



**Elastrade s.r.l.**  
Sede Operativa e Amministrativa: Via dei Termini, 20 I-24040 Osio Sopra (BG).  
Sede Legale: Via dei Termini, 18/A- 24040 Osio Sopra (BG).  
Capitale Sociale € 100.000,00 – Registro Imprese Bergamo  
R.E.A. BG-380229 – Codice Fiscale e Partita IVA 01617080666

## SAFETY DATA SHEET

### Gommamica® EPDM

[In accordance with the criteria of Regulation No 1907/2006 (REACH) and 453/2010]

#### Section 1: Identification of the substance/mixture and of the company/undertaking

##### 1.1 Product identifier

Trade name: **Gommamica® EPDM**

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

Relevant identified uses: compound for production of vulcanized rubber products.

Uses advised against: not determined.

##### 1.3 Details of the supplier of the safety data sheet

Supplier: **Elastrade S.R.L.**

Address: via Matteotti, 45/1 – 64028 Silvi (TE)

Telephone/Fax number: +39 035 50 50 39/ +39 035 50 69 86

Information about product: [info@gommamica.it](mailto:info@gommamica.it)

E-mail address of a competent person responsible for SDS: [info@gommamica.it](mailto:info@gommamica.it)

##### 1.4 Emergency telephone number

112

#### Section 2: Hazards identification

##### 2.1 Classification of the substance or mixture

Classification according to 1999/45/EEC\*

Mixture is not classified as dangerous for human health and for environment.

Classification according to 1272/2008/EC\*

Mixture is not classified as hazardous for human health and for environment.

\* Due to product form, product is not classified as dangerous for human health and for environment, although it contains hazardous components. Product does not pose a danger to human health by inhalation, ingestion, contact with eyes and skin or to the aquatic environment in the form in which it is placed on the market.

##### 2.2 Label elements

Not required.

##### 2.3 Other hazards

No information whether the mixture meets criteria for PBT or vPvB in accordance with Annex XIII of REACH Regulation. Suitable researches were not conducted.

#### Section 3: Composition/information on ingredients

##### 3.1 Substances

Not applicable.

### 3.2 Mixtures

#### zinc oxide

Range of percentages: ≤ 2%  
 CAS number: 1314-13-2  
 EC number: 215-222-5  
 Registration number: 01-2119463881-32-0064  
 Classification acc. to 67/548/EC: **N R50/53**  
 Classification acc. to 1272/2008/EC: Aquatic Acute 1 H400, Aquatic Chronic 1 H410

#### sulphur

Range of percentages: < 1%  
 CAS number: 7704-34-9  
 EC number: 231-722-6  
 Registration number: 01-  
 2119487295-27-XXXX Classification acc. to  
 67/548/EC: **Xi R38**  
 Classification acc. to 1272/2008/EC: Skin Irrit. 2 H315

#### zinc bis(dibutyldithiocarbamate)

Range of percentages: < 0,5%  
 CAS number: 136-23-2  
 EC number: 205-232-8  
 Registration number: registration  
 planned for 2018 Classification acc. to 67/548/EC:  
**Xi**

R36/37/38, R43, **N R50/53**

Classification acc. to 1272/2008/EC: Eye Irrit. 2 H319, STOT SE 3 H335, Skin Irrit. 2 H315,

Skin Sens. 1 H317, Aquatic  
 Acute 1 H400, Aquatic Chronic 1  
 H410

#### N-cyclohexylbenzothiazole-2-

#### sulfenamide Range of

percentages: < 0,5%  
 CAS number: 95-33-0  
 EC number: 202-411-2  
 Registration number: substance is subject to temporary  
 period regulation Classification acc. to 67/548/EC: **R43, N R50/53**  
 Classification acc. to 1272/2008/EC: Skin Sens. 1 H317, Aquatic Acute  
 1 H400,  
 Aquatic  
 Chronic  
 1 H410

#### thiram (ISO):

#### tetramethylthiuram disulphide

Range of percentages: < 0,5%  
 CAS number: 137-26-8  
 EC number: 205-286-2  
 Registration number: substance is subject to temporary  
 period regulation Classification acc. to 67/548/EC: **Xn R20/22-48/22, Xi**  
 R36/38, R43, **N R50/53**



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Classification acc. to 1272/2008/EC: Acute Tox. 4 H332, Acute Tox 4 H302, STOT  
RE 2 H373,

Eye Irrit. 2 H319, Skin Irrit. 2 H315, Skin Sens.  
1 H317, Aquatic Acute 1 H400, Aquatic  
Chronic 1 H410

N-(cyclohexylthio)phthalimide

Range of percentages: < 0,5%

CAS number: 17796-82-6

EC number: 241-774-1

Registration number: substance is subject to temporary period

regulation Classification acc. to 67/548/EC: R43; N R50/53

Classification acc. to 1272/2008/EC: Skin Sens. 1 H317; Aquatic Acute  
H400;  
Aquatic Chronic  
1 H410

Full text of each relevant R and H phrase is given in section 16 of SDS.

## Section 4: First aid measures

### 4.1 Description of first aid measures

Skin contact: wash off skin with plenty of water with soap. In case of contact with heated product, cool skin with water. Consult a doctor in case of more severe thermal burns.

Eye contact: solid - exposure in this way does not usually occur. If any sharp surfaces got into the eye during processing, wash out eye with plenty of water or saline, e.g. 0,9% solution of NaCl or 5% glucose. Consult a doctor immediately.

Ingestion: exposure by this route does not usually occur.

Inhalation: remove to fresh air. Keep warm and calm. Consult a doctor, if disturbing symptoms appear.

### 4.2 Most important symptoms and effects, both acute and delayed

Due to the form of the product, adverse health effects are not expected in the event of exposure.

### 4.3 Indication of any immediate medical attention and special treatment needed

Physician makes an informed decision regarding further medical treatment after a thorough and complete examination of the injured. Symptomatic treatment.



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## Section 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media: water, foam, carbon dioxide, dry chemicals, water spray.

Unsuitable extinguishing media: water jet – risk of the propagation of the flame.

### 5.2 Special hazards arising from the substance or mixture

May produce toxic fumes containing carbon oxide, nitric oxide, sulfur oxide, styrene and other unidentified combustion products. Do not inhale combustion products, may pose a health hazard.

### 5.3 Advice for firefighters

Personal protection typical in case of fire. Do not stay in the fire zone without self-contained breathing apparatus and protective clothing resistant to chemicals.

## Section 6: Accidental release measures

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

Limit the access of outsiders to the breakdown area, until the suitable cleaning operations are completed. Wear suitable personal protective equipment. Avoid contact with skin.

### 6.2 Environmental precautions

In case of release of large amounts of the product, it is necessary to take appropriate measures to prevent it from spreading into the environment. Notify relevant emergency services.

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

Collect mechanically. Collected material should be transferred for re-use or treated as waste. Clean the contaminated area.

### 6.4 Reference to other sections

Appropriate handling of waste products – see section 13. Personal protective equipment – see section 8.

## Section 7: Handling and storage

### 7.1 Precautions for safe handling

Handle in accordance with good occupational health and safety practices. Avoid contact with skin. Before each break and after work wash hands carefully. Use in accordance with identified purpose. Ensure adequate ventilation of the area, where the product is used.

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

Store in a closed, covered area on wooden or plastic pellets. Recommended temperature of storage: 15-20°C. Avoid temperatures above 40°C.

### 7.3 Specific end use(s)

No information about other uses than mentioned in subsection 1.2.

## Section 8: Exposure controls/personal protection

### 8.1 Control parameters

Due to product form, there is no obligation to monitor the maximum exposure limit at workplace.

### 8.2. Exposure controls

Use the product in accordance with good occupational health and safety practices. When handling do not eat, drink or smoke. Before each break and after work wash hands carefully. Ensure adequate general ventilation. Avoid contact with skin. Use adequate exhaust ventilation during thermal treatment of the product. During the vulcanization process, following compounds may be present in the emitted gases: sulfur compounds - trace amounts of SO<sub>2</sub>, CS<sub>2</sub>, hydrogen sulphide, nitrogen compounds - trace amounts of nitric oxide.

#### Hand and body protection

Use skin protection that is adequate to the existing thermal, chemical or mechanical risks.

#### Eye/face protection

Not required.

#### Respiratory protection

Not required if the ventilation is adequate.

Personal protective equipment must comply with the requirements of Directive 89/686/EC. The employer is obliged to provide security measures appropriate to the activities and meeting all quality requirements, including their maintenance and cleaning. Relevant procedures for monitoring of dangerous components concentration in the air and procedures for air cleanliness control at workplace must be introduced – if they are available and justified for the workstation in question – in compliance with relevant Standards, considering the conditions in the exposure area and suitable measurement methodology tailored to the working conditions.

#### Environmental exposure controls

Do not allow large amounts of product to contaminate ground water, drainage system drains or soil.

## Section 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

physical state:	solid
colour:	black
odour:	characteristic
odour threshold:	not determined
pH:	not applicable
melting point/freezing point:	not determined
initial boiling point and boiling range:	not applicable
flash point:	not applicable
evaporation rate:	not determined
flammability (solid, gas):	not determined, not flammable
upper/lower flammability or explosive limits:	not determined
vapour pressure:	not determined
vapour density:	not determined
density:	1,25 ± 0,2 g/ cm <sup>3</sup>
solubility(ies):	insoluble in water
partition coefficient: n-octanol/water:	not determined
auto-ignition temperature:	not applicable
decomposition temperature:	> 200°C
explosive properties:	does not display
oxidising properties:	does not display
viscosity:	not applicable

### 9.2 Other information

No additional data.



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## Section 10: Stability and reactivity

### 10.1 Reactivity

Feebly reactive.

### 10.2 Chemical stability

The product is stable under normal conditions of storage and use.

### 10.3 Possibility of hazardous reactions

Hazardous reactions are not known.

### 10.4 Conditions to avoid

Avoid ignition sources, high temperatures.

### 10.5 Incompatible materials

Strong oxidizing agents.

### 10.6 Hazardous decomposition products

During the vulcanization, at temperatures above 200°C may produce vulcanization fumes containing aldehydes and PAHs.

## Section 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

Based on available data, the classification criteria are not met.

#### Irritation

Based on available data, the classification criteria are not met.

#### Corrosivity

Based on available data, the classification criteria are not met.

#### Sensitisation

Based on available data, the classification criteria are not met.

#### Repeated dose toxicity

Based on available data, the classification criteria are not met.

#### Carcinogenicity

Based on available data, the classification criteria are not met.

#### Mutagenicity

Based on available data, the classification criteria are not met.

#### Toxicity for reproduction

Based on available data, the classification criteria are not met.



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## Section 12: Ecological information

### 12.1 Toxicity

#### Toxicity of components

##### zinc oxide

Toxicity for daphnia EC<sub>50</sub> 2,6 mg/dm<sup>3</sup>/48h/*Daphnia magna*

Toxicity for fish LC<sub>50</sub> 1,793 mg/dm<sup>3</sup>/96h/*Danio rerio*

Toxicity for algae IC<sub>50</sub> 0,136 mg/dm<sup>3</sup>/72h

#### Toxicity of mixture

Due to product form, it is not classified as hazardous for environment.

### 12.2 Persistence and degradability

Product is hardly biodegradable.

### 12.3 Bioaccumulative potential

Not expected to bioaccumulate.

### 12.4 Mobility in soil

Product is not mobile in soil and in aquatic environment.

### 12.5 Results of PBT and vPvB assessment

Not applicable.

### 12.6 Other adverse effects

This product has no impact on the global warming or the ozone layer depletion.

## Section 13: Disposal considerations

### 13.1 Waste treatment methods

Disposal methods for the product: disposal in accordance with the local legislation. Rubber waste can be delivered to the appropriate landfill or delivered to reprocessing.

Legal basis: Directive 2008/98/EC, 94/62/EC.



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#### Section 14: Transport information

##### 14.1 UN number

Product is not classified as dangerous during transport.

##### 14.2 UN proper shipping name

Not applicable.

##### 14.3 Transport hazard class(es)

Not applicable.

##### 14.4 Packing group

Not applicable.

##### 14.5 Environmental hazards

Not applicable.

##### 14.6 Special precautions for user

Not necessary.

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

**Regulation (EC) No 1907/2006** of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC as amended.

**Regulation (EC) No 1272/2008** of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 as amended.

**Council Directive 67/548/EEC** of 27 June 1967 on the approximation of laws, regulations and administrative provisions relating to the classification, packaging and labeling of dangerous substances.

**Directive 1999/45/EC** of the European Parliament and of the Council of 31 May 1999 concerning the approximation of the laws, regulations and administrative provisions of the Member States relating to the classification, packaging and labelling of dangerous preparations.

**Commission Regulation (EC) No 790/2009** of 10 August 2009 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures.

**Commission Regulation (EU) No 453/2010** of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (Text with EEA relevance).

**Directive 2008/98/EC** of the European Parliament and of the Council of 19 November 2008 on waste and repealing certain Directives.

**European Parliament and Council Directive 94/62/EC** of 20 December 1994 on packaging and packaging waste.

##### 15.2 Chemical safety assessment

A Chemical Safety Assessment has not been carried out.



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### Section 16: Other information

#### Full text of specified R and H phrases mentioned in section 3

R20/22	Harmful by inhalation and if swallowed.
R36/37/38	Irritating to eyes, respiratory system and skin.
R36/38	Irritating to eyes and skin.
R38	Irritating to skin.
R43	May cause sensitisation by skin contact.
R48/22	Harmful: danger of serious damage to health by prolonged exposure if swallowed.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
H302	Harmful if swallowed.
H315	Irritating to skin.
H317	May cause an allergic skin reaction.
H319	Irritating to eyes.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

#### Clarification of aberrations and acronyms

PBT	Persistent, Bioaccumulative and Toxic substance
vPvB	very Persistent, very Bioaccumulative substance
Skin Irrit. 2	Skin irritation category 2
Skin Sens. 1	Skin sensation category 1
Acute Tox. 4	Acute toxicity category 4
Eye Irrit. 2	Eye irritation category 2
STOT SE 3	Specific target organ toxicity – single exposure category 3
Aquatic Acute 1	Hazardous to the aquatic environment category 1
Aquatic Chronic 1	Hazardous to the aquatic environment category 1

#### Trainings

Before commencing work with the product, the user should learn the Health & Safety regulations, regarding handling chemicals, and in particular, undergo a proper workplace training.

#### Other data

Date of issue:	13.03.2017		
Version:	1.0/EN		
Composed by:	Eng.	Bucher	Paolo

The information above is based on a current available data concerning the product, but also on the experience and knowledge in this field of the supplier. They are neither a quality description of the product nor a guarantee of particular features. They are to be treated as aid to safety in transport, storage and usage of the product. That does not free the user from the responsibility of improper usage of the information above and also of improper compliance with the law norms in the field.