

Hazard(s) identification

· **Classification of the substance or mixture**

The product is not classified according to the Globally Harmonized System (GHS).

- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC** Not applicable.
- *Information concerning particular hazards for human and environment:* 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 was made according to the latest editions of international substances lists, and expanded upon from company and literature data.

· **Label elements**

- **GHS label elements** Void
- *Hazard pictograms* Void
- *Signal word* Void
- *Hazard statements* Void
- **Classification system:**
- *NFPA ratings (scale 0 - 4)*



Health = 0
Fire = 1
Reactivity = 0

- *WHMIS-ratings (scale 0 - 4)*



HEALTH 0 Health = 0
FIRE 1 Fire = 1
REACTIVITY 0 Reactivity = 0

- *Results of PBT and vPvB assessment*
- *PBT:* Not applicable.
- *vPvB:* Not applicable.

Composition/information on ingredients

- **Chemical characterization: Mixtures**
- **Description:** Mixture of the substances listed below with nonhazardous additions.
- **Dangerous components:**
64742-16-1 Flüssiges Kohlenwasserstoffharz 2.5-10%
- **Additional information:** For the wording of the listed risk phrases refer to section 16.



First-aid measures

- **Description of first aid measures**
- **General information:** No special measures required.
- **After inhalation:** Supply fresh air; consult doctor in case of complications.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.
- **Most important symptoms and effects, both acute and delayed**
No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
Use fire fighting measures that suit the environment.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Ensure adequate ventilation
Wear protective clothing.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **Reference to other sections**
No dangerous substances are released.
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

Handling and storage

- **Precautions for safe handling** Avoid contact with the eyes.



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- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **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:* Store in dry conditions.
- **Specific end use(s)** No further relevant information available.

Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**
- **Components with limit values that require monitoring at the workplace:**
 - The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
 - *Additional information:* The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
 - *General protective and hygienic measures:*
 - The usual precautionary measures for handling chemicals should be followed.
 - Wash hands before breaks and at the end of work.
 - *Breathing equipment:* Not necessary if room is well-ventilated.
 - *Protection of hands:* Not required.
 - *Material of gloves*
 - Butyl rubber, BR
 - Nitrile rubber, NBR
 - *Eye protection:* Goggles recommended during refilling.
 - *Body protection:* Protective work clothing

Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General Information**
- *Appearance:*
 - *Form:* Fluid
 - *Color:* Green
- *Odor:* Characteristic
- *Odour threshold:* Not determined.
- **pH-value:** Not determined.
- **Change in condition**
 - *Boiling point/Boiling range:* 301 °C (574 °F)
- **Flash point:** 127 °C (261 °F)
- **Flammability (solid, gaseous):** Not applicable.
- **Ignition temperature:** 420 °C (788 °F)
- *Decomposition temperature:* Not determined.
- **Auto igniting:** Product is not selfigniting.



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- **Danger of explosion:** Product does not present an explosion hazard.
- **Explosion limits:**
 - Lower: Not determined.
 - Upper: Not determined.
- **Vapor pressure at 20 °C (68 °F):** 3 hPa (2 mm Hg)
- **Density at 20 °C (68 °F):** 1.55 g/cm³ (12.935 lbs/gal)
- *Relative density* Not determined.
- *Vapour density* Not determined.
- *Evaporation rate* Not determined.
- **Solubility in / Miscibility with**
 - Water:* Not miscible or difficult to mix.
- **Partition coefficient (n-octanol/water):** Not determined.
- **Viscosity:**
 - Dynamic at 20 °C (68 °F):* 160000 mPas
 - Kinematic:* Not determined.
- **Solvent content:**
 - Organic solvents:* 0.0 %
 - VOC Content:* 0.00 %
- **Other information** No further relevant information available.

Stability and reactivity

- **Reactivity**
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
 - *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 internally approved calculation methods for preparations:
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.
- *Carcinogenic categories*
- *IARC (International Agency for Research on Cancer)*
1318-02-1 Zeolith A3 3



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- *NTP (National Toxicology Program)*
None of the ingredients is listed.
- *OSHA-Ca (Occupational Safety & Health Administration)*
None of the ingredients is listed.

Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- *General notes:*
Water hazard class 1 (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

Disposal considerations

- **Waste treatment methods**
- **Recommendation:** Smaller quantities can be disposed of with household waste.
- **Uncleaned packagings:**
- *Recommendation:* Disposal must be made according to official regulations.

Transport information

- **UN-Number**
- **DOT, ADR, ADN, IMDG, IATA** Void
- **UN proper shipping name**
- **DOT, ADR, ADN, IMDG, IATA** Void
- **Transport hazard class(es)**
- **DOT, ADR, ADN, IMDG, IATA**
- *Class* Void
- **Packing group**
- **DOT, ADR, IMDG, IATA** Void
- **Environmental hazards:**
- **Marine pollutant:** No
- **Special precautions for user** Not applicable.
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.
- **UN "Model Regulation":** -



Regulatory information

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

· *Sara*

· *Section 355 (extremely hazardous substances):*

None of the ingredient is listed.

· *Section 313 (Specific toxic chemical listings):*

1308-38-9 dichromium trioxide

· *TSCA (Toxic Substances Control Act):*

1317-65-3 calciumcarbonate

8001-79-4 Castor oil

64742-16-1 Flüssiges Kohlenwasserstoffharz

123-26-2 Luvotix HT

1308-38-9 dichromium trioxide

125643-61-0 A mixture of isomers of: C7-9-alkyl-3-(3,5-di-trans-butyl-4-hydroxyphenyl)propionate

69011-20-7 Regler ZL

· *Proposition 65*

· *Chemicals known to cause cancer:*

None of the ingredients is listed.

· *Chemicals known to cause reproductive toxicity for females:*

None of the ingredients is listed.

· *Chemicals known to cause reproductive toxicity for males:*

None of the ingredients is listed.

· *Chemicals known to cause developmental toxicity:*

None of the ingredients is listed.

· *Canadian Ingredient disclosure list*

· *Limit 0,1%*

None of the ingredients is listed.

· *Limit 1%*

None of the ingredients is listed.

· *Cancerogenity categories*

· *EPA (Environmental Protection Agency)*

1308-38-9 dichromium trioxide D, CBD

· *TLV (Threshold Limit Value established by ACGIH)*

1308-38-9 dichromium trioxide A4

· *MAK (German Maximum Workplace Concentration)*

None of the ingredients is listed.

· *NIOSH-Ca (National Institute for Occupational Safety and Health)*

None of the ingredients is listed.

· **National regulations:**

· *Technical instructions (air):*

Class Share in %

III ≤ 2,5

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· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out. *(Contd. of page 6)*

Other information

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.

Hazard(s) identification

· Classification of the substance or mixture



GHS08 Health hazard

Resp. Sens. 1 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Carc. 2 H351 Suspected of causing cancer.
STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure.



GHS07

Accute Tx 4 H332 Harmful if inhaled.
Skin Irrit. 2 H315 Causes skin irritation.
Eye Irrit. 2 H319 Causes serious eye irritation.
Skin Sens. 1 H317 May cause an allergic skin reaction.
STOT SE 3 H335 May cause respiratory irritation.

· Classification according to Directive 67/548/EEC or Directive 1999/45/EC



Harmful

Harmful by inhalation. Limited evidence of a carcinogenic effect. Harmful: danger of serious damage to health by prolonged exposure through inhalation.



Irritant

Irritating to eyes, respiratory system and skin. May cause sensitization by inhalation and skin contact.

Carc. Cat. 3 · *Information concerning particular hazards for human and environment:* Not applicable.

· Label elements

· GHS label elements

The substance is classified and labeled according to the Globally Harmonized System (GHS).

· Hazard pictograms



GHS07



GHS08



Stability and reactivity

- **Reactivity**
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **Possibility of hazardous reactions**
Reacts with water.
Exothermic reaction with amines and alcohols; reacts with water forming CO₂; in closed containers, risk of bursting owing to increase of pressure.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- *LD/LC50 values that are relevant for classification:*

Oral	LD50	>10000 mg/kg (Ratte)
Dermal	LD50	>10000 mg/kg (rabbit)
Inhalative	LC50	0.493 mg/l (Ratte) (4h)
- **9016-87-9 diphenylmethanediisocyanate, isomeres and homologues**

Oral	LD50	> 2000 mg/kg (Ratte)
Dermal	LD50	> 9400 mg/kg (rab) (OECD- Prüfrichtlinie 402)
Inhalative	LC50/48 h	490 mg/l (Ratte) (als Aerosol, Exposition)
- *Primary irritant effect:*
- *on the skin:* Irritant to skin and mucous membranes.
- *on the eye:* Irritating effect.
- *Sensitization:*
Sensitization possible through inhalation.
Sensitization possible through skin contact.
- **Additional toxicological information:**
- *Carcinogenic categories*
- *IARC (International Agency for Research on Cancer)*
9016-87-9 diphenylmethanediisocyanate, isomeres and homologues 3
- *NTP (National Toxicology Program)*
Substance is not listed.
- *OSHA-Ca (Occupational Safety & Health Administration)*
Substance is not listed.



Regulatory information

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

· *Sara*

· *Section 355 (extremely hazardous substances):*

Substance is not listed.

· *Section 313 (Specific toxic chemical listings):*

Substance is listed.

· *TSCA (Toxic Substances Control Act):*

Substance is listed.

· *Proposition 65*

· *Chemicals known to cause cancer:*

Substance is not listed.

· *Chemicals known to cause reproductive toxicity for females:*

Substance is not listed.

· *Chemicals known to cause reproductive toxicity for males:*

Substance is not listed.

· *Chemicals known to cause developmental toxicity:*

Substance is not listed.

· *Canadian Ingredient disclosure list*

· *Limit 0,1%*

Substance is not listed.

· *Limit 1%*

Substance is not listed.

· *Carcinogenicity categories*

· *EPA (Environmental Protection Agency)*

9016-87-9 diphenylmethanediisocyanate, isomers and homologues CBD

· *TLV (Threshold Limit Value established by ACGIH)*

Substance is not listed.

· *MAK (German Maximum Workplace Concentration)*

9016-87-9 diphenylmethanediisocyanate, isomers and homologues 4

· *NIOSH-Ca (National Institute for Occupational Safety and Health)*

Substance is not listed.

· **National regulations:**

· *Technical instructions (air):*

Class Share in %

I 50-100

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.



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Other information

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.