

# Safety data sheet

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BASF Safety data sheet according to the United Nations' Globally Harmonized System (UN GHS)

Date / Revised: 07.08.2023

Version: 4.0

Product: **C9-Cut**

(ID no. 30042234/SDS\_GEN\_00/EN)

Date of print 13.10.2025

## 1. Identification

### Product identifier

### C9-Cut

Chemical name: Distillates (petroleum), cracked, ethylene manuf. by-product, C9-10 fraction

CAS Number: 94733-07-0

### Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses: Chemical, Intermediate, additive for the petroleum industry

Recommended use: Chemical

### Details of the supplier of the safety data sheet

#### Company:

BASF SE

67056 Ludwigshafen

GERMANY

Operating Division Petrochemicals

Telephone: +49 621 60-42151

E-mail address: sds-petrochemicals@basf.com

### Emergency telephone number

International emergency number:

Telephone: +49 180 2273-112

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## 2. Hazards Identification

### Classification of the substance or mixture

According to UN GHS criteria

Asp. Tox. 1  
Flam. Liq. 3  
Skin Corr./Irrit. 2  
Eye Dam./Irrit. 2B  
Muta. 1B  
Carc. 1A  
Repr. 2 (unborn child)  
STOT RE 2  
Aquatic Acute 2  
Aquatic Chronic 2

For the classifications not written out in full in this section the full text can be found in section 16.

## Label elements

### Globally Harmonized System (GHS)

Pictogram:



Signal Word:

Danger

Hazard Statement:

H226	Flammable liquid and vapour.
H320	Causes eye irritation.
H315	Causes skin irritation.
H304	May be fatal if swallowed and enters airways.
H373	May cause damage to organs through prolonged or repeated exposure.
H361	Suspected of damaging the unborn child.
H350	May cause cancer.
H340	May cause genetic defects.
H401	Toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.

Precautionary Statements (Prevention):

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P280	Wear protective gloves, protective clothing and eye protection or face protection.
P201	Obtain special instructions before use.
P273	Avoid release to the environment.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P202	Do not handle until all safety precautions have been read and understood.
P260	Do not breathe mist or vapour.
P243	Take action to prevent static discharges.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P264	Wash contaminated body parts thoroughly after handling.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P242	Use non-sparking tools.

**Precautionary Statements (Response):**

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308 + P313	IF exposed or concerned: Get medical attention.
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER or physician.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P332 + P313	If skin irritation occurs: Get medical attention.
P391	Collect spillage.
P331	Do NOT induce vomiting.
P337 + P313	If eye irritation persists: Get medical attention.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P370 + P378	In case of fire: Use water spray, dry powder, foam or carbon dioxide for extinction.

**Precautionary Statements (Storage):**

P405	Store locked up.
P403 + P235	Store in a well-ventilated place. Keep cool.

**Precautionary Statements (Disposal):**

P501	Dispose of contents and container to hazardous or special waste collection point.
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**Other hazards**According to UN GHS criteria

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

See section 12 - Results of PBT and vPvB assessment.

**3. Composition/Information on Ingredients****Substances**

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Chemical nature

Distillates (petroleum), cracked, ethylene manuf. by-product, C9-10 fraction (Content (W/W): 100 %)

CAS Number: 94733-07-0

EC-Number: 305-586-4

Hazardous ingredients (GHS)

According to UN GHS criteria

## Naphthalene

Content (W/W): &gt; 5 % - &lt; 20 %

CAS Number: 91-20-3

EC-Number: 202-049-5

INDEX-Number: 601-052-00-2

Flam. Sol. 2

Acute Tox. 4 (oral)

Carc. 2

Aquatic Acute 1

Aquatic Chronic 1

M-factor acute: 1

M-factor chronic: 1

H228, H302, H351, H400, H410

## Ethylbenzene

Content (W/W): &gt; 1 % - &lt; 10 %

CAS Number: 100-41-4

EC-Number: 202-849-4

INDEX-Number: 601-023-00-4

Asp. Tox. 1

Flam. Liq. 2

Acute Tox. 4 (Inhalation - vapour)

Acute Tox. 5 (oral)

STOT RE (Auditory organ) 2

Aquatic Acute 2

Aquatic Chronic 3

H225, H332, H303, H304, H373, H412, H401

## Xylene

Content (W/W): &gt; 1 % - &lt; 10 %

CAS Number: 1330-20-7

EC-Number: 215-535-7

INDEX-Number: 601-022-00-9

Asp. Tox. 1

Flam. Liq. 3

Acute Tox. 5 (Inhalation - vapour)

Acute Tox. 5 (oral)

Skin Corr./Irrit. 2

Eye Dam./Irrit. 2B

STOT SE 3 (irr. to respiratory syst.)

STOT RE (Central nervous system, Liver, Kidney) 2

Aquatic Acute 2

Aquatic Chronic 3

H226, H320, H315, H333, H303, H304, H335, H373, H412, H401

## Ethyltoluene

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Content (W/W): &gt; 1 % - &lt; 10 %

CAS Number: 25550-14-5

EC-Number: 247-093-6

Flam. Liq. 3

Acute Tox. 5 (oral)

Skin Corr./Irrit. 3

Eye Dam./Irrit. 2A

Repr. 2 (fertility)

Aquatic Acute 2

Aquatic Chronic 2

H226, H319, H315, H303, H361, H401, H411

**Trimethylbenzene**

Content (W/W): &gt; 1 % - &lt; 10 %

CAS Number: 25551-13-7

EC-Number: 247-099-9

Asp. Tox. 1

Flam. Liq. 3

Acute Tox. 4 (Inhalation - vapour)

Skin Corr./Irrit. 2

Eye Dam./Irrit. 2B

STOT SE 3 (irr. to respiratory syst.)

Aquatic Acute 2

Aquatic Chronic 2

H226, H320, H315, H332, H304, H335, H401, H411

**Styrene**

Content (W/W): &gt; 0,01 % - &lt; 5 %

CAS Number: 100-42-5

EC-Number: 202-851-5

Asp. Tox. 1

Flam. Liq. 3

Acute Tox. 4 (Inhalation - vapour)

Skin Corr./Irrit. 2

Eye Dam./Irrit. 2A

Repr. 2 (unborn child)

STOT SE 3 (irr. to respiratory syst.)

STOT RE (Auditory organ) 1

Aquatic Acute 2

Aquatic Chronic 3

H226, H319, H315, H332, H304, H335, H361, H372, H412, H401

**Propylbenzene**

Content (W/W): &gt; 0,1 % - &lt; 5 %

CAS Number: 103-65-1

EC-Number: 203-132-9

INDEX-Number: 601-024-00-X

Asp. Tox. 1

Flam. Liq. 3

Skin Corr./Irrit. 2

Eye Dam./Irrit. 2A

STOT SE 3 (irr. to respiratory syst.)

Aquatic Acute 2

Aquatic Chronic 2

H226, H319, H315, H304, H335, H401, H411

**Indene**

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Content (W/W): &gt; 0,1 % - &lt; 4 %

CAS Number: 95-13-6

EC-Number: 202-393-6

Flam. Liq. 3

Acute Tox. 5 (oral)

Skin Corr./Irrit. 2

Eye Dam./Irrit. 2A

Aquatic Acute 2

Aquatic Chronic 2

H226, H319, H315, H303, H401, H411

**Toluene**

Content (W/W): &gt; 0,05 % - &lt; 3 %

CAS Number: 108-88-3

EC-Number: 203-625-9

INDEX-Number: 601-021-00-3

Asp. Tox. 1

Flam. Liq. 2

Skin Corr./Irrit. 2

Repr. 2 (unborn child)

STOT SE 3 (drowsiness and dizziness)

STOT RE (Central nervous system) 2

Aquatic Acute 2

Aquatic Chronic 3

H225, H315, H304, H336, H361, H373, H412,

H401

**Diethylbenzene**

Content (W/W): &gt; 0,1 % - &lt; 3 %

CAS Number: 25340-17-4

EC-Number: 246-874-9

Flam. Liq. 3

Acute Tox. 5 (oral)

Skin Corr./Irrit. 2

Eye Dam./Irrit. 2A

STOT SE 3 (irr. to respiratory syst.)

Aquatic Acute 1

Aquatic Chronic 1

H226, H319, H315, H303, H335, H400, H410

**Vinyltoluene**

Content (W/W): &gt; 0,01 % - &lt; 2 %

CAS Number: 25013-15-4

EC-Number: 246-562-2

Flam. Liq. 3

Acute Tox. 4 (Inhalation - vapour)

Acute Tox. 5 (oral)

Skin Corr./Irrit. 2

Eye Dam./Irrit. 2B

Aquatic Acute 1

Aquatic Chronic 1

Asp. Tox. 1

M-factor acute: 1

M-factor chronic: 1

H226, H320, H315, H332, H303, H304, H400, H410

**Benzene**

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Content (W/W): > 0,01 % - < 1 %	Asp. Tox. 1
CAS Number: 71-43-2	Flam. Liq. 2
EC-Number: 200-753-7	Skin Corr./Irrit. 2
INDEX-Number: 601-020-00-8	Eye Dam./Irrit. 2A
	Muta. 1B
	Carc. 1A
	STOT RE (Blood) 1
	Aquatic Acute 2
	Aquatic Chronic 3
	H225, H319, H315, H304, H350, H340, H372, H412, H401

**2-Phenylpropene**

Content (W/W): > 0,01 % - < 0,5 %	Flam. Liq. 3
CAS Number: 98-83-9	Acute Tox. 5 (oral)
EC-Number: 202-705-0	Eye Dam./Irrit. 2A
INDEX-Number: 601-027-00-6	STOT SE 3 (irr. to respiratory syst.)
	Aquatic Acute 2
	Aquatic Chronic 3
	Asp. Tox. 1
	Skin Sens. 1B
	Repr. 2 (unborn child)
	H226, H319, H303, H317, H304, H335, H361, H412, H401

Specific concentration limit:

STOT SE 3, irr. to respiratory syst.: &gt;= 25 %

**3a,4,7,7a-Tetrahydro-4,7-methanoindene**

Content (W/W): > 0,01 % - < 0,2 %	Asp. Tox. 1
CAS Number: 77-73-6	Flam. Liq. 2
EC-Number: 201-052-9	Acute Tox. 2 (Inhalation - vapour)
INDEX-Number: 601-044-00-9	Acute Tox. 4 (oral)
	Skin Corr./Irrit. 2
	Eye Dam./Irrit. 2A
	Repr. 2 (unborn child)
	STOT SE 3 (irr. to respiratory syst.)
	STOT RE (Central nervous system) 2
	Aquatic Acute 1
	Aquatic Chronic 2
	M-factor acute: 1
	H225, H319, H315, H330, H302, H304, H335, H361, H373, H411, H400

For the classifications not written out in full in this section the full text can be found in section 16.

**Mixtures**

Not applicable

## 4. First-Aid Measures

### Description of first aid measures

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Immediately remove contaminated clothing.

If inhaled:

Keep patient calm, remove to fresh air, seek medical attention.

On skin contact:

Immediately wash thoroughly with soap and water, seek medical attention.

On contact with eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

On ingestion:

Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention.

### Most important symptoms and effects, both acute and delayed

Symptoms: Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Hazards: When inhaled (e.g. during vomiting) risk of pulmonary oedema and/or pneumonia.

### Indication of any immediate medical attention and special treatment needed

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote. The presence of benzene in the body can be detected by determining the amount of this substance in the blood and/or urine.

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## 5. Fire-Fighting Measures

### Extinguishing media

Suitable extinguishing media:

dry powder, water spray, carbon dioxide, foam

Unsuitable extinguishing media for safety reasons:

water jet

Additional information:

Use extinguishing measures to suit surroundings.

### Special hazards arising from the substance or mixture

Flammable liquid Cool endangered containers with water-spray. See SDS section 7 - Handling and storage.

### Advice for fire-fighters

Special protective equipment:

Wear a self-contained breathing apparatus. Special protective equipment for firefighters



Further information:

Evacuate area of all unnecessary personnel. Fight fire from maximum distance.

Extend fire extinguishing measures to the surroundings. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

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## 6. Accidental Release Measures

High risk of slipping due to leakage/spillage of product.

Release of substance/product can cause fire or explosion. Shut off or stop source of leak. Shut off or stop released substance/product under safe conditions.

Pack in tightly closed containers for disposal.

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

Handle in accordance with good industrial hygiene and safety practice.

Avoid all sources of ignition: heat, sparks, open flame. Use antistatic tools. Avoid contact with the skin, eyes and clothing.

Take off immediately all contaminated clothing.

### **Environmental precautions**

Due to the pH-value of the product, neutralization is generally required before discharging sewage into treatment plants.

Discharge into the environment must be avoided.

### **Methods and material for containment and cleaning up**

Pick up with suitable appliance and dispose of. Spills should be contained, solidified, and placed in suitable containers for disposal. Dispose of absorbed material in accordance with regulations.

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## 7. Handling and Storage

### **Precautions for safe handling**

Handle in accordance with good industrial hygiene and safety practice. Avoid all direct contact with the substance/product. Ensure thorough ventilation of stores and work areas. Change clothes immediately after contamination. Refill and handle product only in closed system.

Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Ground all transfer equipment properly to prevent electrostatic discharge.

### **Conditions for safe storage, including any incompatibilities**

No applicable information available.

Further information on storage conditions: Keep container tightly closed in a cool, well-ventilated place.

### **Specific end use(s)**

For the relevant identified use(s) listed in Section 1 the advice mentioned in this section 7 is to be observed.

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## 8. Exposure Controls/Personal Protection

### Control parameters

#### Components with occupational exposure limits

71-43-2: Benzene  
77-73-6: 3a,4,7,7a-Tetrahydro-4,7-methanoindene  
91-20-3: Naphthalene  
95-13-6: Indene  
98-83-9: 2-Phenylpropene  
100-41-4: Ethylbenzene  
100-42-5: Styrene  
103-65-1: Propylbenzene  
108-88-3: Toluene  
1321-94-4: Methylnaphthalene  
1330-20-7: Xylene  
25013-15-4: Vinyltoluene  
25340-17-4: Diethylbenzene  
25550-14-5: Ethyltoluene  
25551-13-7: Trimethylbenzene

### Exposure controls

#### Personal protective equipment

Respiratory protection:

Wear respiratory protection if ventilation is inadequate.

Suitable respiratory protection for lower concentrations or short-term effect: Gas filter for gases/vapours of organic compounds (boiling point >65 °C, e. g. EN 14387 Type A)

Suitable respiratory protection for higher concentrations or long-term effect: Self-contained breathing apparatus.

Hand protection:

Chemical resistant protective gloves (EN ISO 374-1)

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1):  
fluoroelastomer (FKM) - 0.7 mm coating thickness

Manufacturer's directions for use should be observed because of great diversity of types.

Supplementary note: The specifications are based on tests, literature data and information of glove manufacturers or are derived from similar substances by analogy. Due to many conditions (e.g. temperature) it must be considered, that the practical usage of a chemical-protective glove in practice may be much shorter than the permeation time determined through testing.

Eye protection:

Safety glasses with side-shields (frame goggles) (e.g. EN 166)

Body protection:

Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).

#### General safety and hygiene measures

Ensure adequate ventilation. Avoid contact with the skin, eyes and clothing. Avoid inhalation of vapour. Wearing of closed work clothing is required additionally to the stated personal protection equipment.

## 9. Physical and Chemical Properties

### Information on basic physical and chemical properties

Form:	liquid	
Colour:	colourless	
Odour:	benzene-like	
Odour threshold:	not determined	
pH value:	The substance does not dissociate.	
Melting point:	4 °C	(OECD Guideline 102)
Boiling point:	170 °C (1.013,25 hPa)	(OECD Guideline 103)
Flash point:	44,5 °C	(ISO 13736, closed cup)
Evaporation rate:	Value can be approximated from Henry's Law Constant or vapor pressure.	
Flammability:	Flammable.	(derived from flash - and boiling point)
Lower explosion limit:	0,4 %(V) (33 °C)	(air)
Upper explosion limit:	For liquids not relevant for classification and labelling.	
Ignition temperature:	409 °C	(DIN EN 14522)
Vapour pressure:	9,1 hPa (20 °C)	(OECD Guideline 104)
	11,19 hPa (25 °C)	(OECD Guideline 104)
	29,48 hPa (50 °C)	(OECD Guideline 104)
Density:	0,94 g/cm <sup>3</sup> (20 °C)	(OECD Guideline 109)
Relative density:	0,94 (20 °C)	(OECD Guideline 109)
Relative vapour density (air):	> 1 (20 °C)	(estimated)
	Heavier than air.	
Solubility in water:		(OECD Guideline 105)
	5 - 24 mg/l (20 °C)	
Partitioning coefficient n-octanol/water (log Kow):	2,8 - 6,5 (23 °C)	(OECD Guideline 117)

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Self ignition:	Based on its structural properties the product is not classified as self-igniting.	Test type: Spontaneous self-ignition at room-temperature.
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Viscosity, dynamic:	1,71 mPa.s (20 °C) The value was determined by calculation from the detected kinematic viscosity.	(OECD 114)
	1,23 mPa.s (40 °C) The value was determined by calculation from the detected kinematic viscosity.	(OECD 114)
Viscosity, kinematic:	1,81 mm <sup>2</sup> /s (20 °C)	(OECD 114)
	1,33 mm <sup>2</sup> /s (40 °C)	(OECD 114)
Explosion hazard:	Based on the chemical structure there is no indication of explosive properties.	
Fire promoting properties:	Based on its structural properties the product is not classified as oxidizing.	

**Other information**

Self heating ability:	It is not a substance capable of spontaneous heating.	
Radioactivity:		not radioactive for transport purposes
pKA:	The substance does not dissociate.	
:	No data available.	
Surface tension:	Based on chemical structure, surface activity is not to be expected.	
Grain size distribution:	Test substance	The substance / product is marketed or used in a non solid or granular form.

**10. Stability and Reactivity****Reactivity**

No hazardous reactions if stored and handled as prescribed/indicated., When heated can give off ignitable vapours., Vapours may form explosive mixture with air.

Corrosion to metals:	No corrosive effect on metal.	
Formation of flammable gases:	Remarks:	Forms no flammable gases in the presence of water.

**Chemical stability**

The product is stable if stored and handled as prescribed/indicated.

| Peroxides: The product does not contain peroxides.

**Possibility of hazardous reactions**

No hazardous reactions if stored and handled as prescribed/indicated.

**Conditions to avoid**

No special precautions other than good housekeeping of chemicals.

**Incompatible materials**

Substances to avoid:  
strong oxidizing agents

**Hazardous decomposition products**

:  
No hazardous decomposition products if stored and handled as prescribed/indicated.

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**11. Toxicological Information****Information on toxicological effects**Acute toxicity

Assessment of acute toxicity:

Virtually nontoxic after a single ingestion. Virtually nontoxic by inhalation. Virtually nontoxic after a single skin contact. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Experimental/calculated data:

LD50 rat (oral): > 2.000 mg/kg (BASF-Test)

LC50 rat (by inhalation): > 4,74 mg/l 4 h (OECD Guideline 403)

Highest concentration capable of testing. The vapour was tested.

LD50 rat (dermal): > 2.000 mg/kg (other)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition. Analogous: Assessment derived from products with similar chemical character.

Irritation

Assessment of irritating effects:

May cause slight irritation to the eyes. The statements are based on the properties of the individual components. Skin contact causes irritation.

Experimental/calculated data:

Skin corrosion/irritation rabbit: Irritant. (OECD Guideline 404)

Serious eye damage/irritation rabbit: non-irritant (OECD Guideline 405)

#### Respiratory/Skin sensitization

Assessment of sensitization:

The chemical structure does not suggest a sensitizing effect. The product has not been tested. The statement has been derived from the properties of the individual components.

#### Germ cell mutagenicity

Assessment of mutagenicity:

Capable of causing genetic defects. The product has not been tested. The statement has been derived from the properties of the individual components.

*Information on: Benzene*

*Assessment of mutagenicity:*

*Capable of causing genetic defects.*

#### Carcinogenicity

Assessment of carcinogenicity:

The substance caused cancer in animal studies. The product has not been tested. The statement has been derived from the properties of the individual components.

*Information on: Benzene*

*Assessment of carcinogenicity:*

*The substance caused cancer in animal studies.*

#### Reproductive toxicity

Assessment of reproduction toxicity:

The chemical structure does not suggest a specific alert for such an effect. The product has not been tested. The statement has been derived from the properties of the individual components.

#### Developmental toxicity

Assessment of teratogenicity:

Indications of possible developmental toxicity/teratogenicity were seen in animal studies. The product has not been tested. The statement has been derived from the properties of the individual components.

*Information on: Toluene*

*Assessment of teratogenicity:*

*Indications of possible developmental toxicity/teratogenicity were seen in animal studies.*

#### Specific target organ toxicity (single exposure)

Assessment of STOT single:

Based on the available information there is no specific target organ toxicity to be expected after a single exposure.

Repeated dose toxicity and Specific target organ toxicity (repeated exposure)

Assessment of repeated dose toxicity:

Repeated exposure may affect certain organs. The product has not been tested. The statement has been derived from the properties of the individual components.

*Information on: Benzene*

*Assessment of repeated dose toxicity:*

*Repeated exposure to small quantities may affect certain organs. Damages blood cells.*

Aspiration hazard

Aspiration hazard

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## 12. Ecological Information

### Toxicity

Assessment of aquatic toxicity:

Acutely toxic for aquatic organisms. Depending on local conditions and existing concentrations, disturbances in the biodegradation process of activated sludge are possible.

Toxicity to fish:

LC50 (96 h) 6,1 mg/l, *Oncorhynchus mykiss* (OECD Guideline 203, static)

The statement of the toxic effect relates to the analytically determined concentration. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Aquatic invertebrates:

EC50 (48 h) 2,9 mg/l, *Daphnia magna* (OECD Guideline 202, part 1, static)

The statement of the toxic effect relates to the analytically determined concentration. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Aquatic plants:

EC50 (72 h) 1,4 mg/l (growth rate), *Pseudokirchneriella subcapitata* (OECD Guideline 201, static)

The statement of the toxic effect relates to the analytically determined concentration. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Microorganisms/Effect on activated sludge:

(72 h) 17,25 mg/l, *Tetrahymena pyriformis* (other)

The product has not been tested. The statement has been derived from the structure of the product.

Chronic toxicity to fish:

No data available.

Chronic toxicity to aquatic invertebrates:

No data available.

Assessment of terrestrial toxicity:

No data available.

## Persistence and degradability

Assessment biodegradation and elimination (H<sub>2</sub>O):

Not readily biodegradable (by OECD criteria).

Elimination information:

6,48 % BOD of the ThOD (41 d) (OECD 301F; ISO 9408; 92/69/EEC, C.4-D) (aerobic, activated sludge, domestic, adapted)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Assessment of stability in water:

According to structural properties, hydrolysis is not expected/probable.

Information on Stability in Water (Hydrolysis):

No data available.

## Bioaccumulative potential

Assessment bioaccumulation potential:

The product contains components with potential for bioaccumulation

Bioaccumulation potential:

Bioconcentration factor: 26 - 18.000, Fish (calculated)

## Mobility in soil

Assessment transport between environmental compartments:

Volatility: No data available.

Adsorption in soil: No data available.

## Results of PBT and vPvB assessment

According to Annex XIII of Regulation (EC) No.1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH): The product does not fulfill the criteria for PBT (Persistent/bioaccumulative/toxic) and vPvB (very persistent/very bioaccumulative).

## Other adverse effects

The substance is not listed in Regulation (EC) 1005/2009 on substances that deplete the ozone layer.

## Additional information

Other ecotoxicological advice:

Do not allow to enter soil, waterways or waste water channels. The product should not be allowed to reach either ground or open waters.

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## 13. Disposal Considerations

### Waste treatment methods

Dispose of in accordance with national, state and local regulations.



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Contaminated packaging:  
Disposal must be made according to official regulations.

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## 14. Transport Information

### Land transport

ADR

UN number or ID number: UN3295  
UN proper shipping name: HYDROCARBONS, LIQUID, N.O.S. (SOLVENT NAPHTHA,  
BENZENE, NAPHTHALENE)

Transport hazard class(es): 3, EHSM  
Packing group: III  
Environmental hazards: yes  
Special precautions for user: Tunnel code: D/E

RID

UN number or ID number: UN3295  
UN proper shipping name: HYDROCARBONS, LIQUID, N.O.S. (SOLVENT NAPHTHA,  
BENZENE, NAPHTHALENE)

Transport hazard class(es): 3, EHSM  
Packing group: III  
Environmental hazards: yes  
Special precautions for user: None known

### Inland waterway transport

ADN

UN number or ID number: UN3295  
UN proper shipping name: HYDROCARBONS, LIQUID, N.O.S. (SOLVENT NAPHTHA,  
BENZENE, NAPHTHALENE)

Transport hazard class(es): 3, EHSM  
Packing group: III  
Environmental hazards: yes  
Special precautions for user: None known

### Transport in inland waterway vessel

UN number or ID number: UN3295  
UN proper shipping name: HYDROCARBONS, LIQUID, N.O.S. (SOLVENT NAPHTHA,  
BENZENE, NAPHTHALENE)

Transport hazard class(es): 3, N2, CMR

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Packing group:	III
Environmental hazards:	yes
Type of inland waterway vessel:	N
Cargo tank design:	2
Cargo tank type:	3

### **Sea transport**

#### **IMDG**

UN number or ID number:	UN 3295
UN proper shipping name:	HYDROCARBONS, LIQUID, N.O.S. (SOLVENT NAPHTHA, BENZENE, NAPHTHALENE)

Transport hazard class(es):	3, EHSM
Packing group:	III
Environmental hazards:	yes
	Marine pollutant: YES
Special precautions for user:	EmS: F - E; S - D

### **Air transport**

#### **IATA/ICAO**

UN number or ID number:	UN 3295
UN proper shipping name:	HYDROCARBONS, LIQUID, N.O.S.

Transport hazard class(es):	3
Packing group:	III
Environmental hazards:	No Mark as dangerous for the environment is needed
Special precautions for user:	None known

### **Maritime transport in bulk according to IMO instruments**

Maritime transport in bulk is not intended.

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## **15. Regulatory Information**

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

Not applicable

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## **16. Other Information**

Full text of classifications, hazard symbols and hazard statements, if mentioned in section 2 or 3:  
Asp. Tox.                      Aspiration hazard

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Flam. Liq.	Flammable liquids
Skin Corr./Irrit.	Skin corrosion/irritation
Eye Dam./Irrit.	Serious eye damage/eye irritation
Muta.	Germ cell mutagenicity
Carc.	Carcinogenicity
Repr.	Reproductive toxicity
STOT RE	Specific target organ toxicity — repeated exposure
Aquatic Acute	Hazardous to the aquatic environment - acute
Aquatic Chronic	Hazardous to the aquatic environment - chronic
Flam. Sol.	Flammable solids
Acute Tox.	Acute toxicity
STOT SE	Specific target organ toxicity — single exposure
Skin Sens.	Skin sensitization
H228	Flammable solid.
H302	Harmful if swallowed.
H351	Suspected of causing cancer.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H225	Highly flammable liquid and vapour.
H332	Harmful if inhaled.
H303	May be harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H373	May cause damage to organs (Auditory organ) through prolonged or repeated exposure.
H412	Harmful to aquatic life with long lasting effects.
H401	Toxic to aquatic life.
H226	Flammable liquid and vapour.
H320	Causes eye irritation.
H315	Causes skin irritation.
H333	May be harmful if inhaled.
H335	May cause respiratory irritation.
H319	Causes serious eye irritation.
H361	Suspected of damaging fertility.
H411	Toxic to aquatic life with long lasting effects.
H361	Suspected of damaging the unborn child.
H372	Causes damage to organs (Auditory organ) through prolonged or repeated exposure.
H336	May cause drowsiness or dizziness.
H350	May cause cancer.
H340	May cause genetic defects.
H317	May cause an allergic skin reaction.
H330	Fatal if inhaled.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

Vertical lines in the left hand margin indicate an amendment from the previous version.