

## CERATIX 8566

Product code:

Version 1.1 SDB\_REG\_EU

Revision Date 06.12.2016

Print Date 07.12.2016

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Trade name : CERATIX 8566

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

Use of the : Wax Additive  
Substance/Mixture

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

Company : BYK-Cera bv  
Danzigweg 23  
7418 EN Deventer  
Telephone : +31 881 220 300  
Telefax : +31 881 220 600  
  
Information : Regulatory Affairs  
Telephone : +49 281 670-23532  
Telefax : +49 281 670-23533  
GHS.BYK@altana.com

#### 1.4 Emergency telephone number

GBK Gefahrgutbuero GmbH, Tel. +49 6132 84463

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification (REGULATION (EC) No 1272/2008)

Flammable liquids, Category 3	H226: Flammable liquid and vapour.
Skin irritation, Category 2	H315: Causes skin irritation.
Serious eye damage, Category 1	H318: Causes serious eye damage.
Specific target organ toxicity - single exposure, Category 3, Central nervous system	H336: May cause drowsiness or dizziness.

##### Classification (67/548/EEC, 1999/45/EC)

Flammable	R10: Flammable.
Irritant	R41: Risk of serious damage to eyes.
	R66: Repeated exposure may cause skin dryness or cracking.

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R67: Vapours may cause drowsiness and  
dizziness.

### 2.2 Label elements

#### Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms

:



Signal word

: Danger

Hazard statements

: H226 Flammable liquid and vapour.  
H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H336 May cause drowsiness or dizziness.

Precautionary statements

: **Prevention:**  
P210 Keep away from heat, hot surfaces, sparks,  
open flames and other ignition sources. No  
smoking.  
P261 Avoid breathing dust/ fume/ gas/ mist/  
vapours/ spray.  
P280 Wear protective gloves/ eye protection/ face  
protection.  
**Response:**  
P303 + P361 + P353 IF ON SKIN (or hair): Take off  
immediately all contaminated clothing.  
Rinse skin with water/shower.  
P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously  
with water for several minutes. Remove  
contact lenses, if present and easy to do.  
Continue rinsing. Immediately call a  
POISON CENTER/doctor.  
P370 + P378 In case of fire: Use dry sand, dry chemical  
or alcohol-resistant foam to extinguish.

Hazardous components which must be listed on the label:

- 123-86-4 n-butyl acetate
- 71-36-3 butan-1-ol

### 2.3 Other hazards

No information available.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

Chemical nature : Ethylene-Vinyl-Acetate (EVA) Copolymer wax dispersion

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### Hazardous components

Chemical name	CAS-No. EC-No. Registration number	Classification (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)	Concentration (%)
n-butyl acetate	123-86-4 204-658-1 01- 2119485493-29	R10 R66 R67	Flam. Liq. 3; H226 STOT SE 3; H336	>= 50 - < 100
butan-1-ol	71-36-3 200-751-6 01- 2119484630-38	R10 Xn; R22 Xi; R37/38-R41 R67	Flam. Liq. 3; H226 Acute Tox. 4; H302 Skin Irrit. 2; H315 Eye Dam. 1; H318 STOT SE 3; H336 STOT SE 3; H335	>= 10 - < 12,5

For explanation of abbreviations see section 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

- General advice : Move out of dangerous area.  
Consult a physician.  
Show this safety data sheet to the doctor in attendance.  
Do not leave the victim unattended.
- If inhaled : Consult a physician after significant exposure.  
If unconscious, place in recovery position and seek medical advice.
- In case of skin contact : If skin irritation persists, call a physician.  
If on skin, rinse well with water.  
If on clothes, remove clothes.
- In case of eye contact : Small amounts splashed into eyes can cause irreversible tissue damage and blindness.  
In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
Continue rinsing eyes during transport to hospital.  
Remove contact lenses.  
Protect unharmed eye.  
Keep eye wide open while rinsing.  
If eye irritation persists, consult a specialist.
- If swallowed : Keep respiratory tract clear.  
Do NOT induce vomiting.  
Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.  
If symptoms persist, call a physician.  
Take victim immediately to hospital.

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

Symptoms : No information available.

Risks : No information available.

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

Treatment : No information available.

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## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media : Alcohol-resistant foam  
Carbon dioxide (CO<sub>2</sub>)  
Dry chemical

Unsuitable extinguishing media : High volume water jet

### 5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting : Do not allow run-off from fire fighting to enter drains or water courses.

### 5.3 Advice for firefighters

Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.  
For safety reasons in case of fire, cans should be stored separately in closed containments.  
Use a water spray to cool fully closed containers.

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## SECTION 6: Accidental release measures

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

Personal precautions : Use personal protective equipment.  
Remove all sources of ignition.  
Evacuate personnel to safe areas.  
Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

### 6.2 Environmental precautions

Environmental precautions : Prevent product from entering drains.

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Prevent further leakage or spillage if safe to do so.  
If the product contaminates rivers and lakes or drains inform  
respective authorities.

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

Methods for cleaning up : Contain spillage, and then collect with non-combustible  
absorbent material, (e.g. sand, earth, diatomaceous earth,  
vermiculite) and place in container for disposal according to  
local / national regulations (see section 13).

### 6.4 Reference to other sections

For disposal considerations see section 13., For personal protection see section 8.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advice on safe handling : Avoid formation of aerosol.  
Do not breathe vapours/dust.  
Avoid exposure - obtain special instructions before use.  
Avoid contact with skin and eyes.  
For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the  
application area.  
Take precautionary measures against static discharges.  
Provide sufficient air exchange and/or exhaust in work rooms.  
Open drum carefully as content may be under pressure.  
To avoid spills during handling keep bottle on a metal tray.  
Dispose of rinse water in accordance with local and national  
regulations.

Advice on protection against : Do not spray on a naked flame or any incandescent material.  
fire and explosion Take necessary action to avoid static electricity discharge  
(which might cause ignition of organic vapours). Keep away  
from open flames, hot surfaces and sources of ignition.

Hygiene measures : When using do not eat or drink. When using do not smoke.  
Wash hands before breaks and at the end of workday.

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

Requirements for storage : No smoking. Keep container tightly closed in a dry and well-  
areas and containers ventilated place. Containers which are opened must be  
carefully resealed and kept upright to prevent leakage.  
Electrical installations / working materials must comply with  
the technological safety standards.

Other data : No decomposition if stored and applied as directed.

### 7.3 Specific end use(s)

Specific use(s) : No data available

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### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

Contains no substances with occupational exposure limit values.

##### Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

n-butyl acetate	: End Use: Workers Exposure routes: Inhalation Potential health effects: Acute systemic effects, Acute local effects Value: 960 mg/m3 End Use: Workers Exposure routes: Inhalation Potential health effects: Long-term systemic effects, Long-term local effects Value: 480 mg/m3 End Use: Consumers Exposure routes: Inhalation Potential health effects: Acute systemic effects, Acute local effects Value: 859,7 mg/m3 End Use: Consumers Exposure routes: Inhalation Potential health effects: Long-term systemic effects, Long-term local effects Value: 102,34 mg/m3
butan-1-ol	: End Use: Workers Exposure routes: Inhalation Potential health effects: Long-term exposure, Local effects Value: 310 mg/m3 End Use: Consumers Exposure routes: Inhalation Potential health effects: Long-term exposure, Local effects Value: 55 mg/m3 End Use: Consumers Exposure routes: Ingestion Potential health effects: Long-term exposure, Systemic effects Value: 3,125 mg/cm2

##### Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

n-butyl acetate	: Fresh water Value: 0,18 mg/l Marine water Value: 0,018 mg/l Intermittent releases Value: 0,36 mg/l Fresh water sediment Value: 0,981 mg/kg Marine sediment Value: 0,0981 mg/kg
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butan-1-ol : Soil  
Value: 0,0903 mg/kg  
Sewage treatment plant  
Value: 35,6 mg/l  
Fresh water  
Value: 0,082 mg/l  
Marine water  
Value: 0,0082 mg/l  
Fresh water sediment  
Value: 0,178 mg/kg  
Marine sediment  
Value: 0,0178 mg/kg  
Soil  
Value: 0,015 mg/kg  
Intermittent releases  
Value: 2,25 mg/l  
Sewage treatment plant  
Value: 2476 mg/l

### 8.2 Exposure controls

#### Personal protective equipment

Eye protection : Eye wash bottle with pure water  
Tightly fitting safety goggles  
Wear face-shield and protective suit for abnormal processing problems.

Hand protection  
Material

: Polyvinyl alcohol or nitrile- butyl-rubber gloves

Remarks

: The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Skin and body protection

: Impervious clothing  
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Respiratory protection

: In the case of vapour formation use a respirator with an approved filter.

#### Environmental exposure controls

General advice

: Prevent product from entering drains.  
Prevent further leakage or spillage if safe to do so.  
If the product contaminates rivers and lakes or drains inform respective authorities.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance : dispersion

Colour : white - off-white

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Odour	: solvent-like
Odour Threshold	: No data available
pH	: Not applicable
Melting point/range	: No data available
Initial boiling point and boiling range	: 118 °C
Flash point	: 27 °C
Evaporation rate	: No data available
Upper explosion limit	: 11,3 %(V)
Lower explosion limit	: 1,4 %(V)
Vapour pressure	: No data available
Relative vapour density	: No data available
Relative density	: No data available
Density	: 0,875 g/cm <sup>3</sup> (20 °C, 1.013 hPa)
Solubility(ies)	
Water solubility	: immiscible
Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity	
Viscosity, dynamic	: ca. 10 mPa.s (20 °C)
Viscosity, kinematic	: 36 mm <sup>2</sup> /s (40 °C) Method: No information available.

### 9.2 Other information

No data available



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### SECTION 10: Stability and reactivity

#### 10.1 Reactivity

No decomposition if stored and applied as directed.

#### 10.2 Chemical stability

No decomposition if stored and applied as directed.

#### 10.3 Possibility of hazardous reactions

Hazardous reactions : No decomposition if stored and applied as directed.

Vapours may form explosive mixture with air.

#### 10.4 Conditions to avoid

Conditions to avoid : Heat, flames and sparks.

#### 10.5 Incompatible materials

Materials to avoid : Strong oxidizing agents

#### 10.6 Hazardous decomposition products

No hazardous decomposition products are known.

### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

##### Acute toxicity

##### Product:

Acute oral toxicity : Acute toxicity estimate: > 2.000 mg/kg  
Method: Calculation method

##### Components:

##### **n-butyl acetate:**

Acute oral toxicity : LD50 (Rat, male): > 1.000 mg/kg  
Method: OECD Test Guideline 423

Acute inhalation toxicity : LC50 (Rat, male and female): > 21 mg/l  
Exposure time: 4 h  
Test atmosphere: vapour  
Method: OECD Test Guideline 403  
GLP: yes

Acute dermal toxicity : LD50 (Rabbit, male and female): > 14.000 mg/kg  
Method: OECD Test Guideline 402

##### **butan-1-ol:**

Acute oral toxicity : LD50 (Rat, female): 2.292 mg/kg

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Method: OECD Test Guideline 401

Acute dermal toxicity : LD50 (Rabbit, male): 3.430 mg/kg  
Method: OECD Test Guideline 402  
GLP: yes

### Skin corrosion/irritation

#### Product:

Remarks: May irritate skin.  
May cause skin irritation in susceptible persons.

#### Components:

##### **n-butyl acetate:**

Species: Rabbit  
Method: OECD Test Guideline 404  
Result: No skin irritation

##### **butan-1-ol:**

Species: Rabbit  
Method: Draize Test  
Result: Skin irritation

### Serious eye damage/eye irritation

#### Product:

Remarks: May cause irreversible eye damage.

#### Components:

##### **n-butyl acetate:**

Species: Rabbit  
Method: OECD Test Guideline 405  
Result: No eye irritation  
GLP: yes

##### **butan-1-ol:**

Species: Rabbit  
Method: OECD Test Guideline 405  
Result: Risk of serious damage to eyes.  
GLP: yes

### Respiratory or skin sensitisation

#### Product:

Remarks: No data available

#### Components:

##### **n-butyl acetate:**

Test Type: Buehler Test

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Species: Guinea pig  
Method: OECD Test Guideline 406  
Result: Does not cause skin sensitisation.

### **butan-1-ol:**

Test Type: Maximisation Test  
Species: Guinea pig  
Method: OECD Test Guideline 406  
Result: Does not cause skin sensitisation.  
GLP: yes

### **Repeated dose toxicity**

#### **Product:**

Remarks: No data available

### **Aspiration toxicity**

#### **Components:**

##### **butan-1-ol:**

No aspiration toxicity classification

### **Further information**

#### **Product:**

Remarks: Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.  
Concentrations substantially above the TLV value may cause narcotic effects.  
Solvents may degrease the skin.

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## SECTION 12: Ecological information

### 12.1 Toxicity

#### **Product:**

Toxicity to fish : Remarks: No data available

Toxicity to daphnia and other aquatic invertebrates : Remarks: No data available

#### **Components:**

##### **n-butyl acetate:**

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 18 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 44 mg/l  
Exposure time: 48 h

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- Toxicity to algae : ErC50 (Scenedesmus subspicatus): 675 mg/l  
Exposure time: 72 h
- Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 23 mg/l  
Exposure time: 21 d  
End point: Reproduction  
Species: Daphnia magna (Water flea)  
Method: OECD Test Guideline 211
- butan-1-ol:**
- Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 1.376 mg/l  
Exposure time: 96 h  
Test Type: static test  
Method: OECD Test Guideline 203  
GLP: yes
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 1.328 mg/l  
Exposure time: 48 h  
Test Type: static test  
Method: OECD Test Guideline 202  
GLP: yes
- Toxicity to algae : ErC50 (Selenastrum capricornutum (green algae)): 225 mg/l  
Exposure time: 96 h  
Test Type: static test  
Method: OECD Test Guideline 201  
GLP: yes
- Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 4,1 mg/l  
Exposure time: 21 d  
End point: Reproduction  
Species: Daphnia magna (Water flea)  
Test Type: semi-static test  
Method: OECD Test Guideline 211  
GLP: yes

### 12.2 Persistence and degradability

**Product:**

Biodegradability : Remarks: No data available

**Components:**

**n-butyl acetate:**

Biodegradability : Result: Readily biodegradable.  
Method: OECD Test Guideline 301D

**butan-1-ol:**

Biodegradability : Test Type: aerobic  
Result: Readily biodegradable.

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### 12.3 Bioaccumulative potential

**Product:**

Bioaccumulation : Remarks: No data available

**Components:**

**n-butyl acetate:**

Partition coefficient: n-octanol/water : log Pow: 2,3 (25 °C)  
pH: 7  
Method: OECD Test Guideline 117  
GLP: yes

**butan-1-ol:**

Partition coefficient: n-octanol/water : log Pow: 1 (25 °C)  
pH: 7  
Method: OECD Test Guideline 117  
GLP: yes

### 12.4 Mobility in soil

No data available

### 12.5 Results of PBT and vPvB assessment

**Product:**

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher..

### 12.6 Other adverse effects

**Product:**

Additional ecological information : Remarks: No data available

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## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product : Do not dispose of waste into sewer.  
Do not contaminate ponds, waterways or ditches with chemical or used container.  
Send to a licensed waste management company.

Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.  
Do not re-use empty containers.  
Do not burn, or use a cutting torch on, the empty drum.

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### SECTION 14: Transport information

#### 14.1 UN number

**ADR/RID** : UN 1993  
**IMDG** : UN 1993  
**IATA** : UN 1993

#### 14.2 UN proper shipping name

**ADR/RID** : FLAMMABLE LIQUID, N.O.S.  
(n-Butylacetate, n-Butanol)  
**IMDG** : FLAMMABLE LIQUID, N.O.S.  
(BUTYL ACETATES, N-BUTANOL)  
**IATA** : Flammable liquid, n.o.s.  
(Butyl acetates, n-Butanol)

#### 14.3 Transport hazard class(es)

**ADR/RID** : 3  
**IMDG** : 3  
**IATA** : 3

#### 14.4 Packing group

**ADR/RID**  
Packing group : III  
Classification Code : F1  
Hazard Identification Number : 30  
Labels : 3  
Tunnel restriction code : D/E  
**IMDG**  
Packing group : III  
Labels : 3  
EmS Code : F-E, S-E  
**IATA**  
Packing instruction (cargo aircraft) : 366  
Packing instruction (passenger aircraft) : 355  
Packing group : III  
Labels : Flammable liquid

#### 14.5 Environmental hazards

**ADR /RID**  
Environmentally hazardous : no  
**IMDG**  
Marine pollutant : no

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### 14.6 Special precautions for user

Not applicable

### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

## SECTION 15: Regulatory information

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

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). : This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57).

REACH - List of substances subject to authorisation (Annex XIV) : Not applicable

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

		Quantity 1	Quantity 2
P5c	FLAMMABLE LIQUIDS	5.000 t	50.000 t

### 15.2 Chemical safety assessment

Not applicable

## SECTION 16: Other information

### Full text of R-Phrases

R10 : Flammable.  
R22 : Harmful if swallowed.  
R37/38 : Irritating to respiratory system and skin.  
R41 : Risk of serious damage to eyes.  
R66 : Repeated exposure may cause skin dryness or cracking.  
R67 : Vapours may cause drowsiness and dizziness.

### Full text of H-Statements

H226 : Flammable liquid and vapour.  
H302 : Harmful if swallowed.  
H315 : Causes skin irritation.  
H318 : Causes serious eye damage.  
H335 : May cause respiratory irritation.  
H336 : May cause drowsiness or dizziness.

### Full text of other abbreviations

Acute Tox. : Acute toxicity  
Eye Dam. : Serious eye damage  
Flam. Liq. : Flammable liquids  
Skin Irrit. : Skin irritation  
STOT SE : Specific target organ toxicity - single exposure

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The information contained herein is based on the present state of our knowledge and does therefore not guarantee certain properties.