

Printing date: 18.02.2022

Reviewed on: 17.02.2022

01 Identification

- **1.1 Product identifier**
- **Trade name:**
STAUF R 701 Comp. A
- Article number:
124410
- Product Group
2-component polyurethane adhesive
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- Product category
PC1 Adhesives, sealants
- Application of the substance / the preparation
Adhesives
- **1.3 Details of the supplier of the safety data sheet**
- 01.02 Distributor:
STAUF USA, LLC.
835 Herbert Road Cordova, TN 38018
Phone 001-866-458-3872
- **1.5 Emergency telephone number:**
United States and Canada: +1 202 464 2554

02 Hazard(s) identification

- **2.1 Classification of the substance or mixture**



GHS07

Skin Sens. 1 - H317 May cause an allergic skin reaction.

- **2.2 Label elements**
- GHS label elements
- Hazard pictograms



GHS07

- Signal word
Warning

- Hazard-determining components of labeling:
Hydrocarbons, C9 unsaturated, polymerized
- Hazard statements
H317 May cause an allergic skin reaction.
- Precautionary statements
P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read label before use.
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.
P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/ national/international regulations.
- **NFPA ratings (scale 0 - 4)**

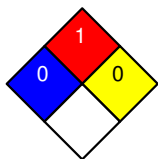
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 Health = 0
 Fire = 1
 Reactivity = 0

 Health = 0
 Fire = 1
 Reactivity = 0

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

Health	0
Fire	1
Reactivity	0

 Health = 0
 Fire = 1
 Reactivity = 0

 Health = 0
 Fire = 1
 Reactivity = 0

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

03 Composition/information on ingredients

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

- **Dangerous components:**

CAS Number		%
71302-83-5	Hydrocarbons, C9 unsaturated, polymerized	5,00- 12,50
	Reg. nr.: 01-2119555292-40-0000	
	⚠ Skin Sens. 1 - H317; Aquatic Chronic 3	
	- H412	

- **Additional information:**
For the wording of the listed risk phrases refer to section 16.
Please also observe the safety data sheet for the hardener component.

04 First-aid measures

- **After inhalation:**
Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.
- **After skin contact:**
Immediately wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.
- **After eye contact:**
Rinse opened eye for several minutes under running water. Then consult a doctor.
Remove contact lenses, if present and easy to do.
- **After swallowing:**
Do not induce vomiting; immediately call for medical help.
- **Information for doctor:**
- **4.2 Most important symptoms and effects, both acute and delayed**
Allergic reactions
Irritation

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- **4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

05 Fire-fighting measures

- **Suitable extinguishing agents:**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:**
Water with full jet
- **5.2 Special hazards arising from the substance or mixture**
No further relevant information available.
- **5.3 Advice for firefighters**
Do not inhale explosion gases or combustion gases.
- **Protective equipment:**
Wear self-contained respiratory protective device.
- **Additional information**
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

06 Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Ensure adequate ventilation
Wear protective clothing.
- **6.2 Environmental precautions:**
Prevent seepage into sewage system, workpits and cellars.
Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **6.4 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.
- **Protective Action Criteria for Chemicals**
- **PAC-1:**
26896-20-8 Neodecanoic acid : 6 mg/m³ (%)
7664-38-2 phosphoric acid ...% : 3 mg/m³ (0,4 %)
- **PAC-2:**
26896-20-8 Neodecanoic acid : 66 mg/m³
7664-38-2 phosphoric acid ...% : 30 mg/m³
- **PAC-3:**
26896-20-8 Neodecanoic acid : 400 mg/m³
7664-38-2 phosphoric acid ...% : 150 mg/m³

07 Handling and storage

- **Handling:**
- **7.1 Precautions for safe handling**
Use only in well ventilated areas.
Avoid contact with the eyes and skin.
- **Information about protection against explosions and fires:**
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:**
Keep receptacle tightly sealed.
- **7.3 Specific end use(s)**
No further relevant information available.

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08 Exposure controls/personal protection

- **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.
- DNELs
71302-83-5 Hydrocarbons, C9 unsaturated, polymerized
Dermal, DNEL: 16,4 mg/kg (Workers)
Inhalative, DNEL: 57 mg/m³ (Workers)
- **Additional information:**
The lists that were valid during the creation were used as basis.
- **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, using skin care products.
Keep away from foodstuffs, beverages and feed.
Avoid contact with the eyes, skin and clothes.
- **Breathing equipment: Not necessary if room is well-ventilated.**
- **Protection of hands: After use of gloves apply skin-cleaning agents and skin cosmetics.**
- Material of gloves
Butyl rubber, BR
Nitrile rubber, NBR
Natural rubber, NR
- 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: Tightly sealed and solvent resistant goggles**
- **Body protection: Protective work clothing**

09 Physical and chemical properties

General Information	
Appearance:	
Form:	Fluid
Color:	Light beige
Odor:	Weak, characteristic
Odor threshold:	Characteristic
pH-value:	Not determined.
Change in condition	
Boiling point/Boiling range:	351 °C
Flash point:	151 °C
Flammability (solid, gaseous):	Not applicable.
Ignition temperature:	451 °C
Decomposition temperature:	Not determined.
Auto igniting:	Not determined.
Danger of explosion:	Not determined.
Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
Vapor pressure:	at 20 °C 1,000 hPa
Density:	1,5300 - 1,5800 g/cm ³
Solubility in / Miscibility with	
Water:	Not miscible or difficult to mix.
Viscosity:	
Dynamic:	at 20 °C 120 - 180 Pa.s
9.2 Other information	No further relevant information available.

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10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions**
No dangerous reactions known.
- **10.4 Conditions to avoid**
No further relevant information available.
- **10.5 Incompatible materials:**
No further relevant information available.
- **Dangerous reactions**
No dangerous reactions known.
- **10.6 Hazardous decomposition products:**
Does not decompose when used like intended.

11 Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity:**
- **LD/LC50 values that are relevant for classification:**
71302-83-5 Hydrocarbons, C9 unsaturated, polymerized
Oral, LD50: >2000 mg/kg (rat)
Dermal, LD50: >2000 mg/kg (rat)
Inhalative, LC50/4h: >5 mg/l (rat)
- **Primary irritant effect:**
- on the skin:
No irritant effect.
- on the eye:
Direct contact to eyes can be irritating.
- **Sensitization:**
Sensitization possible through skin contact.
- OSHA-Ca (Occupational Safety & Health Administration)
None of the ingredients is listed.

12 Ecological information

- Aquatic toxicity:
71302-83-5 Hydrocarbons, C9 unsaturated, polymerized
EL50 (48h): 54 mg/l (daphnie)
EL50 72h: >100 mg/l (alga)
LL50 (96h): 25,8 mg/l (fish)
- **12.2 Persistence and degradability**
No further relevant information available.
- **Behavior in environmental systems:**
- **12.3 Bioaccumulative potential**
No further relevant information available.
- 12.4 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.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:**
Not applicable.
- **vPvB:**
Not applicable.
- **12.6 Other adverse effects**
No further relevant information available.

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13 Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation:**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
- **Recommendation:**
Disposal must be made according to official regulations.

14 Transport information

- **14.1 UN-Number**
- DOT* Void
- ADR* Void
- IMDG* Void
- IATA* Void
- **14.2 UN proper shipping name**
- DOT* Void
- ADR* Void
- IMDG* Void
- IATA* Void
- **14.3 Transport hazard class(es)**
- DOT*
- Class* Void
- ADR*
- Class* Void
- IMDG*
- Class* Void
- IATA*
- Class* Void
- **14.4 Packing group**
- DOT* Void
- ADR* Void
- IMDG* Void
- IATA* Void
- **14.5 Environmental hazards:**
Not applicable.
- **14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**
Not applicable.

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Sara**
- Section 355 (extremely hazardous substances):
None of the ingredients is listed.
- Section 313 (Specific toxic chemical listings):
7664-38-2 phosphoric acid ...%
- **TSCA (Toxic Substances Control Act):**
All ingredients are listed.
- **Proposition 65**
- Chemicals known to cause cancer:
None of the ingredients is listed.
- Chemicals known to cause reproductive toxicity for females:

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- 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.
 - **Carcinogenic categories**
 - **EPA (Environmental Protection Agency)**
None of the ingredients is listed.
 - **NIOSH-Ca (National Institute for Occupational Safety and Health)**
None of the ingredients is listed.
 - **National regulations:**
 - **Water hazard class:**
Water hazard class 1 (Self-assessment): slightly hazardous for water.
 - **New Jersey Right-to-Know List:**
7664-38-2 phosphoric acid ...%
 - **New Jersey Special Hazardous Substance List:**
7664-38-2 phosphoric acid ...% : CO
 - **Pennsylvania Right-to-Know List:**
7664-38-2 phosphoric acid ...%
 - **Pennsylvania Special Hazardous Substance List:**
7664-38-2 phosphoric acid ...% : E
 - **Hazardous Air Pollutants**
None of the ingredients is listed.
 - **15.2 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 MSDS:**
Technical Department
- **Date of preparation / last revision**
17.02.2022
- **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
 DOT: US Department of Transportation
 IATA: International Air Transport Association
 ICAO: International Civil Aviation Organisation
 GHS: Globally Harmonised System of Classification and Labelling of Chemicals
 CAS: Chemical Abstracts Service (division of the American Chemical Society)
 NFPA: National Fire Protection Association (USA)
 HMIS: Hazardous Materials Identification System (USA)
 DNEL: Derived No-Effect Level (REACH)
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent
 PBT: Persistent, Bioaccumulative and Toxic
 vPvB: very Persistent and very Bioaccumulative
- *** Data compared to the previous version altered.**

01 Identification

- **1.1 Product identifier**
- **Trade name:**
STAUF R 701 Hardener
- Product Group
Isocyanate hardener
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- Product category
PC1 Adhesives, sealants
- Application of the substance / the preparation
Hardening agent/ Curing agent
- **1.3 Details of the supplier of the safety data sheet**
- 01.02 Distributor:
Advanced Adhesive Technology
STAUF USA, LLC.
835 Herbert Road Cordova, TN 38018
Phone 001-866-458-3872
- **1.5 Emergency telephone number:**
United States and Canada: +1 202 464 2554

02 Hazard(s) identification

- **2.1 Classification of the substance or mixture**



GHS08

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.

- **2.2 Label elements**
- GHS label elements
- Hazard pictograms



GHS08



GHS07

- Signal word
Danger

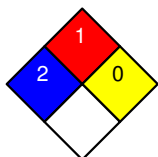
- Hazard-determining components of labeling:
diphenylmethanediisocyanate, isomeres and homologues
- Hazard statements
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

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- H317 May cause an allergic skin reaction.
 H351 Suspected of causing cancer.
 H373 May cause damage to organs through prolonged or repeated exposure.
 H332 Harmful if inhaled.
 H335 May cause respiratory irritation.
- Precautionary statements
 P101 If medical advice is needed, have product container or label at hand.
 P102 Keep out of reach of children.
 P103 Read label before use.
 P260 Do not breathe dust/fume/gas/mist/vapors/spray.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P302+P352 If on skin: Wash with plenty of water.
 P405 Store locked up.
 P501 Dispose of contents/container in accordance with local/regional/ national/international regulations.

• **NFPA ratings (scale 0 - 4)**

Health = 2
 Fire = 1
 Reactivity = 0

Health = 2
 Fire = 1
 Reactivity = 0

• **HMIS-ratings (scale 0 - 4)**

Health = *2
 Fire = 1
 Reactivity = 0

Health = *2
 Fire = 1
 Reactivity = 0

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

03 Composition/information on ingredients

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

• **Dangerous components:**

CAS Number		%
9016-87-9	diphenylmethanediisocyanate, isomeres and homologues Carc. 2 ⚠ Resp. Sens. 1 - H334, Carc. 2 - H351, STOT RE 2 - H373; ⚠ Acute Tox. 4 - H332, Skin Irrit. 2 - H315, Eye Irrit. 2A - H319,	85,00-100,00

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Skin Sens. 1 - H317, STOT SE 3 - H335

• **Additional information:**

For the wording of the listed risk phrases refer to section 16.

04 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.

Take affected persons out into the fresh air.

• **After inhalation:**

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

• **After skin contact:**

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

• **After eye contact:**

Rinse opened eye for several minutes under running water. Then consult a doctor.

Remove contact lenses, if present and easy to do.

• **After swallowing:**

Do not induce vomiting; immediately call for medical help.

• **Information for doctor:**

• **4.2 Most important symptoms and effects, both acute and delayed**

Allergic reactions

Irritation

• **4.3 Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

05 Fire-fighting measures

• **Suitable extinguishing agents:**

CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

• **For safety reasons unsuitable extinguishing agents:**

Water with full jet

• **5.2 Special hazards arising from the substance or mixture**

Burning releases carbon monoxide, carbon dioxide, oxides of nitrogen, isocyanate vapors and traces of hydrogen cyanide. In the event of fire and/or explosion do not breathe fumes.

• **5.3 Advice for firefighters**

Do not inhale explosion gases or combustion gases.

• **Protective equipment:**

Wear self-contained respiratory protective device.

• **Additional information**

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

06 Accidental release measures

• **6.1 Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation

Wear protective clothing.

• **6.2 Environmental precautions:**

Prevent seepage into sewage system, workpits and cellars.

Do not allow to enter sewers/ surface or ground water.

• **6.3 Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

• **6.4 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.

• **Protective Action Criteria for Chemicals**

• PAC-1:

None of the ingredients is listed.

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- PAC-2:
None of the ingredients is listed.
- PAC-3:
None of the ingredients is listed.

07 Handling and storage

- **Handling:**
- **7.1 Precautions for safe handling**
Keep away from heat and direct sunlight.
Use only in well ventilated areas.
Avoid contact with eyes, skin and clothes.
- **Information about protection against explosions and fires:**
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:**
Keep receptacle tightly sealed.
Protect from heat and direct sunlight.
Store in dry conditions.
- **7.3 Specific end use(s)**
No further relevant information available.

08 Exposure controls/personal protection

- **Components with limit values that require monitoring at the workplace:**

9016-87-9 *diphenylmethanediisocyanate, isomeres and homologues*

TWA

<i>Long-term value</i>	<i>0,005</i>	<i>ppm</i>
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CAS 101-68-8

- DNELs
- 9016-87-9** *diphenylmethanediisocyanate, isomeres and homologues*

Dermal, DNEL: 0,05 mg/kg (Workers)
long-therm

- PNECs
- 9016-87-9** *diphenylmethanediisocyanate, isomeres and homologues*

PNEC: 1 mg/l (freshwater)
PNEC: 0,1 mg/l (marinewater)
PNEC: 1 mg/l
PNEC: 1 mg/kg (soil)

- **Additional information:**
The lists that were valid during the creation were used as basis.
- **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, using skin care products.
Keep away from foodstuffs, beverages and feed.
Avoid contact with the eyes, skin and clothes.
- **Breathing equipment: Not necessary if room is well-ventilated.**
- **Protection of hands: After use of gloves apply skin-cleaning agents and skin cosmetics.**
- Material of gloves
Butyl rubber, BR
Nitrile rubber, NBR

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- Natural rubber, NR
- 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: Safety glasses**
- **Body protection: Protective work clothing**

09 Physical and chemical properties**General Information****Appearance:**

Form:	Fluid
Color:	Brown
Odor:	Recognizable
Odor threshold:	Characteristic
pH-value:	Not determined.

Change in condition

Melting point/Melting range:	< 0 °C
Boiling point/Boiling range:	> 300 °C

Flash point:	> 200 °C
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Flammability (solid, gaseous):	Not applicable.
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Ignition temperature:	400 °C
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Decomposition temperature:	Not determined.
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Auto igniting:	Not determined.
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Danger of explosion:	Not determined.
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Explosion limits:

Lower:	0,40 Vol %
Upper:	Not determined.

Vapor pressure:	Not determined.
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Density:	1,2000 - 1,2500 g/cm ³
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Solubility in / Miscibility with

Water:	reacts s. point 10
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Viscosity:

Dynamic:	at 20 °C 150 - 250 mPa.s
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9.2 Other information	No further relevant information available.
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10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions**
Exothermic reaction with amines and alcohols; reacts with water forming CO₂; in closed containers, risk of bursting owing to increase of pressure.
- **10.4 Conditions to avoid**
No further relevant information available.
- **10.5 Incompatible materials:**
No further relevant information available.
- **Dangerous reactions**
No dangerous reactions known.
- **10.6 Hazardous decomposition products:**
Does not decompose when used like intended.

PRODUCT : STAUF R 701 Hardener

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11 Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity:**
- **LD/LC50 values that are relevant for classification:**
9016-87-9 *diphenylmethanediisocyanate, isomeres and homologues*
 Oral, LD50: >2000 mg/kg (rat)
 Dermal, LD50: >9400 mg/kg (rat)
- **Primary irritant effect:**
- on the skin:
Irritant to skin and mucous membranes.
- on the eye:
Strong irritant with the danger of severe eye injury.
- **Sensitization:**
Sensitization possible through inhalation.
Sensitization possible through skin contact.
- OSHA-Ca (Occupational Safety & Health Administration)
None of the ingredients is listed.

12 Ecological information

- **Aquatic toxicity:**
9016-87-9 *diphenylmethanediisocyanate, isomeres and homologues*
 EC50 48h: >1000 mg/l (daphnie)
 LC50/ 96h: > 1000 mg/l (Brachydanio rerio)
 LC0: >1000 mg/l (fish)
- **12.2 Persistence and degradability**
No further relevant information available.
- **Behavior in environmental systems:**
- **12.3 Bioaccumulative potential**
No further relevant information available.
- **12.4 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.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:**
Not applicable.
- **vPvB:**
Not applicable.
- **12.6 Other adverse effects**
No further relevant information available.

13 Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation:**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
- **Recommendation:**
Disposal must be made according to official regulations.

PRODUCT : STAUF R 701 Hardener

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14 Transport information

- **14.1 UN-Number**

DOT Void

ADR Void

IMDG Void

IATA Void

- **14.2 UN proper shipping name**

DOT Void

ADR Void

IMDG Void

IATA Void

- **14.3 Transport hazard class(es)**

DOT

Class Void

ADR

Class Void

IMDG

Class Void

IATA

Class Void

- **14.4 Packing group**

DOT Void

ADR Void

IMDG Void

IATA Void

- **14.5 Environmental hazards:**

Not applicable.

- **14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable.

15 Regulatory information

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

- **Sara**

- **Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

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

All ingredients are listed.

- **TSCA (Toxic Substances Control Act):**

9016-87-9 diphenylmethanediisocyanate, isomeres and homologues

- **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.

- **Carcinogenic categories**

- **EPA (Environmental Protection Agency)**

9016-87-9 diphenylmethanediisocyanate, isomeres and homologues : CBD

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

None of the ingredients is listed.

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

None of the ingredients is listed.

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- **National regulations:**
- **Water hazard class:**
Water hazard class 1 (Self-assessment): slightly hazardous for water.
- **New Jersey Right-to-Know List:**
None of the ingredients is listed.
- **New Jersey Special Hazardous Substance List:**
None of the ingredients is listed.
- **Pennsylvania Right-to-Know List:**
None of the ingredients is listed.
- **Pennsylvania Special Hazardous Substance List:**
None of the ingredients is listed.
- **Hazardous Air Pollutants**
None of the ingredients is listed.
- **15.2 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 MSDS:**
Technical Department
- **Date of preparation / last revision**
17.02.2022
- **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
 DOT: US Department of Transportation
 IATA: International Air Transport Association
 ICAO: International Civil Aviation Organisation
 GHS: Globally Harmonised System of Classification and Labelling of Chemicals
 ACGIH: American Conference of Governmental Industrial Hygienists
 CAS: Chemical Abstracts Service (division of the American Chemical Society)
 NFPA: National Fire Protection Association (USA)
 HMIS: Hazardous Materials Identification System (USA)
 DNEL: Derived No-Effect Level (REACH)
 PNEC: Predicted No-Effect Concentration (REACH)
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent
 PBT: Persistent, Bioaccumulative and Toxic
 vPvB: very Persistent and very Bioaccumulative
- *** Data compared to the previous version altered.**