

1 Identification

- **Product identifier**
- **Trade name:** STAUF CCF-40-A
- **CAS Number:**
1344-09-8
- **EC number:**
215-687-4
- **Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the mixture** Reaction resin
- **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**



GHS07

Skin Irrit. 2 H315 Causes skin irritation.
Eye Irrit. 2A H319 Causes serious eye irritation.

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



Irritant

Irritating to eyes and skin.

- *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

- *Signal word* Warning
- *Hazard statements*
H315 Causes skin irritation.
H319 Causes serious eye irritation.
- *Precautionary statements*
P101 If medical advice is needed, have product container or label at hand.

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Trade name: STAUF CCF-40-A

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- P102 Keep out of reach of children.
 P103 Read label before use.
 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.
 P337+P313 If eye irritation persists: Get medical advice/attention.
 P302+P352 IF ON SKIN: Wash with plenty of soap and water.
 P321 Specific treatment (see on this label).
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

• **Classification system:**

- *NFPA ratings (scale 0 - 4)*



Health = 1
 Fire = 0
 Reactivity = 0

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



Health = 1
 Fire = 0
 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**
1344-09-8 Silicic acid, sodium salt
- **Identification number(s)** not available
- *EC number:* 215-687-4
- *Description:* Lösung von organischen Additiven in Natronwasserglas.
- *Dangerous components:* Void

4 First-aid measures

- **Description of first aid measures**
- **General information:** Immediately remove any clothing soiled by the product.
- **After inhalation:** 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. If symptoms persist, consult a doctor.
- **After swallowing:** Do not induce vomiting; immediately call for medical help.
- **Most important symptoms and effects, both acute and delayed**
No further relevant information available.

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· 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.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Particular danger of slipping on leaked/spilled product.
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**
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

- **Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
Avoid contact with the eyes.
- **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:* Store only in the original receptacle.
· *Information about storage in one common storage facility:* Not required.
· *Further information about storage conditions:* 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:** Not required.

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

· **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:*



Protective gloves

· *Material of gloves*

Butyl rubber, BR

Nitrile rubber, NBR

Natural rubber, NR

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.

· *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: Colorless

· *Odor:* Weak, characteristic

· *Odour threshold:* Not determined.

· **pH-value at 20 °C (68 °F):** 11.4

· **Change in condition**

Boiling point/Boiling range: Undetermined.

· **Flash point:** Not applicable.

· **Flammability (solid, gaseous):** Not applicable.

· **Ignition temperature:**

Decomposition temperature: Not determined.

· **Auto igniting:** Not determined.

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

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- **Explosion limits:**
 - Lower: Not determined.
 - Upper: Not determined.
- **Vapor pressure:** Not determined.
- **Density at 20 °C (68 °F):** 1.48 g/cm³ (12.351 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): 270 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 light alloys to form hydrogen.
Strong exothermic reaction with acids.
- **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:**
 - *Primary irritant effect:*
 - *on the skin:* Irritant to skin and mucous membranes.
 - *on the eye:* Irritating effect.
 - *Sensitization:* No sensitizing effects known.
- **Additional toxicological information:**
 - *Carcinogenic categories*

· <i>IARC (International Agency for Research on Cancer)</i>
Substance is not listed.

· <i>NTP (National Toxicology Program)</i>
Substance is not listed.

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Trade name: STAUF CCF-40-A

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

Substance is not listed.

12 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 (Assessment by list): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
Rinse off of bigger amounts into drains or the aquatic environment may lead to increased pH-values. A high pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably reduced, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.
- **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:**
Liquid product must not be disposed of together with household garbage. Do not allow product to reach sewage system. If product has aged or solidified conventional means of disposal are acceptable.
- **Uncleaned packagings:**
- *Recommendation:*
Packagings that cannot be cleansed are to be disposed of in the same manner as the product.

14 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.

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UN "Model Regulation":

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15 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):

107-21-1 ethanediol

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.

Carcinogeny categories
EPA (Environmental Protection Agency)

Substance is not listed.

TLV (Threshold Limit Value established by ACGIH)

107-21-1 ethanediol

A4

MAK (German Maximum Workplace Concentration)

Substance is not listed.

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

Substance is not listed.

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:

Dr. Frank Gahlmann +49-(0)2739-301165 gahlmann@stauf.de

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

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USA

Safety Data Sheet
acc. to OSHA HCS

Printing date 10/27/2014

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Trade name: STAUF CCF-40-A*(Contd. of page 7)*

- *Date of preparation / last revision* 10/27/2014 / 30

- *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 Organization

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

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

USA

1 Identification

- **Product identifier**
- **Trade name:** STAUF CCF-40-B
- **CAS Number:**
9016-87-9
- **Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the mixture** Reaction resin
- **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

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-H336	May cause respiratory irritation. May cause drowsiness or dizziness.

- **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.

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Trade name: STAUF CCF-40-B

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- **Label elements**

- **GHS label elements**

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

- **Hazard pictograms**



GHS07 GHS08

- **Signal word** Danger

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

diphenylmethanediisocyanate, isomers 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.

H317 May cause an allergic skin reaction.

H351 Suspected of causing cancer.

H335-H336 May cause respiratory irritation. May cause drowsiness or dizziness.

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

- **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/vapours/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.

P332+P313 If skin irritation occurs: Get medical advice/attention.

P337+P313 If eye irritation persists: Get medical advice/attention.

P405 Store locked up.

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

- **Classification system:**

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

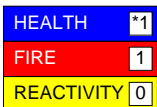


Health = 1

Fire = 1

Reactivity = 0

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



Health = *1

Fire = 1

Reactivity = 0

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

Trade name: STAUF CCF-40-B

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3 Composition/information on ingredients

- **Chemical characterization: Substances**
- **CAS No. Description**
9016-87-9 diphenylmethanediisocyanate, isomeres and homologues
- **Identification number(s)** not available
- *Dangerous components:* Void

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.
- **Most important symptoms and effects, both acute and delayed**
No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
In cases of irritation to the lungs, initial treatment with Dexamethason metered aerosol.

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.
- **Special hazards arising from the substance or mixture**
In case of fire, the following can be released:
Carbon monoxide (CO)
Nitrogen oxides (NO_x)
Hydrogen cyanide (HCN)
Bei einem Brand kann freigesetzt werden: Kohlenmonoxid, Kohlendioxid, Stickoxide, Cyanwasserstoff, Diphenylmethan-4,4'-diisocyanat.
- **Advice for firefighters**
- **Protective equipment:**
Wear fully protective suit.
Do not inhale explosion gases or combustion gases.
Mount respiratory protective device.
Wear self-contained respiratory protective device.
- **Additional information**
Gefährdete Behälter mit Wasser kühlen. Bei starker Materialüberhitzung können gasförmige Zersetzungsprodukte freiwerden: Zersetzung, Berstgefahr.
Brandrückstände und kontaminiertes Löschwasser entsprechend örtlichen behördlichen Vorschriften entsorgen. Kontaminiertes Löschwasser getrennt sammeln, darf nicht in Kanalisation

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Trade name: STAUF CCF-40-B

oder Grundwasser gelangen.

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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 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

- **Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
Avoid contact with the eyes.
- **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:*
Nicht zusammen aufbewahren mit: Säuren, Aminen oder aminhaltigen Produkten.
Getrennt von Nahrungs-, Futter- und Genußmitteln lagern.
 - *Further information about storage conditions:*
Protect from frost.
Keep receptacle tightly sealed.
Beim Eindringen von Feuchtigkeit CO₂-Entwicklung, Druckaufbau und Berstgefahr.
Nicht unter + 10 °C aufbewahren.
- **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:** Not required.
- *Additional information:* The lists that were valid during the creation were used as basis.
- **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.

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Trade name: STAUF CCF-40-B

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- 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
PVC 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.
- **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:

- | | |
|---------------------------|----------------------|
| <i>Form:</i> | Fluid |
| <i>Color:</i> | Brown |
| • <i>Odor:</i> | Weak, characteristic |
| • <i>Odour threshold:</i> | Not determined. |

• pH-value:

Not determined.

• Change in condition

- | | |
|-------------------------------------|---------------------|
| <i>Boiling point/Boiling range:</i> | > 200 °C (> 392 °F) |
| <i>Setting temperature / range:</i> | 5-10 °C (41-50 °F) |

• Flash point:

> 100 °C (> 212 °F)

• Flammability (solid, gaseous):

Not applicable.

• Ignition temperature:

400 °C (752 °F)

• Decomposition temperature:

Not determined.

• Auto igniting:

Not determined.

• Danger of explosion:

Product does not present an explosion hazard.

• Explosion limits:

- | | |
|---------------|-----------------|
| <i>Lower:</i> | Not determined. |
| <i>Upper:</i> | Not determined. |

• Vapor pressure at 20 °C (68 °F):

11 hPa (8 mm Hg)

• Density at 20 °C (68 °F):

1.12 g/cm³ (9.346 lbs/gal)

- *Relative density* Not determined.
- *Vapour density* Not determined.
- *Evaporation rate* Not determined.

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USA

Trade name: STAUF CCF-40-B

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- **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): 160 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	> 15000 mg/kg (Ratte)
Dermal	LD50	> 5000 mg/kg (rab)
Inhalative	LC50	490 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.
- **Other information (about experimental toxicology):**
 Erfahrungen am Menschen: Kann je nach Konzentration zu starken Reizungen der Augen und der Atemwege führen. Bei längere Einwirkung des Produktes sind Haut- und Schleimhautentzündungen möglich. Symptome können verzögert auftreten, z. B. Husten, Atemnot, Engegefühl in der Brust.

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Trade name: STAUF CCF-40-B

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• **Subacute to chronic toxicity:**

Versuchsdauer: 2 Jahre

Applikation: inhalativ (Ratte).0,2-1mg/m³ Aerosol (PMDI)

Befund: Bei inhalativer Aufnahme verursacht die Substanz bei Ratten deutliche lokale Reizungen mit Epithelschädigung.

Applikation: inhalativ (Ratte): 6mg/m³ (PMDI)

Befund: Bei inhalativer Aufnahme verursacht die Substanz bei Ratten deutliche Reizwirkung mit Epithelschädigung. Bei einem Teil der Tiere traten nach dieser Schädigung zusätzliche lokale Tumore auf.

• **Additional toxicological information:**

• *Carcinogenic categories*

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

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• *NTP (National Toxicology Program)*

Substance is not listed.

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

Substance is not listed.

12 Ecological information

• **Toxicity**

• **Aquatic toxicity:**

9016-87-9 diphenylmethanediisocyanate,isomeres and homologues

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

• **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.

13 Disposal considerations

• **Waste treatment methods**

• **Recommendation:**

Liquid product must not be disposed of together with household garbage. Do not allow product to reach sewage system. If product has aged or solidified conventional means of disposal are acceptable.

• **Uncleaned packagings:**

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

USA

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Printing date 10/27/2014

Reviewed on 10/24/2014

Trade name: STAUF CCF-40-B

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

Substance is not listed.

- *MAK (German Maximum Workplace Concentration)*

9016-87-9 | diphenylmethanediisocyanate, isomeres and homologues

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- *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.

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:**

Dr. Frank Gahlmann +49-(0)2739-301165 gahlmann@stauf.de

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

- *Date of preparation / last revision* 10/27/2014 / 33

- **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 Organization

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

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

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