

SAFETY DATA SHEET

(EC1907/2006) | Date of issue: 04.02.2015 – Version 1.0



SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier:

Elasto+

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

Regenerated rubber compound to be used as raw material.

1.3. Details of the supplier of the safety data sheet:

Genan A/S
Jegindøvej 16
DK-8800 Viborg
Denmark
Tel: + 45 87 28 30 00
Fax: + 45 87 28 30 30
Responsible person for the safety data sheet (e-mail): genan@genan.eu

1.4. Emergency telephone number:

NHS (England or Wales): 0845 46 47
NHS 24 (Scotland): 08454 24 24 24

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture:

According to Directive 1999/45/EC and Regulation 1272/2008 (CLP) the rubber compound is an article and not a chemical product and therefore does not require a classification.
This Safety Data Sheet is intended as a service to customers/users of the article.

2.2. Label elements:

None.

2.3. Other hazards:

The material does not constitute any health risk, but careless natural rubber may cause an allergic reaction.
Dust or inhalable rubber fragments from machining (e.g. milling, drilling, sawing, blending, rolling or extrusion) may constitute environmental risks - see section 12.
PBT/vPvB: The ingredients are not considered PBT/vPvB according to criteria in Annex XIII.

SECTION 3: Composition/information on ingredients

3.2. Mixtures:

Rubber slabs containing de-vulcanized rubber powder with a high natural rubber content as well as hydrocarbon oil-plasticizers and additives.

% w/w	Substance name	CAS-No.	EC-No.	Index-No.	REACH reg.-No.	Classification	Note
< 35	Carbon black	1333-86-4	215-609-9	-	-	EC/CLP: None	1
< 2.5	Zinc oxide	1314-13-2	215-222-5	030-013-00-7	-	EC: N;R50-53 (M=1) CLP: Aquatic Acute 1;H400 Aquatic Chronic 1;H410 (M=1)	1

1) The substance has an occupational exposure limit.

Wording of Risk and hazard statements - see section 16.

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SECTION 4: First-aid measures

4.1. Description of first aid measures:

Symptomatic treatment.

Inhalation: Move user to fresh air. Keep under surveillance. If needed: seek medical advice.

Skin contact: Remove clothes contaminated with rubber particles. First rinse the skin with plenty of water and then wash the skin with soap and water.

Eye contact: Flush eyes well with copious quantities of water or normal saline. If irritation persists: seek medical advice.

Ingestion: Not relevant.

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

Inhalation of large amounts of machining dust may cause acute respiratory problems such as asthma. Dust may irritate the eyes.

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

Show this Safety Data Sheet to a physician or emergency ward.

SECTION 5: Fire-fighting measures

5.1. Extinguishing media:

Water preferred, foam may be used.

5.2. Special hazards arising from the substance or mixture:

Do not breathe smoke fumes: Smoke and oxides of carbon and sulphur.

5.3. Advice for fire fighters:

When entering burning area: Wear self contained breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures:

Not relevant.

6.2. Environmental precautions:

Do not empty into drains - see section 12. Inform appropriate authorities in accordance with local regulations.

6.3. Methods and material for containment and cleaning up:

Dampen dust and rubber particles with water. Then transfer material to a suitable container.

6.4. Reference to other sections:

Not relevant.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling:

Remove sources of ignition. Provide sufficient ventilation.

7.2. Conditions for safe storage, including any incompatibilities:

Cool (<25°C), clean and dry. Protected against sun light (UV).

7.3. Specific end use(s):

See SECTION 1

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters:

Occupational exposure limits:

Comply with national and local regulations for dust exposure.

DNEL/PNEC:

No CSR.

8.2. Exposure controls:

Maintain sufficient local exhaust and ventilation when machining. Ventilated air should not be recycled.

Personal protective equipment:

Inhalation:

If the local exhaust ventilation is insufficient when machining: Use an approved mask with a particle filter: Type P2 (EN 149). The filter has a limited lifetime and must be changed. Read the instruction.

Skin:

Gloves: Normally not required but may prevent skin abrasion during machining.

Eyes:

When machining, protect eyes from dust and flying chips with safety goggles (EN 166).

Environmental exposure controls:

None particular.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties:

Appearance:	Black solid rubber slabs
Odour:	Typical rubber smell
Odour threshold:	No available data
pH:	Not applicable
Melting point / freezing point (°C):	Not applicable
Initial boiling point and boiling range (°C):	Not applicable
Decomposition temperature (°C):	Not applicable
Flash point (°C):	Not applicable
Evaporation rate:	Not applicable
Flammability (solid, gas):	Not applicable
Upper/lower flammability or explosive limits (vol-%):	Not applicable
Vapour pressure (bar, 20°C):	Not applicable
Vapour density (air=1):	Not applicable
Relative density (g/ml, 20°C):	1.1-1.2
Solubility:	Insoluble in water/Partially soluble in acetone
Partition coefficient: n-octanol/water, Log K_{ow}	Not applicable
Auto-ignition temperature (°C):	Not applicable
Viscosity (ML (1+4), 100°C):	20-50 (Mooney)
Explosive properties:	Not applicable
Oxidising properties:	Not applicable

9.2. Other information:

None relevant

SECTION 10: Stability and reactivity

10.1. Reactivity:

Chemically inert. Does not attack other materials.

10.2. Chemical stability:

See section 10.1.

10.3. Possibility of hazardous reactions:

See section 10.1.

10.4. Conditions to avoid:

Avoid strong heating. See section 5.

10.5. Incompatible materials:

None.

10.6. Hazardous decomposition products:

See section 5.

SECTION 11: Toxicological information

11.1. Information on toxicological effects:

Not relevant for rubber slabs.

Symptoms:

Inhalation:	Inhalation of large amounts of machining dust may cause acute respiratory problems such as asthma.
Skin:	None.
Eyes:	Dust may irritate.
Ingestion:	Not relevant.
Chronic effects:	Prolonged or frequent exposure may cause chronic respiratory problems if not prevented by personal protective measures and/or engineering controls such as local exhaust.

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SECTION 12: Ecological information

12.1. Toxicity:

Aquatic	Data	Test (Media)	Reference
Fish	LC ₅₀ (Brachydanio rerio, 96 h): 1.79 mg/l (Zinc oxide)	No data (FW)	ECHA diss.
Crustacean	No relevant data.	-	-
Algae	EC ₅₀ (Selenastrum capricornutum, 72h) = 0.17 mg/l (Zinc oxide) NOEC (Pseudokirchneriella subcapitata, 72h) = 0.017 mg/l (Zinc oxide)	OECD 201 (FW) No data (FW)	IUCLID -

12.2. Persistence and degradability:

The mixture contains zinc oxide that is not considered as rapidly degradable.

12.3. Bioaccumulative potential:

Zinc oxide: Log K_{ow} = 1.53 (Moderate bio accumulative effect).

12.4. Mobility in soil:

Not relevant.

12.5. Results of PBT and vPvB assessment:

Ingredients are not considered PBT/vPvB according to criteria in Annex XIII.

12.6. Other adverse effects:

No available information.

SECTION 13: Disposal considerations

13.1. Waste treatment methods:

Comply with national and local regulations for inert waste.

EWC-Code: 16 01 03

SECTION 14: Transport information

Not dangerous goods according to ADR/RID.

14.1. UN-no.:	None.
14.2. UN proper shipping name:	None.
14.3. Transport hazard class(es):	None.
14.4. Packing group:	None.
14.5. Environmental hazards:	None.
14.6. Special precautions for user:	None.
14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:	Not relevant.

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SECTION 15: Regulatory information

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

No data.

15.2. Chemical Safety Assessment:

No CSR

SECTION 16: Other information

Abbreviations:

CMR = Carcinogenicity, mutagenicity and reproductive toxicity.

CSR = Chemical Safety Report

DNEL = Derived No-Effect Level

EC₅₀ = Effect Concentration 50 %

FW = Fresh Water

LC₅₀ = Lethal Concentration 50 %

NOEC = No Effect Concentration

PBT = Persistent, Bioaccumulative, Toxic

PNEC = Predicted No-Effect Concentration

vPvB = very Persistent, very Bioaccumulative

Special references used:

ECHA diss. = REACH Registration dossier from ECHA homepage

IUCLID = International Uniform Chemical Database Information

Training advice:

No special training is required. However, the user should be well instructed in the execution of the task, be familiar with this Safety Data Sheet and have normal training in the use of personal protective equipment.

Changes since the previous edition:

Not relevant

Note:

Information contained herein, while accurate to the best of our knowledge, is intended as a health and safety guide and should not be construed as a warranty for any specific properties. However, as conditions of handling and use of this material are beyond our control, we can accept no liability for damages incurred by the use of this material.

It is the responsibility of the user to comply with all applicable local and national laws and regulations, and nothing contained herein is to be construed as a recommendation for use in violation of any patents or of applicable laws or regulations.