



The safety data sheet is in accordance with Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

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

Date issued 13.10.2016

1.1. Product identifier

Product name Elastopaz

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

Product group Waterbaserd bitumen liquid membrane

Use of the substance/preparation Water- and radonproof bitumen membrane for various applications.

1.3. Details of the supplier of the safety data sheet

Distributor

Company name PazKar Nor AS

Postal address Hellaveien 100

Postcode 1458

City Fjellstrand

Country Norway

Tel +4798461575

E-mail post@pazkarnor.com

Website http://www.pazkarnor.com

1.4. Emergency telephone number

Emergency telephone Giftinformasjonen:22 59 13 00

SECTION 2: Hazards identification

2.1. Classification of substance or mixture

CLP Classification, Comments Classification according to (EC) No.1272/2008: Not classified.

2.2. Label elements

Supplemental label information EUH 210 Safety data sheet available on request.

2.3. Other hazards

PBT / vPvB PBT/vPvB assessment has not been performed.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

| Substance | Identification | Classification | Contents |
|--|---|-------------------------------|-----------|
| Bitumen (Residues(petroleum), vacuum) | CAS no.: 64741-56-6 EC no.: 265-057-8 | | 30 - 40 % |
| Polychlorobutadiene | CAS no.: 9010-98-4 | | 10 - 20 % |
| Solvent naphtha (petroleum), heavy arom. | CAS no.: 64742-94-5 EC no.: 265-198-5 Index no.: 649-424-00-3 | Asp. Tox. 1; H304 Note : H | < 1 % |
| Substance comments | See section 16 for explanation of hazard statements (H) listed above. | | |

SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|--------------|---|
| General | Emergency telephone number: see section 1.4. |
| Inhalation | Fresh air and rest. Get medical attention if any discomfort continues. |
| Skin contact | Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if any discomfort continues. |
| Eye contact | Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention if any discomfort continues. |
| Ingestion | Rinse the mouth and drink plenty of water. Do not induce vomiting. Get medical attention. |

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

| | |
|----------------------------|--------------------------------|
| Acute symptoms and effects | No symptoms known or expected. |
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4.3. Indication of any immediate medical attention and special treatment needed

| | |
|-------------------|--|
| Other Information | No specific information from the manufacturer. |
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SECTION 5: Firefighting measures

5.1. Extinguishing media

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|------------------------------|-------------------------------------|
| Suitable extinguishing media | Foam, carbon dioxide or dry powder. |
| Improper extinguishing media | Do not use water jet. |

5.2. Special hazards arising from the substance or mixture

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|-------------------------------|---|
| Fire and explosion hazards | The chemical is not classified as flammable. |
| Hazardous combustion products | May include, but is not limited to: Carbon dioxide (CO ₂). Carbon monoxide (CO). Hydrogen sulphide (H ₂ S). Hydrogen chloride (HCl). Sulphurous gases (SO _x). Calcium oxide. |

5.3. Advice for firefighters

| | |
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| Personal protective equipment | Use compressed air equipment when the chemical is involved in fire. See also section 8. |
| Other Information | Containers close to fire should be removed immediately or cooled with water. |

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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|------------------------------|---|
| General measures | Keep away from sources of ignition - No smoking. |
| Personal protection measures | Use protective equipment as referred to in section 8. |

6.2. Environmental precautions

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|--------------------------------------|---|
| Environmental precautionary measures | Do not allow to enter into sewer, water system or soil. |
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6.3. Methods and material for containment and cleaning up

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| Cleaning method | Absorb in vermiculite, dry sand or earth and place into containers. Collect in suitable containers and deliver as waste according to section 13. |
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6.4. Reference to other sections

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|--------------------|-----------------------------|
| Other instructions | See also sections 8 and 13. |
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

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| Handling | Avoid inhalation of vapours and contact with skin and eyes. Provide adequate ventilation. Use protective equipment as referred to in section 8. |
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Protective Safety Measures

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| Advice on general occupational hygiene | Wash hands after contact with the chemical. Change contaminated clothing and take off protective equipment before the meal. Do not eat, drink or |
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smoke during work.

7.2. Conditions for safe storage, including any incompatibilities

Storage Store in tightly closed original container in a dry, cool and well-ventilated place. Store protected against heat and direct sunlight. Protect from frost.

Conditions for safe storage

Advice on storage compatability Keep away from: Strong oxidizing agents. Acids.

Storage Temperature **Value:** > 10 °C

Comments, Storage temperature Protect from sunlight. Do not expose to temperatures exceeding 50 °C /122 °F.

Storage Stabilit The chemical has a shelf life of 12 months.

7.3. Specific end use(s)

Specific use(s) See section 1.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational Exposure limit values

| Substance | Identification | Value | TWA Year |
|--|--|---|----------|
| Solvent naphtha (petroleum), heavy aromatic (Norway) | CAS no.: 64742-94-5 EC no.: 265-198-5 | 8-hour TWA: 25 ppm 8-hour TWA: 120 mg/m ³ | |

Other Information about threshold limit values References (laws/regulations): Norwegian regulation on exposure limits: "FOR-2011-12-06-1358 Forskrift om tiltaksverdier og grenseverdier for fysiske og kjemiske faktorer i arbeidsmiljøet samt smitterisikogrupper for biologiske faktorer (forskrift om tiltaks- og grenseverdier)".

8.2. Exposure controls

Limitation of exposure on workplace The personal protective equipment must be CE-marked and the latest version of the standards shall be used. The protective equipment and the specified standards recommended below are only suggestions, and should be selected on advice from the supplier of such equipment.
A risk assessment of the work place/work activities (the actual risk) may lead to other control measures.

The protection equipments suitability and durability will depend on application.

Provide adequate ventilation.

Respiratory protection

Respiratory protection Use filtercombination A/P2 while spraying.

Reference to relevant standard EN 14387 (Respiratory protective devices. Gas filter(s) and combined filter(s). Requirements, testing, marking).

Hand protection

Hand protection Use chemical resistant gloves. The recommended material of gloves is recommended after a study of the single components in the chemical. Glove thickness must be chosen in consultation with the glove supplier, who can inform about the breakthrough time for the glove.

Suitable gloves type Butyl rubber.

Reference to relevant standard BS-EN 420 (Protective gloves. General requirements and test methods). BS-EN 374 (Protective gloves against chemicals and micro-organisms).

Breakthrough time No specific information from the manufacturer.

Thickness of glove material No specific information from the manufacturer.

Additional hand protection measures Replace gloves if signs of wear and tear.

Eye / face protection

Eye protection Wear safety goggles if there is a risk of splash.

Reference to relevant standard EN 166 (Personal eye-protection. Specifications).

Skin protection

Skin protection (except hands) Wear appropriate clothing to prevent reasonably probable skin contact.

Appropriate environmental exposure control

Environmental exposure controls Do not allow to enter into sewer, water system or soil.

Other Information

Other Information Eye wash facilities should be available when handling this chemical.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

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| Physical state | Paste. |
| Colour | Brown |
| Odour | Not specified by the manufacturer. |
| Comments, Odour limit | Not specified by the manufacturer. |
| pH (as supplied) | Value: 8-11 |
| Comments, Melting point / melting range | Not specified by the manufacturer. |
| Comments, Boiling point / boiling range | Not specified by the manufacturer. |
| Comments, Flash point | Not flammable. |
| Comments, Evaporation rate | Not specified by the manufacturer. |
| Flammability (solid, gas) | Not relevant, see flash point. |
| Comments, Explosion limit | Not specified by the manufacturer. |
| Comments, Vapour pressure | Not specified by the manufacturer. |
| Comments, Vapour density | Not specified by the manufacturer. |
| Density | Value: 1,15 g/cm ³ Temperature: 25 °C |
| Solubility in water | Insoluble. |
| Comments, Partition coefficient: n-octanol / water | Not relevant for a mixture. |
| Comments, Spontaneous combustability | Not specified by the manufacturer. |
| Decomposition temperature | Value: 100 °C |
| Comments, Viscosity | Viscous |
| Explosive properties | Not explosive. |
| Oxidising properties | Not oxidising. |

9.2. Other information**Other physical and chemical properties**

Comments No further information is available.

SECTION 10: Stability and reactivity**10.1. Reactivity**

Reactivity No reactivity hazards.

10.2. Chemical stability

Stability The chemical is stable under normal conditions of storage and use.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions No hazardous reactions known.

10.4. Conditions to avoid

Conditions to avoid Strong heat.

10.5. Incompatible materials

Materials to avoid Strong oxidizing agents. Acids.

10.6. Hazardous decomposition products

Hazardous decomposition products None under normal conditions. See also section 5.2.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological Information:

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| LD50 oral | Value: > 40000 mg/kg Animal test species: Rat Comments: CAS-nr.: 9010-98-4 |
| LD50 dermal | Value: > 2 ml/kg Animal test species: Kanin Comments: CAS-nr.: 64742-94-5 |
| LC50 inhalation | Value: > 590 mg/m ³ Animal test species: Rat Duration: 4 h Comments: CAS-nr.: 64742-94-5 |

Acute toxicity, Mixture estimate

Assessment of acute toxicity classification Based on available data, the classification criteria are not met.

Potential acute effects

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| Inhalation | Low evaporation. |
| Skin contact | Slightly irritating. Degreases the skin. May cause dry skin or cracking of the skin and may also cause eczema. |
| Eye contact | Moderately irritating. |
| Ingestion | May irritate and cause malaise. |
| Assessment corrosion / irritation classification | Based on available data, the classification criteria are not met. |
| Aspiration hazard | Based on available data, the classification criteria are not met. |
| Assessment eye damage or irritation, classification | Based on available data, the classification criteria are not met. |

Delayed effects / repeated exposure

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|------------------------|---|
| Sensitisation | Based on available data, the classification criteria are not met. |
| STOT-single exposure | Based on available data, the classification criteria are not met. |
| STOT-repeated exposure | Based on available data the classification criteria are not met. |

Carcinogenic, Mutagenic or Reprotoxic

| | |
|-----------------------|---|
| Carcinogenicity | Based on available data, the classification criteria are not met. |
| Mutagenicity | Based on available data, the classification criteria are not met. |
| Reproductive toxicity | Based on available data, the classification criteria are not met. |

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity The chemical is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills may be potentially hazardous.

12.2. Persistence and degradability

Persistence and degradability Contains substances that are not considered readily biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

12.4. Mobility in soil

Mobility Insoluble in water.

12.5. Results of PBT and vPvB assessment

PBT assessment results PBT assessment has not been performed.

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|-------------------------|---|
| vPvB evaluation results | vPvB assessment has not been performed. |
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12.6. Other adverse effects

| | |
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| Other adverse effects / Remarks | Do not allow to enter into sewer, water system or soil. Forms an oil film on water surfaces that may harm organisms in the water and disrupt oxygen transport in the boundary layer between air and water. |
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SECTION 13: Disposal considerations

13.1. Waste treatment methods

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| Specify the appropriate methods of disposal | Deliver to authorised waste vendor. |
| Product classified as hazardous waste | No |

SECTION 14: Transport information

14.1. UN number

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| Comments | Not considered as dangerous goods under UN, IMO, ADR/RID or IATA/ICAO regulations. |
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14.2. UN proper shipping name

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| Comments | Not relevant. |
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14.3. Transport hazard class(es)

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| Comments | Not relevant. |
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14.4. Packing group

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| Comments | Not relevant. |
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14.5. Environmental hazards

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| Comments | Not relevant. |
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14.6. Special precautions for user

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| Special safety precautions for user | Not entered. |
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14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

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| Pollution category | Not relevant. |
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SECTION 15: Regulatory information

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

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| References (laws/regulations) | FOR-2012-06-16 nr 622 Norwegian regulation on classification, labeling and packaging of substances and mixtures (CLP), with later amendments. FOR-2008-05-30 nr 516 Norwegian regulation on the registration, evaluation, authorization and restriction of chemicals (REACH Regulation), with later amendments. Norwegian regulations on waste, no. 930/2004, from the Ministry of Environment. Dangerous Goods regulations. |
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15.2. Chemical safety assessment

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| Chemical safety assessment performed | No |
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SECTION 16: Other information

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| Supplier's notes | The information contained in this SDS must be made available to all those who handle the product. |
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| List of relevant H-phrases (Section 2 and 3). | H304 May be fatal if swallowed and enters airways. |
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| Abbreviations and acronyms used | ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road EWC: European Waste Code (a code from the EU's common classification system for waste) IATA: The International Air Transport Association IMDG: The International Maritime Dangerous Goods Code LC50: Median concentration lethal to 50% of a test population. LD50: Lethal dose, is the amount of a substance given to a group of test animals, which causes the death of 50%. PBT: Persistent, Bioaccumulative and Toxic RID: The Regulations concerning the International Carriage of Dangerous Goods by Rail vPvB: very Persistent and very Bioaccumulative |
| Important data sources used to construct the safety data sheet | Suppliers Safety data sheet dated: 09.12.2015 |
| Information which has been added, deleted or revised | New Safety Data Sheet. |
| Checking quality of information | This SDS is quality controlled by Kiwa Teknologisk Institutt in Norway, certified according to the Quality Management System requirements specified in ISO 9001:2008. |
| Version | 1 |
| Responsible for safety data sheet | PazKar Nor AS |
| Prepared by | Teknologisk Institutt as, Norway v/ Knut Finsveen |