

Printing date 13.01.2025

Version no: 3

Revision 13.01.2025

Trade name: PYRO 48 B

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**Trade name: PYRO 48 part B  
UFI: TC00-60HM-T00K-G6YH**1.2 Application of the mixture:** Film developer**1.3 Details of the supplier of the safety data sheet**

Manufacturer/Supplier:

Moersch Photochemie  
Am Heideberg 48  
50354 Hürth  
Tel.: + 49(0)2233-943137  
Fax: + 49(0)2233-943138  
E-Mail: [wolfgang@moersch-photochemie.de](mailto:wolfgang@moersch-photochemie.de)  
[www.moersch-photochemie.de](http://www.moersch-photochemie.de)**1.4 Emergency telephone number:**

Poison Information Centre Berlin (Germany): +49 (0) 30 - 30686 790

**SECTION 2: Hazards identification****2.1 Classification of the mixture**

Classification according to Regulation (EC) No 1272/2008 (CLP)

Section	Hazard Class	Category	Hazard Class and category	Hazard statement
3.2	Skin corrosion/irritation	2	Skin Irrit. 2	H315
3.3	Serious eye damage/eye irritation	2	Eye Irrit. 2	H319
3.7	Reproductive toxicity	18	Rep. 1B	H360FD

For full text of abbreviations: see SECTION 16

**2.2 Label elements**

Labelling according to Regulation (EC) No 1272/2008 (CLP)

Signal word            Warning

Pictograms



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GHS07 GHS08

**Hazard statements**

H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H360FD May damage fertility. May damage the unborn child

**Precautionary statements – prevention**

P280 Wear protective gloves

**Precautionary statements – response**

P302+P352 IF ON SKIN: Wash with plenty of water  
P305+P351+P338 I IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

**Precautionary statements - storage**

P403+P233 Store in a well-ventilated place. Keep container tightly closed

**Precautionary statements - disposal**

P501 Dispose of contents/container to industrial combustion plant

**2.3 Other hazards**

Results of PBT and vPvB assessment

According to the results of its assessment, this substance is not a PBT or a vPvB.

Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) at a concentration of  $\geq 0,1\%$ .**SECTION 3: Composition/information on ingredients**

Chemical characterisation: Mixture

Contains:

Identifier	Substance	Classification	% w/w
CAS-Nr. 1303-96-4 EG-Nr. 215-540-4 Indexnr. 005-01111-00-4	di-Sodium tetraborat decahydrate	Eye Irrit. 2, H319 Rep. 1B, H360FD	20,00 %
CAS-Nr.1310-73-2 EG-Nr. 215-185-5 Indexnr. 011-002-000-6	Sodium hydroxide	Skin Irrit. 2, H315 Eye Irrit. 2, H319	<5%

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## SECTION 4: First aid measures

### 4.1 Description of first aid measures

General information: Take off contaminated clothing

After skin contact: Immediately rinse with water.

After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing: If symptoms persist consult doctor.

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

Irritation, Gastrointestinal complaints, Diarrhoea, Abdominal pain, Nausea, Vomiting

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

none

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing agents:

co-ordinate firefighting measures to the fire surroundings!

water, foam, alcohol resistant foam, dry extinguishing powder, ABC-powder

Unsuitable extinguishing media

water jet

### 5.2 In case of fire may be liberated:

Carbon monoxide (CO), Carbon dioxide (CO<sub>2</sub>)

### 5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Fight fire with normal precautions from a reasonable distance. Wear self-contained breathing apparatus.

## SECTION 6: Accidental release measures

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

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

### 6.2 Environmental precautions:

Dilute with plenty of water.

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). Ensure adequate ventilation.

### 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.

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

#### Provision of sufficient ventilation.

Measures to prevent fire as well as aerosol and dust generation

Advice on general occupational hygiene

Wash hands before breaks and after work. Keep away from food, drink and animal feedingstuffs.

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

Keep container tightly closed.

Incompatible substances or mixtures

Observe hints for combined storage. Incompatible materials: see section 10.

Consideration of other advice: Ventilation requirements

Use local and general ventilation.

Specific designs for storage rooms or vessels

Recommended storage temperature: 15 – 25 °C

### 7.3 Specific end use(s)

Avoid contact with skin

## SECTION 8: Exposure controls/personal protection

### . Additional information about design of technical facilities: No further data; see item 7.

- . 8.1 Control parameters -
- . Ingredients with limit values that require monitoring at the workplace: -

Additional information: The lists valid during the making were used as basis.

- . 8.2 Exposure controls
- . Personal protective equipment:
- . General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals. 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.

- . Respiratory protection: Ensure adequate ventilation
- . Protection of hands:

Protective gloves

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Impervious gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- . Material of 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. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Butyl rubber, BR

Nitrile rubber, NBR

Neoprene gloves

- . Penetration time of glove material

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

- . Eye protection:

Tightly sealed goggles

- . Body protection: Protective work clothing

## SECTION 9: Physical and chemical properties

-General information	
Form:	fluid
Colour:	colourless
Odour:	odourless
Change in condition	
Melting point:	undetermined
Melting range:	> 100° C
Flash point	Not applicable
Flammability	Not applicable
Danger of explosion	Not applicable
Vapour pressure at 20° C	Not determined
Density at 20° C	1.16 g/cm <sup>3</sup>
Solubility in/Miscibility with water	Fully miscible
pH-Value at 20° C	11,4
Solvent content	
Organic solvents:	0 %
Water:	>80 %
VOC (EU):	0 %

## SECTION 10: Stability and reactivity

Reactivity: No further relevant information available

Thermal decomposition/conditions to be avoided:

No decomposition if used as directed.

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**Substances to avoid:**

Strong acids and oxidising agents.

**Hazardous reactions:**

No hazardous reactions known.

**Hazardous decomposition products:**

Hazardous combustion products: see section 5.

**SECTION 11: Toxicological information**

Classification acc. to GHS

This mixture does not meet the criteria for classification.

**Acute toxicity**

Shall not be classified as acutely toxic.

GHS of the United Nations, annex 4. May be harmful if swallowed or in contact with skin.

Exposure route	Endpoint	Value	Species	Source
oral	LD50	>2500 mg/kg	rat	ECHA
dermal	LD50	>2500 mg/kg	rabbit	ECHA

**Skin corrosion/irritation**

Causes Skin irritation.

**Serious eye damage/eye irritation**

Causes serious eye irritation.

**Respiratory or skin sensitisation**

May damage the unborn child. May damage fertility.

**Germ cell mutagenicity**

Shall not be classified as germ cell mutagenic.

**Carcinogenicity**

Shall not be classified as carcinogenic.

**Reproductive toxicity**

May damage the unborn child. May damage fertility.

**Specific target organ toxicity - single exposure**

Shall not be classified as a specific target organ toxicant (single exposure).

**Specific target organ toxicity - repeated exposure**

Shall not be classified as a specific target organ toxicant (repeated exposure).

**Aspiration hazard**

Shall not be classified as presenting an aspiration hazard.

**Symptoms related to the physical, chemical and toxicological characteristics**

• If swallowed:

vomiting, nausea, gastrointestinal complaints

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- If in eyes  
causes serious eye irritation
- If inhaled  
not possible
- If on skin  
Frequently or prolonged contact with skin may cause skin irritation
- Other information  
none

## SECTION 12: Ecological information

### 12.1 Toxicity

Shall not be classified as hazardous to the aquatic environment.

Endpoint	Value	Species	Source	Exposure time
LC50	<180 mg/l	fish	ECHA	96 h
EC50	40,4 mg/l	aquatic invertebrates	ECHA	48 h

### 12.2 Persistence and degradability:

Theoretical Oxygen Demand: -0.1158 mg/mg

Theoretical Carbon Dioxide: 0.3184 mg/mg

**12.3 Bioaccumulative potential:** Data are not available.

**12.4 Mobility in soil:** Data are not available.

### 12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

### 12.6 Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) at a concentration of  $\geq 0,1\%$ .

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

This material and its container must be disposed of as hazardous waste. Dispose of contents/container in accordance with local/regional/national/international regulations. **Sewage disposal-relevant information**  
Do not empty into drains.

#### Waste treatment of containers/packagings

It is a dangerous waste; only packagings which are approved (e.g. acc. to ADR) may be used. Handle contaminated packages in the same way as the substance itself. Completely emptied packages can be recycled.

### 13.2 Relevant provisions relating to waste

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

#### Properties of waste which render it hazardous

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HP 4 irritant - skin irritation and eye damage

HP 8 corrosive

**13.3 Remarks**

Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities. Please consider the relevant national or regional provisions. Non-contaminated packages may be recycled.

**SECTION 14: Transport information**

14.1 UN-Number ADR, ADN, IMDG, IATA	not subject to transport regulations
14.2 UN proper shipping name ADR, IMDG, IATA	not assigned
14.3 Transport hazard classes ADR, ADN, IMDG, IATA	not assigned
14.4 Packing group ADR, ADN, IMDG, IATA	not assigned
14.5 Environmental hazards Marine pollutant:	non-environmentally hazardous acc. to the dangerous goods regulations
14.6 Special precautions for user	not applicable
14.7 Transport in bulk according to annex II of Marpol and the IBC code	not applicable



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**14.8 Information for each of the UN Model Regulations**

Transport information National regulations Additional information (UN RTDG)

Not subject to transport regulations. UN RTDG

International Maritime Dangerous Goods Code (IMDG) - Additional information

Not subject to IMDG.

International Civil Aviation Organization (ICAO-IATA/DGR) - Additional information

Not subject to ICAO-IATA.

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

There is no additional information

**15.2 Chemical safety assessment**

A Chemical Safety Assessment has not been carried out.

**SECTION 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.

**List of relevant phrases (code and full text as stated in section 2 and 3)**

H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H360FD May damage fertility. May damage the unborn child

**Precautionary statements – prevention**

P280 Wear protective gloves

**Precautionary statements – response**

P302+P352 IF ON SKIN: Wash with plenty of water  
P305+P351+P338 IIF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

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ADR: Accord europeen sur le transport des marchandises Dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
RID: Reglement internationale concernent le transport des marchandises dangereuses par chemin de fer ( Regulations concerning the international Transport of Dangerous Goods by Rail)  
MDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
ATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)  
ICAO: International Civil Aviation Organization  
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)  
GHS: Globally Harmonized System of Classification and Labelling of Chemicals  
GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)  
VOC: Volatile Organic Compounds (USA, EU)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative

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Trade name: PYRO 48 A

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

Trade name: PYRO 48 part A

UFI: 9800-P0U7-H002-TVDF

**1.2 Application of the mixture:** Film developer**1.3 Details of the supplier of the safety data sheet**

Manufacturer/Supplier:

Moersch Photochemie  
Am Heideberg 48  
50354 Hürth  
Tel.: + 49(0)2233-943137  
Fax: + 49(0)2233-943138  
E-Mail: [wolfgang@moersch-photochemie.de](mailto:wolfgang@moersch-photochemie.de)  
[www.moersch-photochemie.de](http://www.moersch-photochemie.de)

**1.4 Emergency telephone number:**

Poison Information Centre Berlin (Germany): +49 (0) 30 - 30686 790

**SECTION 2: Hazards identification****2.1 Classification of the mixture**

Classification according to Regulation (EC) No 1272/2008 (CLP)

Section	Hazard Class	Category	Hazard Class and category	Hazard statement
3.1O	Acute Toxicity (oral)	4	Acute Tox. 4	H302
3.1D	Acute Toxicity (dermal)	4	Acute Tox. 4	H312
3.5	Germ cell mutagenicity	2	Muta. 2	H341
4.1C	Hazardous to the aquatic environment – chronic hazard	3	Aquatic chronic 3	H412

**2.2 Label elements**

Labelling according to Regulation (EC) No 1272/2008 (CLP)

Signal word

Warning

Pictograms



GHS07

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**Hazard statements**

H302 Harmful if swallowed.  
H312 Harmful in contact with skin.  
H341 Suspected of causing genetic defects  
H412 Harmful to aquatic life with long lasting effects

**Precautionary statements – prevention**

P280 Wear protective gloves

**Precautionary statements – response**

P302+P352 IF ON SKIN: Wash with plenty of water  
P305+P351+P338 I IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

For professional users only

Labelling of packages where the contents do not exceed 125 ml

**2.3 Other hazards**

Results of PBT and vPvB assessment

According to the results of its assessment, this substance is not a PBT or a vPvB.

Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) at a concentration of  $\geq 0,1\%$ .

**SECTION 3: Composition/information on ingredients**

Chemical characterisation: Mixture

Contains:

Identifier	Substance	Classification	% w/w
CAS-No 13047-13-7 EC-No 235-920-3	4-Hydroxymethyl-4-methyl-1-phenyl-3-pyrazolidon (HMP)	Acute Tox. 4, H302 Skin Sens. 1, H317 Aquatic Chronic 2, H411	<0,3 %
CAS-No 87-66-1 EC-No 201.762.9	1,2,3-Trihydroxybenzol (Pyrogallol)	Acute Tox. 4, H302 Muta 2, H341 Aquatic Chronic 3, H412	7-9 %

**SECTION 4: First aid measures**

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#### 4.1 Description of first aid measures

**General information:** Take off contaminated clothing

**After skin contact:** Immediately rinse with water.

**After eye contact:** Rinse opened eye for several minutes under running water. If symptoms persist, consult medical advise.

**After swallowing:** If symptoms persist consult doctor.

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

Irritation, Gastrointestinal complaints, Diarrhoea, Abdominal pain, Nausea, Vomiting

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

none

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

Suitable extinguishing agents:

co-ordinate firefighting measures to the fire surroundings!

water, foam, alcohol resistant foam, dry extinguishing powder, ABC-powder

Unsuitable extinguishing media

water jet

#### 5.2 In case of fire may be liberated:

Carbon monoxide (CO), Carbon dioxide (CO<sub>2</sub>)

#### 5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Fight fire with normal precautions from a reasonable distance. Wear self-contained breathing apparatus.

### SECTION 6: Accidental release measures

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

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

#### 6.2 Environmental precautions:

Dilute with plenty of water.

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). Ensure adequate ventilation.

#### 6.4 Reference to other sections

See Section 7 for information on safe handling.

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

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

#### Provision of sufficient ventilation.

Measures to prevent fire as well as aerosol and dust generation

Advice on general occupational hygiene

Wash hands before breaks and after work. Keep away from food, drink and animal feedingstuffs.

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

Keep container tightly closed.

Incompatible substances or mixtures

Observe hints for combined storage. Incompatible materials: see section 10.

Consideration of other advice: Ventilation requirements

Use local and general ventilation.

Specific designs for storage rooms or vessels

Recommended storage temperature: 15 – 25 °C

### 7.3 Specific end use(s)

Avoid contact with skin

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### 8.1 Occupational exposure limit values (Workplace Exposure Limits)

This information is not available.

#### Human health values

#### Relevant DNELs levels

##### Relevant DNELs of components

Substance	Endpoint	Threshold level	Protection goal, exposure route	Used in	Exposure time
Pyrogallol	DNEL	6,2 mg/m <sup>3</sup>	human, dermal	worker	chronic-local effects

##### Relevante PNEC von Bestandteilen

Substance	Endpoint	Threshold level	Organismns	Environmental compartment	Exposure time
Pyrogallol	PNEC	4,33 mg/l	aquatic	freshwater	short term

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			organismns		(single exposure)
Pyrogallol	PNEC	0,433 mg/l	aquatic organismns	marine water	short term (single exposure)
Pyrogallol	PNEC	100 mg/l	aquatic organismns	sewage treatment plant (STP)	short term (single exposure)
Pyrogallol	PNEC	0,155 mg/kg	aquatic organismns	freshwater sediment	short term (single exposure)
Pyrogallol	PNEC	015,5 mg/kg	aquatic organismns	marine sediment	short term (single exposure)

## 8.2 Exposure controls

### Individual protection measures (personal protective equipment)

#### Eye/face protection

Use safety goggle with side protection.

#### Skin protection

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374.

#### Type of material

NBR (nitrile rubber)

Material thickness

>0,11 mm

#### Breakthrough times of the glove material

>480 minutes (permeation: level 6)

#### Environmental exposure controls

Keep away from drains, surface and ground water.

## SECTION 9: Physical and chemical properties

General information Form: Colour: Odour:	fluid yellow odourless
Change in condition Melting point: Melting range:	undetermined > 100° C
Flash point	Not applicable
Flammability	Not applicable
Danger of explosion	Not applicable
Vapour pressure at 20° C	Not determined
Density at 20° C	1.14 g/cm <sup>3</sup>
Solubility in/Miscibility with water	Fully miscible

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pH-Value at 20° C	4,6
Solvent content	
Organic solvents:	0 %
Water:	>80 %
VOC (EU):	0 %

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

This mixture is not reactive under normal ambient conditions.

### 10.2 Chemical stability

The material is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

### 10.3 Possibility of hazardous reactions

Violent reaction with: Strong oxidisers

### 10.4 Conditions to avoid

UV-radiation/sunlight. Keep away from heat and cold.

### 10.5 Incompatible materials

There is no additional information.

### Release of toxic materials with

Acids.

### 10.6 Hazardous decomposition products

Hazardous combustion products: see section 5.

## SECTION 11: Toxicological information

Classification acc. to GHS

GHS of the United Nations, annex 4. May be harmful if swallowed or in contact with skin.

Acute toxicity (dermal)

Exposure route	Endpoint	Value	Species	Source
dermal	LD50	>2000 mg/kg	rabbit	ECHA

### Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

### Serious eye damage/eye irritation

Shall not be classified as seriously damaging to the eye or eye irritant.

### Respiratory or skin sensitisation



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Shall not be classified as a respiratory or skin sensitiser.

**Germ cell mutagenicity**

Suspected of causing genetic defects.

**Carcinogenicity**

Shall not be classified as carcinogenic.

**Reproductive toxicity**

Shall not be classified as a reproductive toxicant.

**Specific target organ toxicity - single exposure**

Shall not be classified as a specific target organ toxicant (single exposure).

**Specific target organ toxicity - repeated exposure**

Shall not be classified as a specific target organ toxicant (repeated exposure).

**Aspiration hazard**

Shall not be classified as presenting an aspiration hazard.

Symptoms related to the physical, chemical and toxicological characteristics

- If swallowed

gastrointestinal complaints, vomiting, diarrhoea

- If in eyes

causes slight to moderate irritation

- If on skin

Frequently or prolonged contact with skin may cause dermal irritation, risk of absorption via the skin

- Other information

Other adverse effects: Spasms, Circulatory collapse

Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) at a concentration of  $\geq 0,1\%$ .

Information on other hazards

There is no additional information

**SECTION 12: Ecological information****12.1 Toxicity**

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Harmful to aquatic life with long lasting effects.

Aquatic toxicity (acute)

Endpoint	Value	Species	Source	Exposure time
ErC5050	4,334 mg/l	algae	ECHA	72 h

Aquatic toxicity (chronic)

Endpoint	Value	Species	Source	Exposure time
EC50	>1000 mg/l	microorganismns	ECHA	3 h

#### 12.2 Persistence and degradability:

Theoretical Oxygen Demand: 1,522 mg/mg

Theoretical Carbon Dioxide: 2,094 mg/mg

**12.3 Bioaccumulative potential:** Does not significantly accumulate in organisms.

**12.4 Mobility in soil:** Data are not available.

#### 12.5 Results of PBT and vPvB assessment

no data available

#### 12.6 Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) at a concentration of  $\geq 0,1\%$ .

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

This material and its container must be disposed of as hazardous waste. Dispose of contents/container in accordance with local/regional/national/international regulations.

#### Sewage disposal-relevant information

Do not empty into drains.

#### Waste treatment of containers/packagings

It is a dangerous waste; only packagings which are approved (e.g. acc. to ADR) may be used. Handle contaminated packages in the same way as the substance itself. Completely emptied packages can be recycled.

### 13.2 Relevant provisions relating to waste

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

#### Properties of waste which render it hazardous

HP 6 acute toxicity

HP 11 mutagenic

HP 14 ecotoxic

### 13.3 Remarks

Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities. Please consider the relevant national or regional provisions. Non-contaminated packages may be recycled.

## SECTION 14: Transport information

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<b>14.1 UN number or ID number</b>	not subject to transport regulations
<b>14.2 UN proper shipping name</b>	not assigned
<b>14.3 Transport hazard class(es)</b>	none
<b>14.4 Packing group</b>	not assigned
<b>14.5 Umweltgefahren</b>	non-environmentally hazardous acc. to the dangerous goods regulations
<b>14.06 Special precautions for user</b>	There is no additional information.

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

The cargo is not intended to be carried in bulk.

**14.8 Information for each of the UN Model Regulations****Transport of dangerous goods by road, rail or inland waterway (ADR/RID/ADN) - Additional information**

Not subject to ADR, RID and ADN regulations.

**International Maritime Dangerous Goods Code (IMDG) - Additional information**

Not subject to IMDG

**International Civil Aviation Organization (ICAO-IATA/DGR) - Additional information**

Not subject to ICAO-IATA.

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture .**

Relevant provisions of the European Union (EU)

**Seveso Directive**

not assigned

**Deco-Paint Directive**

VOC-content 0 %

**Industrial Emissions Directive (IED)**

VOC-content 0 %

**Regulation on substances that deplete the ozone layer (ODS)**

not listed

**Regulation concerning the export and import of hazardous chemicals (PIC)**

not listed

**Regulation on persistent organic pollutants (POP)**

not listed

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**National regulations(GB)****List of substances subject to authorisation (GB REACH, Annex 14) / SVHC - candidate list**

not listed

**Restrictions according to GB REACH, Annex 17**

Dangerous substances with restrictions (GB REACH, Annex 17)

Name of substance	Name acc. to inventory	No
Pyrogallol	Substances and preparations, or the breakdown products of such, which have been proved to possess carcinogenic or mutagenic properties or properties which may affect steroidogenic, thyroid, reproduction or other endocrinereLATED functions in or via the aquatic environment	a)

## Other information

Directive 94/33/EC on the protection of young people at work. Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

**15.2 Chemical safety assessment:**

A Chemical Safety Assessment has not been carried out.

**SECTION 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.

**List of relevant phrases (code and full text as stated in section 2 and 3)**

H302+H312	Harmful if swallowed or in contact with skin
H341	Suspected of causing genetic defects
H412	Harmful to aquatic life with long lasting effects

## Abbreviations and acronyms

ADR: Accord europeen sur le transport des marchandises Dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
RID: Reglement internationale concernent le transport des marchandises dangereuses par chemin de

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fer ( Regulations concerning the international Transport of Dangerous Goods by Rail)  
MDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
ATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)  
ICAO: International Civil Aviation Organization  
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)  
GHS: Globally Harmonized System of Classification and Labelling of Chemicals  
GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)  
VOC: Volatile Organic Compounds (USA, EU)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative