on the Canadian DSL (Domestic Substances List)

### Pumice (1332-09-8)

Listed on the Canadian DSL (Domestic Substances List)

### Water (7732-18-5)

Listed on the Canadian DSL (Domestic Substances List)

### Phosphate (14265-44-2)

Listed on the Canadian NDSL (Non-Domestic Substances List)

### EU-Regulations

No additional information available

### National regulations

#### Magnesium oxide (1309-48-4)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

#### Magnesium sulfate (1:1) (7487-88-9)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

#### Proprietary ingredient

Listed on INSQ (Mexican National Inventory of Chemical Substances)

#### Glass, oxide (65997-17-3)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

#### Water (7732-18-5)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

### 15.3. US State regulations

#### Glass, oxide (65997-17-3)

| U.S. - California - Proposition 65 - Carcinogens List | U.S. - California - Proposition 65 - Developmental Toxicity | U.S. - California - Proposition 65 - Reproductive Toxicity - Female | U.S. - California - Proposition 65 - Reproductive Toxicity - Male | No significant risk level (NSRL) | Maximum allowable dose level (MADL) |
|---|---|---|---|----------------------------------|-------------------------------------|
|   |   |   |   |                                  |                                     |

# MAXTERRA™ MgO FIRE-AND WATER-RESISTANT UNDERLAYMENT

## Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

| Glass, oxide (65997-17-3) |    |    |    |  |  |
|---------------------------|----|----|----|--|--|
| Yes                       | No | No | No |  |  |

| Wood Fiber as Wood dust                               |   |   |   |                                  |                                     |
|---|---|---|---|----------------------------------|-------------------------------------|
| U.S. - California - Proposition 65 - Carcinogens List | U.S. - California - Proposition 65 - Developmental Toxicity | U.S. - California - Proposition 65 - Reproductive Toxicity - Female | U.S. - California - Proposition 65 - Reproductive Toxicity - Male | No significant risk level (NSRL) | Maximum allowable dose level (MADL) |
| Yes   | No  | No  | No  |                                  |                                     |

| Component                  | State or local regulations  |
|----------------------------|---|
| Magnesium oxide(1309-48-4) | U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - New York City - Right to Know Hazardous Substances List; U.S. - Pennsylvania - RTK (Right to Know) List |
| Wood Fiber as Wood dust    | U.S. - Pennsylvania - RTK (Right to Know) List; U.S. - New Jersey - Right to Know Hazardous Substance List  |
| Phosphate(14265-44-2)      | U.S. - New York City - Right to Know Hazardous Substances List  |

## SECTION 16: Other information

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

| Abbreviations and acronyms |   |
|----------------------------|---|
| ADN                        | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |
| ADR                        | European Agreement concerning the International Carriage of Dangerous Goods by Road             |
| ATE                        | Acute Toxicity Estimate   |
| BCF                        | Bioconcentration factor   |
| BLV                        | Biological limit value  |
| BOD                        | Biochemical oxygen demand (BOD)   |
| COD                        | Chemical oxygen demand (COD)  |
| DMEL                       | Derived Minimal Effect level  |
| DNEL                       | Derived-No Effect Level   |
| EC-No.                     | European Community number   |
| EC50                       | Median effective concentration  |
| EN                         | European Standard   |
| IARC                       | International Agency for Research on Cancer   |
| IATA                       | International Air Transport Association   |
| IMDG                       | International Maritime Dangerous Goods  |
| LC50                       | Median lethal concentration   |
| LD50                       | Median lethal dose  |

# MAXTERRA™ MgO FIRE-AND WATER-RESISTANT UNDERLAYMENT

## Safety Data Sheet

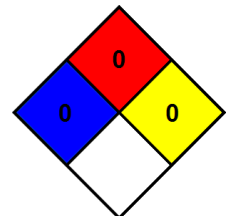
According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

| Abbreviations and acronyms |  |
|----------------------------|--|
| LOAEL                      | Lowest Observed Adverse Effect Level   |
| NOAEC                      | No-Observed Adverse Effect Concentration                                     |
| NOAEL                      | No-Observed Adverse Effect Level   |
| NOEC                       | No-Observed Effect Concentration   |
| OECD                       | Organisation for Economic Co-operation and Development                       |
| OEL                        | Occupational Exposure Limit  |
| PBT                        | Persistent Bioaccumulative Toxic   |
| PNEC                       | Predicted No-Effect Concentration  |
| RID                        | Regulations concerning the International Carriage of Dangerous Goods by Rail |
| SDS                        | Safety Data Sheet  |
| STP                        | Sewage treatment plant   |
| ThOD                       | Theoretical oxygen demand (ThOD)   |
| TLM                        | Median Tolerance Limit   |
| VOC                        | Volatile Organic Compounds   |
| CAS-No.                    | Chemical Abstract Service number   |
| N.O.S.                     | Not Otherwise Specified  |
| vPvB                       | Very Persistent and Very Bioaccumulative                                     |
| ED                         | Endocrine disrupting properties  |

NFPA health hazard : 0 - Materials that, under emergency conditions, would offer no hazard beyond that of ordinary combustible materials.

NFPA fire hazard : 0 - Materials that will not burn under typical fire conditions, including intrinsically noncombustible materials such as concrete, stone, and sand.

NFPA reactivity : 0 - Material that in themselves are normally stable, even under fire conditions.



Hazard Rating

Health : 0 Minimal Hazard - No significant risk to health

Flammability : 0 Minimal Hazard - Materials that will not burn

Physical : 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.

Safety Data Sheet (SDS), USA

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.