



1 Identification

- **Product identifier**
- **Trade name:** STAUF R701A
- **Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Details of the supplier of the safety data sheet**
- **Manufacturer:**
STAUF Klebstoffwerk GmbH
Oberhausener Strasse 1
57234 Wilnsdorf, Germany
Phone 01149-273-930-1100
Fax 01149-273-930-1200
- **Distributor:**
STAUF USA, LLC.
11121 Hwy 70 Suite 102
Arlington, TN 38002, USA
Phone 1-901-820-0007
Fax 1-901-820-0101
- **Emergency telephone number:** CHEMTREC 1-800-424-9300 (USA) 1-703-527-3887 (International)

2 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**
 Irritant
 May cause sensitization by skin contact.
- *Information concerning particular hazards for human and environment:*
The product has 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 | 1 | Health = 1 |
| FIRE | 1 | Fire = 1 |
| REACTIVITY | 0 | Reactivity = 0 |
- **Results of PBT and vPvB assessment**
- *PBT:* Not applicable.

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· vPvB: Not applicable.

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3 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.

4 First-aid measures

- **Description of first aid measures**
- **After inhalation:**
Supply fresh air and to be sure call for a doctor.
In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** Do not induce vomiting; immediately call for medical help.
- **Information for 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.

5 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:** Do not inhale explosion gases or combustion gases.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Ensure adequate ventilation
Wear protective clothing.
- **Environmental precautions:**
Do not allow product to reach sewage system or any water course.
Inform respective authorities in case of seepage into water course or sewage system.
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).
Ensure adequate ventilation.
- **Reference to other sections**
No dangerous substances are released.
See Section 7 for information on safe handling.

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See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

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7 Handling and storage

- **Handling:**
- **Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
- **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.

8 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:*
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
 - *Breathing equipment:*
Not necessary if room is well-ventilated.
Use suitable respiratory protective device in case of insufficient ventilation.
 - *Protection of hands:*



Protective gloves

- *Material of gloves*
Butyl rubber, BR
Nitrile rubber, NBR
Natural rubber, NR
- *Eye protection:* Goggles recommended during refilling.
- *Body protection:* Protective work clothing

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Trade name: STAUF R701A

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9 Physical and chemical properties

· Information on basic physical and chemical properties

· General Information

· Appearance:

Form: Solid

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.

· 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.

10 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.

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- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Information on toxicological effects**

- **Acute toxicity:**

- *Primary irritant effect:*
- *on the skin:* No irritant effect.
- *on the eye:* No irritating effect.
- *Sensitization:* Sensitization possible through skin contact.

- **Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations:

Irritant

- *Carcinogenic categories*

- *IARC (International Agency for Research on Cancer)*

| | | |
|-----------|------------|---|
| 1318-02-1 | Zeolith A3 | 3 |
|-----------|------------|---|

- *NTP (National Toxicology Program)*

None of the ingredients is listed.

- *OSHA-Ca (Occupational Safety & Health Administration)*

None of the ingredients is listed.

12 Ecological information

- **Toxicity**

- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.

- **Behavior in environmental systems:**

- **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.

13 Disposal considerations

- **Waste treatment methods**

- **Recommendation:** If product has aged or solidified conventional means of disposal are acceptable.

- **Uncleaned packagings:**

- **Recommendation:** Disposal must be made according to official regulations.

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- **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 |

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

16 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.

- **Department issuing SDS:** Technical Department

- **Contact:** Wolfgang Stauf, Phone 901-820-0007, Email wolfgang.stauf@staufusa.com

- **Date of preparation / last revision** 01/17/2017 / 127

- **Abbreviations and acronyms:**

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

ICAO: International Civil Aviation Organisation

1 Identification

- **Product identifier**
- **Trade name:** STAUF R701B
- **Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- *Application of the substance / the mixture* Hardening agent/ Curing agent
- **Details of the supplier of the safety data sheet**
- **Manufacturer:**
STAUF Klebstoffwerk GmbH
Oberhausener Strasse 1
57234 Wilnsdorf, Germany
Phone 01149-273-930-1100
Fax 01149-273-930-1200
- **Distributor:**
STAUF USA, LLC.
11121 Hwy 70 Suite 102
Arlington, TN 38002, USA
Phone 1-901-820-0007
Fax 1-901-820-0101

2 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

Acute Tox. 4 H332 Harmful if inhaled.

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2A 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.

- *Information concerning particular hazards for human and environment:*

The product has 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.

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Trade name: STAUF R701B

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- **Label elements**

- **GHS label elements**

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

- **Hazard pictograms**



GHS07 GHS08

- **Signal word** Danger

- **Hazard-determining components of labeling:**

diphenylmethanediisocyanate, isomeres and homologues

diphenylmethane-4,4'-di-isocyanate

- **Hazard statements**

H332 Harmful if inhaled.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H317 May cause an allergic skin reaction.

H351 Suspected of causing cancer.

H335 May cause respiratory irritation.

H373 May cause damage to organs through prolonged or repeated exposure.

- **Precautionary statements**

P260 Do not breathe dust/fume/gas/mist/vapors/spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352 If on skin: Wash with plenty of water.

P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Classification system:**

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



Health = 1

Fire = 1

Reactivity = 0

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



Health = *3

Fire = 1

Reactivity = 0

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

3 Composition/information on ingredients

- **Chemical characterization: Substances**

- **CAS No. Description**

9016-87-9 diphenylmethanediisocyanate, isomeres and homologues

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Trade name: STAUF R701B

(Contd. of page 2)

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

· **Dangerous components:**

| | | |
|-----------|--|---------|
| 9016-87-9 | diphenylmethanediisocyanate, isomeres and homologues | 50-100% |
| 101-68-8 | diphenylmethane-4,4'-di-isocyanate | 25-50% |

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

4 First-aid measures

- **Description of first aid measures**
- **General information:**
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
- **After inhalation:**
Supply fresh air and to be sure call for a doctor.
In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:**
If skin irritation continues, consult a doctor.
Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:**
Rinse opened eye for several minutes under running water. Then consult a doctor.
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** Do not induce vomiting; immediately call for medical help.
- **Information for doctor:**
 - *Most important symptoms and effects, both acute and delayed*
Breathing difficulty
Coughing
Asthma attacks
 - *Danger* Danger of impaired breathing.
 - *Indication of any immediate medical attention and special treatment needed*
No further relevant information available.

5 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**
In case of fire, the following can be released:
Carbon monoxide (CO)
Nitrogen oxides (NO_x)
(Traces)
Hydrogen cyanide (HCN)
- **Advice for firefighters**
- **Protective equipment:**
Wear fully protective suit.
Do not inhale explosion gases or combustion gases.
Mount respiratory protective device.

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Wear self-contained respiratory protective device.

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6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

Wear protective clothing.

- **Environmental precautions:**

Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system.

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).

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

- **Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7 Handling and storage

- **Handling:**

- **Precautions for safe handling**

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

- **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:*

Protect from frost.

Keep receptacle tightly sealed.

- **Specific end use(s)** No further relevant information available.

8 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:**

101-68-8 diphenylmethane-4,4'-di-isocyanate

PEL Ceiling limit value: 0.2 mg/m³, 0.02 ppm

REL Long-term value: 0.05 mg/m³, 0.005 ppm
 Ceiling limit value: 0.2* mg/m³, 0.02* ppm
 *10-min

TLV Long-term value: 0.051 mg/m³, 0.005 ppm

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

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Trade name: STAUF R701B

(Contd. of page 4)

- **Exposure controls**
- **Personal protective equipment:**
 - *General protective and hygienic measures:*
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.
 - *Breathing equipment:*
Not necessary if room is well-ventilated.
Use suitable respiratory protective device in case of insufficient ventilation.
 - *Protection of hands:* Not required.
 - *Material of gloves*
Butyl rubber, BR
Nitrile rubber, NBR
 - *As protection from splashes gloves made of the following materials are suitable:* Natural rubber, NR
 - *Eye protection:*



Tightly sealed goggles

- *Body protection:* Protective work clothing

9 Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General Information**
 - *Appearance:*

| | |
|--------|------------|
| Form: | Fluid |
| Color: | Dark brown |
 - *Odor:* Weak, characteristic
 - *Odour threshold:* Not determined.
 - **pH-value:** Not determined.
 - **Change in condition**

| | |
|------------------------------|---------------|
| Boiling point/Boiling range: | Undetermined. |
| Setting temperature / range: | 0 °C (32 °F) |
 - **Flash point:** 201 °C (394 °F)
 - **Flammability (solid, gaseous):** Not applicable.
 - **Ignition temperature:** 400 °C (752 °F)
 - *Decomposition temperature:* Not determined.
 - **Auto igniting:** Product is not selfigniting.
 - **Danger of explosion:** Product does not present an explosion hazard.
 - **Explosion limits:**

| | |
|--------|-----------------|
| Lower: | 0.4 Vol % |
| Upper: | Not determined. |
 - **Vapor pressure at 20 °C (68 °F):** 11 hPa (8 mm Hg)
 - **Density at 20 °C (68 °F):** 1.22 g/cm³ (10.181 lbs/gal)
 - *Relative density* Not determined.

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- *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): 220 mPas
Kinematic: Not determined.
- **Solvent content:**
Organic solvents: 0.0 %
VOC Content: 0.00 %
- **Other information** No further relevant information available.

10 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.

11 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) |

101-68-8 diphenylmethane-4,4'-di-isocyanate

| | | |
|------------|----------|---|
| Oral | LD50 | > 2000 mg/kg (Ratte) (Richtlinie 84/449/EWG, B.1) |
| Dermal | LD50 | >9400 mg/kg (rab) (OECD- Prüfrichtlinie 402) |
| Inhalative | LC50/ 4h | 0.368 mg/l (Ratte) |

- *Primary irritant effect:*
- *on the skin:* Irritant to skin and mucous membranes.
- *on the eye:* Irritating effect.
- *Sensitization:*
 Sensitization possible through inhalation.

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Trade name: STAUF R701B

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Sensitization possible through skin contact.

· **Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations:

Harmful
Irritant

· *Carcinogenic categories*

· *IARC (International Agency for Research on Cancer)*

| | | |
|-----------|--|---|
| 9016-87-9 | diphenylmethanediisocyanate, isomeres and homologues | 3 |
| 101-68-8 | diphenylmethane-4,4'-di-isocyanate | 3 |

· *NTP (National Toxicology Program)*

None of the ingredients is listed.

· *OSHA-Ca (Occupational Safety & Health Administration)*

None of the ingredients is listed.

12 Ecological information

· **Toxicity**

· **Aquatic toxicity:**

| | |
|-----|---|
| EC0 | > 500 mg/l (Daphnia magna Wasserfloh) (24h) |
| | 1640 mg/l (Scenedesmus subspicatus) (72h) |
| LC0 | > 1000 mg/l (Fisch) (96h) |

9016-87-9 diphenylmethanediisocyanate, isomeres and homologues

| | |
|------|---|
| EC50 | >1000 mg/l (Daphnia magna Wasserfloh) (OECD-Prüfrichtlinie 202) |
| LC0 | >1000 mg/l (Fisch) (96h) |

101-68-8 diphenylmethane-4,4'-di-isocyanate

| | |
|-----------|---|
| EC50 | >1000 mg/l (Daphnia magna Wasserfloh) (OECD-Prüfrichtlinie 202) |
| LC50/ 96h | >1000 mg/l (Danio rerio (Zebraabärbling)) (OECD-Prüfrichtlinie 203) |
| NOEC | >10 mg/l (Daphnia magna Wasserfloh) (OECD-Prüfrichtlinie 202 (Fortpflanzung)) |

· **Persistence and degradability** Heavily biodegradable

· **Behavior in environmental systems:**

· **Bioaccumulative potential** Not worth-mentioning accumulating in organisms

· **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.

US

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Reviewed on 01/17/2017

Trade name: STAUF R701B

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- *Canadian Ingredient disclosure list*

- *Limit 0,1%*

| | |
|----------|------------------------------------|
| 101-68-8 | diphenylmethane-4,4'-di-isocyanate |
|----------|------------------------------------|

- *Limit 1%*

| | |
|------------------------------------|--|
| None of the ingredients is listed. | |
|------------------------------------|--|

- *Cancerogenity categories*

- *EPA (Environmental Protection Agency)*

| | | |
|-----------|--|--------|
| 9016-87-9 | diphenylmethanediisocyanate, isomeres and homologues | CBD |
| 101-68-8 | diphenylmethane-4,4'-di-isocyanate | D, CBD |

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

| | |
|------------------------------------|--|
| None of the ingredients is listed. | |
|------------------------------------|--|

- *MAK (German Maximum Workplace Concentration)*

| | | |
|-----------|--|---|
| 9016-87-9 | diphenylmethanediisocyanate, isomeres and homologues | 4 |
| 101-68-8 | diphenylmethane-4,4'-di-isocyanate | 4 |

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

| | |
|------------------------------------|--|
| None of the ingredients is listed. | |
|------------------------------------|--|

- **National regulations:**

- *Technical instructions (air):*

| Class | Share in % |
|-------|------------|
| I | 50-100 |

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

16 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.

- **Department issuing SDS:** Technical Department
- **Contact:** Wolfgang Stauf, Phone 901-820-0007, Email wolfgang.stauf@staufusa.com
- **Date of preparation / last revision** 01/17/2017 / 105

- **Abbreviations and acronyms:**

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

ICAO: International Civil Aviation Organisation

Acute Tox. 4: Acute toxicity, Hazard Category 4

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A

Resp. Sens. 1: Sensitisation - Respirat., Hazard Category 1

Skin Sens. 1: Sensitisation - Skin, Hazard Category 1

Carc. 2: Carcinogenicity, Hazard Category 2

STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3

STOT RE 2: Specific target organ toxicity - Repeated exposure, Hazard Category 2