

SAFETY DATA SHEET

(EC1907/2006) | March 2018 – Version 5.0



SECTION 1: Identification of substance and manufacturer

1.1. Product identifier:					
Substance name:	Genan cryogenic rubber powder				
EC No.:	None				
REACH registration no.:	No registration number is given to this substance as it is exempted from registration requirements according to REACH Title II; it is furthermore exempted from Titles V and VI as it is a recovered substance and fulfills the criteria of Article 2(7)(d) of REACH.				
CAS no.:	None				
1.2. Relevant identified uses:					
Use of substance:	Artificial turf, Asphalt modification, Playgrounds, Athletic fields, Flooring, Thermal insulation, Acoustic insulation, Paint, Technical rubber compounds, New tyres etc.				
1.3. Supplier details:					
Manufacturer:	Genan A/S Jegindøvej 16 DK-8800 Viborg Denmark	Genan GmbH Gottlieb-Daimler Straße 34 D-46282 Dorsten Germany	Betriebsstätte Oranienburg: Birkenallee 80 D-16515 Oranienburg Germany	Betriebsstätte Kammlach: Im Gewerbepark Unterallgäu 1 D-87754 Kammlach Germany	Genan Inc. 18038 Beaumont Hwy. Houston TX77049 USA
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Fax:	-	+49 2362 9527 150	+49 3301 578 150	+49 8261 7369 150	+1 713 6748501
E-mail address:	genan@genan.eu				genan@genan.us
1.4. Emergency contact number:	+45 87 28 30 00 (only available during office hours)				

SECTION 2: Hazard identification

2.1. Classification of substance:	
2.1.1. Classification according to Regulations (EC) no. 1272/2008 [CLP]:	None
2.1.2. Classification according to Directive 67/548/EEC:	None
Other hazards:	Dust and air may result in explosive mixtures.

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SECTION 3: Composition/information on ingredients

Chemical name:	Micronised rubber powder manufactured from end-of-life tyres
CAS no	N/A
Concentration	> 99 %
Chemical name:	Amorphous silicon dioxide
CAS no.	112926-00-8
Concentration	< 1 %

SECTION 4: Description of first aid measures

General notes:	Pay attention to self-protection, remove victims from hazardous area, keep warm, position comfortably and cover well, do not leave affected persons unattended.
In case of inhalation:	Provide fresh air, seek medical advice if necessary.
In case of skin contact:	Wash hands before breaks and at the end of a work day.
In case of eye contact:	With eye held open, immediately rinse thoroughly with plenty of water for at least 15 minutes; seek medical advice if necessary.
In case of ingestion:	Rinse mouth, seek medical advice if necessary.
Self-protection of the first aider:	See general notes.

SECTION 5: Fire fighting measures

5.1. Extinguishing media:	Foam, extinguishing powder, CO ₂ , sand.
5.2. Special hazards arising from substance:	Heavy smoke, dangerous vapours in case of fire cannot be excluded.
5.3. Advice for fire fighters:	Remove product from hazard area as soon as possible. Wear protective face mask / respiratory protection due to heavy smoke formation.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures:	
6.2. For non-emergency personnel:	
Protective equipment:	None
Emergency procedure:	None
6.3. For emergency responders:	See section 5.3.
6.4. Methods and materials for containment and clean-up:	
6.4.1. For containment:	Bags or containers.
6.4.2. For clean-up:	Manual aggregation.
6.4.3. Other information:	By use of vacuum cleaner, use a dust-ignition proof model, class B1.

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SECTION 7: Handling and storage

7.1. Precaution for safe handling:	
Measures to prevent fire:	Take measures against electrostatic discharge. Keep far away from sources of ignition.
Advice on general occupational hygiene:	Avoid dust formation. Provide for adequate exhaust ventilation and dust collection at machinery.
7.2. Conditions for safe storage, including any incompatibilities:	
Technical measures and storage conditions:	Under cover, frost-free and dry, protected from moisture and sun light (UV). Frozen and wet material may result in agglomeration of material. Confined spaces must be well ventilated. Do not store with food or fodder.
Packaging materials:	Keep packaging closed and away from water.

SECTION 8: Exposure controls / personal protection

8.1. Control parameters:	
8.2. Exposure control:	
8.2.1. Appropriate engineering controls:	None
8.2.2. Personal protection equipment:	
8.2.2.1. Eye and face protection:	Wear protective glasses with side protection.
8.2.2.2. Skin protection:	Use protective gloves.
8.2.2.3. Respiratory protection:	Wear protective face mask in case of generation of dust.
8.2.2.4. Thermal hazards:	Do not inhale vapors from hot product.
8.2.3. Environmental exposure controls:	None

SECTION 9: Physical and chemical properties

Appearance:	Black rubber powder
Odour:	Typical rubber smell
pH value:	N/A
Melting/freezing point:	N/A

SECTION 9: Physical and chemical properties – continued

Initial boiling point and boiling range:	N/A
Flash point:	N/A
Evaporation rate:	N/A
Ignition temperature:	> 400 °C [DIN EN 50281-2-1 // VDE 0170/0171 section 1503-2-1]
Upper/lower flammability or explosion limits:	Untested
Vapour pressure:	N/A
Vapour density:	N/A
Bulk density:	300-600kg/m ³ (depending on fraction sizes)
Specific density:	1,100-1,200kg/m ³
Solubility:	N/A
Partition coefficient:	N/A
Auto-ignition temperature:	110 °C [VDI 2263 page 1]
Decomposition temperature:	N/A
Viscosity:	N/A
Explosive properties:	Depends on fraction sizes, processes and environmental conditions.
Oxidising properties:	N/A

SECTION 10: Stability and reactivity

10.1. Reactivity:	None
10.2. Chemical stability:	Stable under recommended storage conditions.
10.3. Possibility of hazardous reactions:	No known hazardous reactions.
10.4. Conditions to avoid:	Fire, as CO, CO ₂ , SO ₂ , SO ₃ , different nitrogen compounds, minor amounts of HCL and/or HBr may then be released.
10.5. Incompatible materials:	None known
10.6. Hazardous decomposition products:	None known

SECTION 11: Toxicological information

No known conditions to be mentioned based on current experience.

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SECTION 12: Ecological information

Products are non-water-soluble granulates and powder-shaped vulcanized polymer mixture respectively, and do not cause any environmental damage to animals nor micro-organisms.

SECTION 13: Disposal considerations

13.1. Waste treatment methods:	In compliance with local regulations, e.g. disposal via waste incineration plant.
13.1.1. Product / packaging disposal:	In compliance with local regulations, e.g. disposal via waste incineration plant.
13.1.2. Waste treatment relevant information:	In compliance with local regulations, e.g. disposal via waste incineration plant.
13.1.3. Sewage disposal -relevant information:	Sewage disposal shall be discouraged.
13.1.4. Other disposal recommendations:	Contact relevant local authorities for guidance.

SECTION 14: Transport information

14.1. UN number:	N/A
14.2. UN proper shipping name:	N/A
14.3. Transport hazard class:	N/A
14.4. Packing group:	N/A
14.5. Environmental hazards:	N/A
14.6. Special precaution for user:	N/A
14.7. Transportation in bulk:	N/A
14.8. Transportation in general:	Not classified as dangerous within the meaning of transport regulations.

SECTION 15: Regulatory information

Labelling according to EU directives:	
Statutory basis/list:	Not subject to labelling provisions specified in Directive 67/548/EEC.

SECTION 16: Other information

The information provided in this safety data sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given only serves as a guidance for safety handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text. Genan is not liable for missing or incorrect information, nor any consequential damage suffered due to the use of this document.