

1 Identification of the substance/preparation and of the company/undertaking

- **Product details**
- **Trade name:** *Resitrix*
- **Article number:** *cI, MB, SK, SK P, E SK, GA*
- **Application of the substance / the preparation** *Sealing*
- **Manufacturer/Supplier:**
PHOENIX Dichtungstechnik GmbH (PDT)
Schellerdamm 18
D-21079 Hamburg, Germany
Telefon/Phone: +49 (0)40 788933-210
- **Further information obtainable from:**
Phoenix CT, Abteilung Umweltschutz
Hannoversche Str.88 D - 21079 Hamburg
+49 (0)40 7667 2794
E-Mail: rainer.laugwitz@comp.contitech.de
- **Information in case of emergency:** *+49 (0)40 7667 2233*

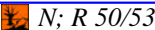

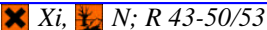


2 Hazards identification

- **Hazard description:** *Not applicable.*
- **Information concerning particular hazards for human and environment:**
The product has been classified in accordance with EU directives / national laws respectively.
In the version put in circulation no danger for the environment or the health will be spread out by the preparation. Following directive 67 / 548 EC, annex VI, point 9.3 it is not necessary to be labelled.
The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
- **Classification system:**
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.
- **GHS label elements** *Void*

3 Composition/information on ingredients

- **Chemical characterization**
- **Description:** *Mixture of substances listed below with nonhazardous additions.*

· **Dangerous components:**

CAS: 8052-42-4 EINECS: 232-490-9	Asphalt		25-50%
CAS: 1333-86-4 EINECS: 215-609-9	Carbon black		10-25%
CAS: 1314-13-2 EINECS: 215-222-5	zinc oxide	 Warning:  4.1.C/I	≤ 0.5%
CAS: 149-30-4 EINECS: 205-736-8	benzothiazole-2-thiol	 Warning:  4.1.C/I;  3.4.S/I	≤ 0.5%

- **Additional information:** *For the wording of the listed risk phrases refer to section 16.*

4 First-aid measures

- **General information:** *No special measures required.*
- **After inhalation:** *Supply fresh air; consult doctor in case of complaints.*
- **After skin contact:** *Generally the product does not irritate the skin.*
- **After eye contact:** *Rinse opened eye for several minutes under running water.*

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· **After swallowing:** *If symptoms persist consult doctor.*

5 Fire-fighting measures

- **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards caused by the substance, its products of combustion or resulting gases:**
*Sulphur dioxide (SO₂)
Carbon monoxide (CO)*
- **Protective equipment:** *No special measures required.*

6 Accidental release measures

- **Person-related safety precautions:** *Not required.*
- **Measures for environmental protection:** *No special measures required.*
- **Measures for cleaning/collecting:** *Pick up mechanically.*
- **Additional information:** *No dangerous substances are released.*

7 Handling and storage

- **Handling:**
- **Information for safe handling:** *No special measures required.*
- **Information about fire - and explosion protection:** *No special measures required.*
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** *No special requirements.*
- **Information about storage in one common storage facility:** *Not required.*
- **Further information about storage conditions:** *None.*

8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** *No further data; see item 7.*
- **Ingredients with limit values that require monitoring at the workplace:**
*Air-Measurements were performed on a Resitrix-covered roof and in a storage room. The concentrations of potential volatile, cancerogenic Nitrosamines were under all limit values.
When working with the product N-Nitrosamines can be liberated. N-Nitrosamines are carcinogenic Group 2.
Limit (D): general background value 0,1 µg/m³*

8052-42-4 Asphalt

WEL	Short-term value: 10 mg/m ³
	Long-term value: 5 mg/m ³

1333-86-4 Carbon black

WEL	Short-term value: 7 mg/m ³
	Long-term value: 3.5 mg/m ³

- **Additional information:** *The lists valid during the making were used as basis.*

- **Personal protective equipment:**
- **General protective and hygienic measures:**
The usual precautionary measures are to be adhered to when handling chemicals.
- **Respiratory protection:** *Not required.*
- **Protection of hands:**
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

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Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:** Not required.

9 Physical and chemical properties

· **General Information**

Form:	Solid
Colour:	Black
Odour:	Characteristic

· **Change in condition**

Melting point/Melting range: Undetermined.

Boiling point/Boiling range: Undetermined.

· **Flash point:** Not applicable.

· **Self-igniting:** Product is not selfigniting.

· **Danger of explosion:** Product does not present an explosion hazard.

· **Density at 20°C:** 1.25 g/cm³

· **Solubility in / Miscibility with water:** Insoluble.

· **Solvent content:**

Organic solvents: 0.0 %

· **Solids content:** 100.0 %

10 Stability and reactivity

· **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

· **Dangerous reactions** No dangerous reactions known.

· **Dangerous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

· **Acute toxicity:**

· **LD/LC50 values relevant for classification:**

1314-13-2 zinc oxide

Oral	LD50	7950 mg/kg (mus)
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149-30-4 benzothiazole-2-thiol

Oral	LD50	100 mg/kg (rat)
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Dermal	LD50	>7940 mg/kg (rbt)
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- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

12 Ecological information

- **General notes:** Generally not hazardous for water

13 Disposal considerations

- **Product:**
- **Recommendation**
Smaller quantities can be disposed of with household waste.
Can be disposed on regard of the technical instructions after consultation with the local authorities and waste disposers. Use one of the following waste key numbers.

- **European waste catalogue**

17 03 02	bituminous mixtures other than those mentioned in 17 03 01
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- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- **Land transport ADR/RID (cross-border)**
- **ADR/RID class:** -

- **Maritime transport IMDG:**
- **IMDG Class:** -
- **Marine pollutant:** No

- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** -

- **UN "Model Regulation":** -
- **Transport/Additional information:** Not dangerous according to the above specifications.

15 Regulatory information

- **Labelling according to EU guidelines:**
Observe the general safety regulations when handling chemicals.
The product has been classified in accordance with EU directives / national laws respectively.
In the version put in circulation no danger for the environment or the health will be spread out by the preparation. Following directive 67 / 548 EC, annex VI, point 9.3 it is not necessary to be labelled.
The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (German GefStoffV).

- **National regulations:**
- **Waterhazard class:** Generally not hazardous for water.

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· **Other regulations, limitations and prohibitive regulations** Subject to the regulations for N-Nitrosamines.

16 Other information

This version replaces the version of: (see header line)

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant R-phrases**

43 May cause sensitisation by skin contact.

50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

· **Department issuing MSDS:** PCT GmbH Abteilung Umweltschutz

· **Contact:** Hr. Dr. Laugwitz

· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent