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Trade name: FINOL A

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

Trade name: FINOL Part A
UFI: WF00-Q071-4002-4JJK

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
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
3.1D	Acute toxicity (dermal)	4	Acute Tox. 4	H312
3.1O	Acute toxicity (oral)	4	Acute Tox. 4	H302
3.2	Skin corrosion/irritation	2	Skin Irrit. 2	H315
3.3	Serious eye damage/eye irritation	2	Eye Irrit. 2	H319
4.1C	Hazardous to the aquatic environment – chronic hazard	3	Aquatic Chronic 3	H412

For full text of abbreviations: see SECTION 16

2.2 Label elements

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

Labelling of packaging with a content of no more than 125 ml

Signal word Warning

Pictograms

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GHS07, GHS08

**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/protective clothing/eye protection/face protection.

Precautionary statements – response

P302+P352 IF ON SKIN: Wash with plenty of water

P308 + P313 IF exposed or concerned: Get medical advice/attention.

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. 25646-77-9 EG-Nr. 247-162-0 Indexnr. 612-133-00-7	N4-Ethyl-N4-(2-hydroxyethyl)-2-methyl-1,4-phenylenediamine sulfate salt (CD4)	Acute Tox. 2, H300 Skin Sens. 1, H317 STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	<2%
CAS-Nr.87-66-1 EG-Nr. 201-762-9 Indexnr. 604-009-00-6	1,2,3-Trihydroxybenzol (Pyrogallol)	Acute Tox. 4, H302 Muta 2, H341 Aquatic Chronic 3, H412	8 %
CAS-Nr. 7681-57-4 EG-Nr. 231-673-0	Sodium disulfite	Acute Tox. 4, H302 Eye Dam. 31, H318	<10 %

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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 (CO₂)**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.

SECTION 7: Handling and storage

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Precautions for safe handling

Measures to protect the environment

Avoid release to the environment.

Advice on general occupational hygiene

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

Conditions for safe storage, including any incompatibilities

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.

Store away from foodstuffs.

Specific designs for storage rooms or vessels

Keep container tightly sealed.

Store in cool, dry conditions in well sealed receptacles.

Recommended storage temperature: 15 – 25 °C

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 ³	human, dermal	worker	chronic-local effects
Natriumdisulfid	DNEL	225 mg/m ³	human, inhalativ	worker	chronic-local effects

Relevante PNEC von Bestandteilen

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

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Pyrogallol	PNEC	0,155 mg/kg	aquatic organisms	freshwater sediment	short term (single exposure)
Pyrogallol	PNEC	015,5 mg/kg	aquatic organisms	marine sediment	short term (single exposure)
Sodium disulfite	PNEC	1 mg/l	aquatic organisms	freshwater	short term (single exposure)
Sodium disulfite	PNEC	0,1 mg/l	aquatic organisms	marine water	short term (single exposure)
Sodium disulfite	PNEC	75,4 mg/l	aquatic organisms	sewage treatment plant (STP)	short term (single exposure)

8.2 Exposure controls

Individual protection measures (personal protective equipment)

Eye/face protection

Use safety goggles 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 ³
Solubility in/Miscibility with water	Fully miscible
pH-Value at 20° C	5.0
Solvent content	

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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

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Classification according to GHS (1272/2008/EC, CLP)

Acute toxicity

Harmful if swallowed. Harmful in contact with skin.

Exposure route	Endpoint	Value	Species	Source
dermal	LD50	<2000 mg/kg	rat	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

Shall not be classified as a respiratory or skin sensitiser.

Germ cell mutagenicity

Suspected of causing genetic defects (if swallowed).

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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 serious eye irritation

• If on skin

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

• Other information

none

11.2 Endocrine disrupting properties

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

11.3 Information on other hazards

There is no additional information.

SECTION 12: Ecological information
12.1 Toxicity

Harmful to aquatic life with long lasting effects.

Aquatic toxicity (acute)

Endpoint	Value	Species	Source	Exposure time
ErC50	22 mg/l	algae	ECHA	72 h

Aquatic toxicity (chronic)

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

12.2 Persistence and degradability: No further relevant information available.

12.3 Bioaccumulative potential: Does not significantly accumulate in organisms.

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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 Other adverse effects No further relevant information available.**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

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

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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

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	a)

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	carcinogenic or mutagenic properties or properties which may affect steroidogenic, thyroid, reproduction or other endocrinerelated functions in or via the aquatic environment	
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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.

H-Phrases

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/protective clothing/eye protection/face protection.

Precautionary statements – response

P302+P352 IF ON SKIN: Wash with plenty of water

P308 + P313 IF exposed or concerned: Get medical advice/attention.

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

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EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

DNEL: Derived No-Effect Level (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

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

1.1 Product identifier

Trade name: TANOL part B

Application of the mixture: Film developer

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
www.moersch-photochemie.de

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	2A	Eye Irrit. 2A	H319

For full text of abbreviations: see SECTION 16

The most important adverse physicochemical, human health and environmental effects

Spillage and fire water can cause pollution of watercourses.

2.2 Label elements

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

Signal word Warning
Pictograms

GHS07



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Hazard statements

H315 Causes skin irritation

H319 Causes serious eye irritation

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-No 584-08-7 EC-No 209-529-3	Potassium carbonate	H315 H319	<25%

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.

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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 (CO₂)

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.

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

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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

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

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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	1.24 g/cm ³
Solubility in/Miscibility with water	Fully miscible
pH-Value at 20° C	11,1
Solvent content	
Organic solvents:	0 %
Water:	>70 %
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.

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

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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	>2000 mg/kg	rat	ECHA
dermal	LD50	>2000 mg/kg	rabbit	ECHA

Skin corrosion/irritation

Causes Skin irritation.

Serious eye damage/eye irritation

Causes serious eye irritation.

Respiratory or skin sensitisation

Shall not be classified as a respiratory or skin sensitiser.

Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

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:

data are not available

- If in eyes

causes serious eye irritation

- If inhaled

not possible

- If on skin

causes skin irritation

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- 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	68 mg/l	fish	ECHA	96 h
EC50	200 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

HP 4 irritant - skin irritation and eye damage

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.

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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
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	

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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

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 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