

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## INTENSIVE Augenbrauen- und Wimpernfarbe MITTELBRAUN

Revision date: 04.08.2017

Product code: AWM0001

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

#### 1.1. Product identifier

INTENSIVE Augenbrauen- und Wimpernfarbe MITTELBRAUN

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

##### Use of the substance/mixture

Cosmetics  
Restricted to professional users.

##### Uses advised against

none

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

Company name:	Biosmetics GmbH	
Street:	Ziegeleiweg 40	
Place:	D Goldberg	
Telephone:	+49 [0] 451   30 800 90	Telefax: +49 [0] 451   20 351 03
Responsible Department:	Dr. Gans-Eichler	e-mail: info@tge-consult.de
	Chemieberatung GmbH	Tel.: +49 (0)251/924520-60
	Raesfeldstr. 22	www.tge-consult.de
	D-48149 Münster	

#### 1.4. Emergency telephone number:

Tel.: +49 (0) 170 2450126

#### Further Information

This product is subject to the cosmetic regulation. This sheet was prepared on a voluntary basis.

INCI: AQUA, CETEARYL ALCOHOL, GLYCERYL STEARATE SE, OLEAMIDE DEA, SODIUM CETEARYL SULFATE, P-PHENYLENEDIAMINE, RESORCINOL, HELIANTHUS ANUUS SEED OIL, AMMONIUM HYDROXIDE, LANOLIN, P-AMINOPHENOL, M-AMINOPHENOL, SODIUM SULFITE, PARFUM, LIMONENE, BUTYLPHENYL METHYLPROPIONAL (LILAL), LINALOOL, CITRAL, GERANIOL

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Regulation (EC) No. 1272/2008

Hazard categories:  
Hazardous to the aquatic environment: Aquatic Chronic 3  
Hazard Statements:  
Harmful to aquatic life with long lasting effects .

#### 2.2. Label elements

##### Regulation (EC) No. 1272/2008

##### Hazard statements

H412 Harmful to aquatic life with long lasting effects.

##### Precautionary statements

P273 Avoid release to the environment.  
P501 Dispose of contents/container to in accordance with official regulations.

##### Special labelling of certain mixtures

EUH208 Contains p-phenylenediamine, 1,3-benzenediol, resorcinol. May produce an allergic reaction.

##### Additional advice on labelling

Labelling according to cosmetic directive.

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### 2.3. Other hazards

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Chemical characterization in aqueous solution

#### Hazardous components

CAS No	Chemical name	Quantity
	EC No	
	Index No	
	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]	
	Amides, C18-unsatd., N,N-bis(hydroxyethyl)	1 - < 5 %
	700-972-2	01-2119968565-22
	Skin Irrit. 2, Eye Irrit. 2, Aquatic Chronic 2; H315 H319 H411	
106-50-3	p-phenylenediamine	< 1 %
	203-404-7	612-028-00-6
	Acute Tox. 3, Acute Tox. 3, Acute Tox. 3, Eye Irrit. 2, Skin Sens. 1, Aquatic Acute 1 (M-Factor = 1), Aquatic Chronic 1; H331 H311 H301 H319 H317 H400 H410	
108-46-3	1,3-benzenediol, resorcinol	< 1 %
	203-585-2	604-010-00-1
	Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1, Skin Sens. 1, STOT SE 1, STOT SE 2, Aquatic Acute 1 (M-Factor = 1); H302 H315 H318 H317 H370 H371 H400	
1336-21-6	Ammonia ... %	< 1 %
	215-647-6	007-001-01-2
	01-2119488876-14	
	Skin Corr. 1B, STOT SE 3, Aquatic Acute 1 (M-Factor = 1), Aquatic Chronic 2; H314 H335 H400 H411	
123-30-8	4-aminophenol	< 1 %
	204-616-2	612-128-00-X
	Muta. 2, Acute Tox. 4, Acute Tox. 4, Aquatic Acute 1 (M-Factor = 1), Aquatic Chronic 1; H341 H332 H302 H400 H410	

Full text of H and EUH statements: see section 16.

#### Further Information

Product does not contain listed SVHC substances > 0,1 % according to Regulation (EC) No. 1907/2006 Article 59 (REACH).

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

#### After inhalation

In case of accident by inhalation: remove casualty to fresh air and keep at rest. In case of allergic symptoms, especially in the breathing area, seek medical advice immediately.

#### After contact with skin

After contact with skin, wash immediately with plenty of water and soap. In case of skin irritation, seek medical treatment.

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### After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water. In case of troubles or persistent symptoms, consult an ophthalmologist.

### After ingestion

Rinse mouth thoroughly with water. Let water be drunken in little sips (dilution effect). Do NOT induce vomiting. Never give anything by mouth to an unconscious person or a person with cramps. In all cases of doubt, or when symptoms persist, seek medical advice.

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

No information available.

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

Carbon dioxide (CO<sub>2</sub>). Dry extinguishing powder. alcohol resistant foam. Atomized water.

#### Unsuitable extinguishing media

High power water jet.

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

Can be released in case of fire: Carbon monoxide Carbon dioxide (CO<sub>2</sub>). Nitrogen oxides (NO<sub>x</sub>). Sulfur oxides.

### 5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

### Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. Co-ordinate fire-fighting measures to the fire surroundings.

## SECTION 6: Accidental release measures

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

Provide adequate ventilation. Avoid contact with skin, eyes and clothes. Wear personal protection equipment (refer to section 8).

### 6.2. Environmental precautions

Prevent spread over a wide area (e.g. by containment or oil barriers). Do not allow to enter into surface water or drains.

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

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).  
Treat the recovered material as prescribed in the section on waste disposal .  
Clean contaminated objects and areas thoroughly observing environmental regulations.

### 6.4. Reference to other sections

Safe handling: see section 7  
Personal protection equipment: see section 8  
Disposal: see section 13

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Advice on safe handling

Provide adequate ventilation.  
Wear suitable protective clothing. See section 8.

#### Advice on protection against fire and explosion

Usual measures for fire prevention.

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#### Further information on handling

Avoid contact with skin, eyes and clothes.

General protection and hygiene measures: refer to chapter 8

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

##### Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place.

##### Advice on storage compatibility

Do not store together with: Explosives. Oxidizing solids. Oxidizing liquids. Radioactive substances. Infectious substances. Food and animal feedingstuff.

##### Further information on storage conditions

Keep the packing dry and well sealed to prevent contamination and absorption of humidity.

Protect against: Light. UV-radiation/sunlight. heat. moisture.

#### 7.3. Specific end use(s)

refer to chapter 1.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### Exposure limits (EH40)

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
7664-41-7	Ammonia, anhydrous	25	18		TWA (8 h)	WEL
		35	25		STEL (15 min)	WEL
108-46-3	Resorcinol	10	46		TWA (8 h)	WEL
		20	92		STEL (15 min)	WEL
106-50-3	p-Phenylenediamine	-	0.1		TWA (8 h)	WEL
		-	-		STEL (15 min)	WEL

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### DNEL/DMEL values

CAS No	Substance		
DNEL type	Exposure route	Effect	Value
	Amides, C18-unsatd., N,N-bis(hydroxyethyl)		
Worker DNEL, long-term	inhalation	systemic	73,44 mg/m <sup>3</sup>
Worker DNEL, long-term	dermal	systemic	4,16 mg/kg bw/day
Worker DNEL, long-term	dermal	local	0,0312 mg/cm <sup>2</sup>
Consumer DNEL, long-term	inhalation	systemic	21,73 mg/m <sup>3</sup>
Consumer DNEL, long-term	dermal	systemic	2,5 mg/kg bw/day
Consumer DNEL, long-term	dermal	local	0,01873 mg/cm <sup>2</sup>
Consumer DNEL, long-term	oral	systemic	6,25 mg/kg bw/day
1336-21-6	Ammonia ... %		
Worker DNEL, long-term	dermal	systemic	6,8 mg/kg bw/day
Worker DNEL, acute	dermal	systemic	6,8 mg/kg bw/day
Worker DNEL, long-term	inhalation	systemic	47,6 mg/m <sup>3</sup>
Worker DNEL, long-term	inhalation	local	14 mg/m <sup>3</sup>
Worker DNEL, acute	inhalation	systemic	47,6 mg/m <sup>3</sup>
Worker DNEL, acute	inhalation	local	36 mg/m <sup>3</sup>
Consumer DNEL, acute	dermal	systemic	68 mg/kg bw/day
Consumer DNEL, long-term	dermal	systemic	68 mg/kg bw/day
Consumer DNEL, long-term	inhalation	systemic	23,8 mg/m <sup>3</sup>
Consumer DNEL, long-term	inhalation	local	2,8 mg/m <sup>3</sup>
Consumer DNEL, acute	inhalation	systemic	23,8 mg/m <sup>3</sup>
Consumer DNEL, acute	inhalation	local	7,2 mg/m <sup>3</sup>
Consumer DNEL, long-term	oral	systemic	6,8 mg/kg bw/day
Consumer DNEL, acute	oral	systemic	6,8 mg/kg bw/day

### PNEC values

CAS No	Substance	
Environmental compartment	Value	
	Amides, C18-unsatd., N,N-bis(hydroxyethyl)	
Freshwater	0,007 mg/l	
Freshwater (intermittent releases)	0,032 mg/l	
Marine water	0,0007 mg/l	
Freshwater sediment	0,2663 mg/kg	
Marine sediment	0,02663 mg/kg	
Micro-organisms in sewage treatment plants (STP)	830 mg/l	
Soil	0,1262 mg/kg	
1336-21-6	Ammonia ... %	
Freshwater	0,0011 mg/l	
Freshwater (intermittent releases)	0,0068 mg/l	
Marine water	0,0011 mg/l	

### 8.2. Exposure controls

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#### Appropriate engineering controls

If handled uncovered, arrangements with local exhaust ventilation should be used if possible.

#### Protective and hygiene measures

Always close containers tightly after the removal of product. When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work. Wash contaminated clothing prior to re-use. Used working clothes should not be worn outside the work area. Street clothing should be stored separately from work clothing.

#### Eye/face protection

Wear safety glasses; chemical goggles (if splashing is possible).

#### Hand protection

Pull-over gloves of rubber.

Suitable material:

CR (polychloroprenes, Chloroprene rubber). (0,5 mm)

NBR (Nitrile rubber). (0,35 mm)

FKM (fluororubber). (0,4 mm)

PVC (Polyvinyl chloride). (0,5 mm)

Butyl rubber. (0,5 mm)

Before using check leak tightness / impermeability. In the case of wanting to use the gloves again, clean them before taking off and air them well.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

#### Skin protection

Suitable protective clothing: Lab apron.

Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500.

#### Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required.

Respiratory protection necessary at:

generation/formation of aerosols

exceeding exposure limit values

Suitable respiratory protective equipment: Combination filtering device (EN 14387)

Type

: A/ P1-3

The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, closed-circuit breathing apparatus must be used!

#### Environmental exposure controls

Avoid release to the environment.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state:	liquid
Colour:	not determined
Odour:	characteristic
pH-Value:	10-11 (50% in aqueous solution)

#### Changes in the physical state

Melting point:	not determined
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Initial boiling point and boiling range:	not determined
Flash point:	not determined
Sustaining combustion:	Not sustaining combustion
<b>Explosive properties</b>	
none	
Lower explosion limits:	not determined
Upper explosion limits:	not determined
Ignition temperature:	not determined
Decomposition temperature:	not determined
<b>Oxidizing properties</b>	
none	
Vapour pressure:	not determined
Density:	not determined
Water solubility:	not determined
<b>Solubility in other solvents</b>	
not determined	
Viscosity / dynamic:	not determined
Viscosity / kinematic:	not determined
Flow time:	not determined
Vapour density:	not determined

#### **9.2. Other information**

Solid content:	not determined
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### **SECTION 10: Stability and reactivity**

#### **10.1. Reactivity**

No information available.

#### **10.2. Chemical stability**

The mixture is chemically stable under recommended conditions of storage, use and temperature.

#### **10.3. Possibility of hazardous reactions**

No information available.

#### **10.4. Conditions to avoid**

Protect against: UV-radiation/sunlight. heat.

#### **10.5. Incompatible materials**

Materials to avoid: Oxidizing agents, strong. Reducing agents, strong.

#### **10.6. Hazardous decomposition products**

Can be released in case of fire: Carbon monoxide Carbon dioxide (CO<sub>2</sub>). Nitrogen oxides (NO<sub>x</sub>). Sulfur oxides.

### **SECTION 11: Toxicological information**

#### **11.1. Information on toxicological effects**

##### **Toxicokinetics, metabolism and distribution**

No data available.

##### **Acute toxicity**

Based on available data, the classification criteria are not met.

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CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
	Amides, C18-unsatd., N,N-bis(hydroxyethyl)				
	oral	LD50 >5000 mg/kg	Rat	ECHA Dossier	
106-50-3	p-phenylenediamine				
	oral	LD50 75 mg/kg	Rat. (OECD 420)	ECHA Dossier	
	dermal	ATE 300 mg/kg			
	inhalative (4 h) vapour	LC50 0,92 mg/l	Rat. (OECD 403)	ECHA Dossier	
	inhalative aerosol	ATE 0,5 mg/l			
108-46-3	1,3-benzenediol, resorcinol				
	oral	LD50 (510= mg/kg)	Rat	ECHA Dossier	
	dermal	LD50 >2000 mg/kg	Rabbit	ECHA Dossier	
	inhalative (1 h) aerosol	LC50 (7,8) mg/l	Rat	ECHA Dossier	
1336-21-6	Ammonia ... %				
	oral	LD50 (350) mg/kg	Rat.	GESTIS	
	inhalative (4 h) vapour	LC50 (1,4) mg/l	Rat.	RTECS	
123-30-8	4-aminophenol				
	oral	LD50 671 mg/kg	Rat	ECHA Dossier	
	dermal	LD50 >2000 mg/kg	Rabbit	ECHA Dossier	
	inhalative vapour	ATE 11 mg/l			
	inhalative (4 h) aerosol	LC50 >3,42 mg/l	Rat	ECHA Dossier	

#### Irritation and corrosivity

Based on available data, the classification criteria are not met.

#### Sensitising effects

Based on available data, the classification criteria are not met.

#### Carcinogenic/mutagenic/toxic effects for reproduction



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Based on available data, the classification criteria are not met.

p-phenylenediamine (CAS No. 106-50-3):

In vivo mutagenicity/genotoxicity: No experimental indications of in vivo mutagenicity exist.

Developmental toxicity/teratogenicity:

Exposure time: 20d

Species: Rat.

Method: OECD Guideline 414

Result: NOAEL = 10 mg/kg(bw)/day

Literature information: ECHADossier

4-aminophenol (CAS No. 123-30-8):

In vitro mutagenicity/genotoxicity:

Method: OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test)

Result: positive.

Method: OECD Guideline 471 (Bacterial Reverse Mutation Assay)

Result: negative.

In vivo mutagenicity/genotoxicity:

Method: OECD Guideline 486 (Unscheduled DNA Synthesis (UDS) Test with Mammalian Liver Cells in vivo)

Result: negative.

Method: OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test)

Result: positive.

Carcinogenicity:

Exposure time: 102 weeks

Species: Rat.

Method: OECD Guideline 451

Result: NOEC = 30 mg/kg(bw)/day

Reproductive toxicity:

Exposure time: 60d

Species: Rat.

Method: OECD Guideline 421

Result: NOAEL = 100mg/kg(bw)/day

Developmental toxicity/teratogenicity:

Exposure time: 60d

Species: Rat.

Method: OECD Guideline 421

Result: NOAEL = 100mg/kg(bw)/day

Literature information: ECHADossier

3-aminophenol (CAS No.591-27-5):

In vitro mutagenicity/genotoxicity:

Method: OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test)

Result: positive. / negative.

Method: bacterial reversion assay, the WP2 Mutoxitest

Result: negative.

Method: OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)

Result: negative.

Method: OECD Guideline 471 (Bacterial Reverse Mutation Assay)

Result: negative.

Developmental toxicity/teratogenicity:

Exposure time: 20d

Species: Rat.

Method: OECD Guideline 414

Result: NOEL = 100 mg/kg(bw)/day

Literature information: ECHADossier

1,3-benzenediol, resorcinol (CAS No. 108-46-3):

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In vitro mutagenicity/genotoxicity: Evidence for in vitro mutagenicity.

In vivo mutagenicity/genotoxicity: No experimental indications of in vivo mutagenicity exist.

Reproductive toxicity:

Exposure time: 18 month

Species: Rat.

Method: OECD Guideline 416

Result: NOAEL = 3000 mg/kg(bw)/day

Developmental toxicity/teratogenicity:

Exposure time: 20d

Species: Rat.

Method: OECD Guideline 414

Result: NOAEL = 250mg/kg(bw)/day

Literature information: ECHADossier

Amides, C18-unsatd., N,N-bis(hydroxyethyl) (EC No. 700-972-2):

In vitro mutagenicity/genotoxicity: No experimental indications of mutagenicity in-vitro exist.

Carcinogenicity:

Exposure time: 2 years

Species: Mouse

Method: no guideline followed

Result: NOAEL = 30 mg/kg(bw)/day

Literature information: ECHADossier

**STOT-single exposure**

Based on available data, the classification criteria are not met.

**STOT-repeated exposure**

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Based on available data, the classification criteria are not met.

p-phenylenediamine (CAS No. 106-50-3):

Subchronic oral toxicity:

Exposure time: 90d

Species: Rat.

Method: OECD Guideline 408

Result: NOAEL = 16 mg/kg(bw)/day

Literature information: ECHADossier

4-aminophenol (CAS No. 123-30-8):

Subchronic oral toxicity:

Exposure time: 90d

Species: Rat.

Method: OECD Guideline 408

Result: NOEL = 10 mg/kg(bw)/day

Literature information: ECHADossier

3-aminophenol (CAS No. 591-27-5):

Subchronic oral toxicity:

Exposure time: 90d

Species: Rat.

Method: no data

Result: NOEL = 20 mg/kg(bw)/day

Chronic dermal toxicity:

Exposure time: 24 month

Species: Rat.

Method: no data

Result: LOEL = 500 mg/kg

Literature information: ECHA Dossier

1,3-benzenediol, resorcinol (CAS No. 108-46-3):

Subchronic oral toxicity:

Exposure time: 90d

Species: Rat.

Method: OECD Guideline 408

Result: NOAEL = 80 mg/kg(bw)/day

Literature information: ECHADossier

Amides, C18-unsatd., N,N-bis(hydroxyethyl) (EC No. 700-972-2):

Subchronic dermal toxicity:

Exposure time: 90d

Species: Rat.

Method: no guideline followed

Result: NOAEL = 100 mg/kg(bw)/day (systemic); 25 mg/kg(bw)/day (local)

Literature information: ECHA Dossier

**Aspiration hazard**

Based on available data, the classification criteria are not met.

**Specific effects in experiment on an animal**

No data available.

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

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CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
	Amides, C18-unsatd., N,N-bis(hydroxyethyl)					
	Acute fish toxicity	LC50 5,1 mg/l	96 h	Danio rerio	ECHA Dossier	
106-50-3	p-phenylenediamine					
	Acute fish toxicity	LC50 3,9 mg/l	96 h	Oncorhynchus mykiss (OECD 203)	ECHA Dossier	
	Acute algae toxicity	ErC50 mg/l 0,478	72 h	Pseudokirchnerella subcapitata (OECD 201)	ECHA Dossier	
108-46-3	1,3-benzenediol, resorcinol					
	Acute fish toxicity	LC50 mg/l 29,5	96 h	Pimephales promelas	ECHA Dossier	
	Acute algae toxicity	ErC50 >97 mg/l	72 h	Pseudokirchnerella subcapitata	ECHA Dossier	
	Acute crustacea toxicity	EC50 1,0 mg/l	48 h	Daphnia magna	ECHA Dossier	
	Crustacea toxicity	NOEC mg/l 0,172	21 d	Daphnia magna	ECHA Dossier	
	Acute bacteria toxicity	(79 mg/l)	3 h	Activated sludge	ECHA Dossier	
1336-21-6	Ammonia ... %					
	Acute fish toxicity	LC50 mg/l 0,89	96 h	Oncorhynchus mykiss	MSDS external	
	Acute crustacea toxicity	EC50 101 mg/l	48 h	Daphnia magna	MSDS external	
	Crustacea toxicity	NOEC mg/l 0,79	3 d	Daphnia magna	MSDS external	
123-30-8	4-aminophenol					
	Acute fish toxicity	LC50 mg/l 0,82	96 h	Oryzias latipes (OECD 203)	ECHA Dossier	
	Acute algae toxicity	ErC50 mg/l >0,253	72 h	Pseudokirchnerella subcapitata (OECD 201)	ECHA Dossier	
	Acute crustacea toxicity	EC50 mg/l 0,182	48 h	Daphnia magna (OECD 202)	ECHA Dossier	
	Fish toxicity	NOEC mg/l 0,55	41 d	Oryzias latipes (OECD 210)	ECHA Dossier	
	Crustacea toxicity	NOEC mg/l 0,206	21 d	Daphnia magna (OECD 202)	ECHA Dossier	
	Acute bacteria toxicity	(29,9 mg/l)	3 h	Activated sludge (OECD 209)	ECHA Dossier	

**12.2. Persistence and degradability**

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CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
	Amides, C18-unsatd., N,N-bis(hydroxyethyl)			
	OECD 301B/ ISO 9439/ EEC 92/69/V, C.4-C	86%	28	ECHA Dossier
	Readily biodegradable (according to OECD criteria).			
108-46-3	1,3-benzenediol, resorcinol			
	OECD 301C/ ISO 9408/ EEC 92/69/V, C.4-F	66,7%	10	ECHA Dossier
	Readily biodegradable (according to OECD criteria).			
123-30-8	4-aminophenol			
	OECD 301C/ ISO 9408/ EEC 92/69/V, C.4-F	6%	28	ECHA Dossier
	Not readily biodegradable (according to OECD criteria)			

### 12.3. Bioaccumulative potential

#### Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
	Amides, C18-unsatd., N,N-bis(hydroxyethyl)	>6
106-50-3	p-phenylenediamine	-0.839 pH = 8,5
108-46-3	1,3-benzenediol, resorcinol	0,93
1336-21-6	Ammonia ... %	-1,38
123-30-8	4-aminophenol	-0,09

#### BCF

CAS No	Chemical name	BCF	Species	Source
123-30-8	4-aminophenol	10-46	Cyprinus carpio	ECHA Dossier

### 12.4. Mobility in soil

No data available.

### 12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

### 12.6. Other adverse effects

No data available.

#### Further information

Do not allow to enter into surface water or drains.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Advice on disposal

Observe in addition any national regulations! Consult the local waste disposal expert about waste disposal.

Non-contaminated packages may be recycled.

According to EAKV, allocation of waste identity numbers/waste descriptions must be carried out in a specific way for every industry and process.

Control report for waste code/ waste marking according to EAKV:

#### Waste disposal number of waste from residues/unused products

070601 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics; aqueous washing liquids and mother liquors; hazardous waste

#### Waste disposal number of used product

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070601 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics; aqueous washing liquids and mother liquors; hazardous waste

#### Waste disposal number of contaminated packaging

150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by hazardous substances; hazardous waste

#### Contaminated packaging

Handle contaminated packages in the same way as the substance itself.

### SECTION 14: Transport information

#### Land transport (ADR/RID)

14.1. UN number: Not restricted  
14.2. UN proper shipping name: Not restricted  
14.3. Transport hazard class(es): Not restricted  
14.4. Packing group: Not restricted

#### Inland waterways transport (ADN)

14.1. UN number: Not restricted  
14.2. UN proper shipping name: Not restricted  
14.3. Transport hazard class(es): Not restricted  
14.4. Packing group: Not restricted

#### Marine transport (IMDG)

14.1. UN number: Not restricted  
14.2. UN proper shipping name: Not restricted  
14.3. Transport hazard class(es): Not restricted  
14.4. Packing group: Not restricted

#### Air transport (ICAO-TI/IATA-DGR)

14.1. UN number: Not restricted  
14.2. UN proper shipping name: Not restricted  
14.3. Transport hazard class(es): Not restricted  
14.4. Packing group: Not restricted

#### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

#### 14.6. Special precautions for user

Not restricted

#### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not restricted

### SECTION 15: Regulatory information

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

##### EU regulatory information

2010/75/EU (VOC): not determined  
 2004/42/EC (VOC): not determined  
 Information according to 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III)  
 (SEVESO III):

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**Additional information**

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].  
REACH 1907/2006 Appendix XVII, No (mixture): 3

**National regulatory information**

Employment restrictions: Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

Water contaminating class (D): 2 - water contaminating

**15.2. Chemical safety assessment**

Chemical safety assessments for substances in this mixture were not carried out.

**SECTION 16: Other information****Changes**

Rev. 1.00; Initial release: 04.08.2017

**Abbreviations and acronyms**

ADR: Accord européen sur le transport des marchandises dangereuses par Route

CAS Chemical Abstracts Service

DNEL: Derived No Effect Level

IARC: INTERNATIONAL AGENCY FOR RESEARCH ON CANCER

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-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)

LOAEL: Lowest observed adverse effect level

LOAEC: Lowest observed adverse effect concentration

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

NOAEL: No observed adverse effect level

NOAEC: No observed adverse effect level

NTP: National Toxicology Program

N/A: not applicable

OSHA: Occupational Safety and Health Administration

PNEC: predicted no effect concentration

PBT: Persistent bioaccumulative toxic

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail )

SARA: Superfund Amendments and Reauthorization Act

SVHC: substance of very high concern

TRGS Technische Regeln für Gefahrstoffe

TSCA: Toxic Substances Control Act

VOC: Volatile Organic Compounds

VwVwS: Verwaltungsvorschrift wassergefährdender Stoffe

WGK: Wassergefährdungsklasse

**Relevant H and EUH statements (number and full text)**

H301	Toxic if swallowed.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.

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H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H341	Suspected of causing genetic defects.
H370	Causes damage to organs (central nervous system; blood).
H371	May cause damage to organs (respiratory system).
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH208	Contains p-phenylenediamine, 1,3-benzenediol, resorcinol. May produce an allergic reaction.

#### Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*

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

### 1.1. Product identifier

INTENSIVE Cream Developer 6 %

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

#### Use of the substance/mixture

Cosmetics

#### Uses advised against

none

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

Company name:	Biosmetics GmbH	
Street:	Ziegeleiweg 40	
Place:	D Goldberg	
Telephone:	+49 [0] 451   30 800 90	Telefax: +49 [0] 451   20 351 03
Responsible Department:	Dr. Gans-Eichler	e-mail: info@tge-consult.de
	Chemieberatung GmbH	Tel.: +49 (0)251/924520-60
	Raesfeldstr. 22	www.tge-consult.de
	D-48149 Münster	

### 1.4. Emergency telephone number:

Tel.: +49 (0) 170 2450126

#### Further Information

This product is subject to the cosmetic regulation. This sheet was prepared on a voluntary basis.

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Regulation (EC) No. 1272/2008



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Hazard categories:

Serious eye damage/eye irritation: Eye Irrit. 2

Hazard Statements:

Causes serious eye irritation.

**2.2. Label elements****Regulation (EC) No. 1272/2008****Signal word:** Warning**Pictograms:****Hazard statements**

H319 Causes serious eye irritation.

**Precautionary statements**

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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

**Additional advice on labelling**

Labelling according to cosmetic directive.

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#### **2.3. Other hazards**

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

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

#### **3.2. Mixtures**

**Chemical characterization**  
aqueous solution

#### **Hazardous components**

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
7722-84-1	Hydrogen peroxide solution ... %			5 - < 10 %
	231-765-0	008-003-00-9		
	Ox. Liq. 1, Acute Tox. 4, Acute Tox. 4, Skin Corr. 1A, STOT SE 3; H271 H332 H302 H314 H335			

Full text of H and EUH statements: see section 16.

#### **Further Information**

Product does not contain listed SVHC substances > 0,1 % according to Regulation (EC) No. 1907/2006 Article 59 (REACH).

### **SECTION 4: First aid measures**

#### **4.1. Description of first aid measures**

##### **General information**

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

##### **After inhalation**

In case of accident by inhalation: remove casualty to fresh air and keep at rest. In case of respiratory tract irritation, consult a physician.

##### **After contact with skin**

Gently wash with plenty of soap and water. In case of skin irritation, seek medical treatment.

##### **After contact with eyes**

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. In case of troubles or persistent symptoms, consult an ophthalmologist.

##### **After ingestion**

Rinse mouth thoroughly with water. Let water be drunken in little sips ( dilution effect). Do NOT induce vomiting. In all cases of doubt, or when symptoms persist, seek medical advice.

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

No information available.

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

Treat symptomatically.

### **SECTION 5: Firefighting measures**

#### **5.1. Extinguishing media**

##### **Suitable extinguishing media**

Carbon dioxide (CO<sub>2</sub>). Dry extinguishing powder. alcohol resistant foam. Atomized water.

##### **Unsuitable extinguishing media**

High power water jet.

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

Can be released in case of fire: Carbon monoxide, Carbon dioxide (CO<sub>2</sub>). Phosphorus oxides

### **5.3. Advice for firefighters**

In case of fire: Wear self-contained breathing apparatus.

### **Additional information**

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

Co-ordinate fire-fighting measures to the fire surroundings.

## SECTION 6: Accidental release measures

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

See protective measures under point 7 and 8.

### **6.2. Environmental precautions**

Discharge into the environment must be avoided.

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

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

Treat the recovered material as prescribed in the section on waste disposal .

Clean contaminated objects and areas thoroughly observing environmental regulations.

### **6.4. Reference to other sections**

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

## SECTION 7: Handling and storage

### **7.1. Precautions for safe handling**

#### **Advice on safe handling**

Wear suitable protective clothing. See section 8.

#### **Advice on protection against fire and explosion**

Usual measures for fire prevention.

#### **Further information on handling**

Avoid contact with skin, eyes and clothes.

General protection and hygiene measures: refer to chapter 8

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

#### **Requirements for storage rooms and vessels**

Keep container tightly closed in a cool, well-ventilated place.

#### **Advice on storage compatibility**

Do not store together with: Explosives. Oxidizing solids. Oxidizing liquids. Radioactive substances. Infectious substances. Food and animal feedingstuff.

#### **Further information on storage conditions**

Keep the packing dry and well sealed to prevent contamination and absorption of humidity.

Recommended storage temperature: 20°C

Protect against: Light. UV-radiation/sunlight. heat. moisture.

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

refer to chapter 1.

## SECTION 8: Exposure controls/personal protection

### **8.1. Control parameters**

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### Exposure limits (EH40)

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
7722-84-1	Hydrogen peroxide	1	1.4		TWA (8 h)	WEL
		2	2.8		STEL (15 min)	WEL

### 8.2. Exposure controls



#### Appropriate engineering controls

Provide adequate ventilation.



#### Protective and hygiene measures

Always close containers tightly after the removal of product. When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work.

#### Eye/face protection

Eye glasses with side protection DIN EN 166

#### Hand protection

In case of prolonged or frequently repeated skin contact:

Wear suitable gloves.

Suitable material:

FKM (fluororubber). - Thickness of glove material: 0,4 mm

Breakthrough time  $\geq$  8 h

Butyl rubber. - Thickness of glove material: 0,5 mm

Breakthrough time  $\geq$  8 h

CR (polychloroprenes, Chloroprene rubber). - Thickness of glove material: 0,5 mm

Breakthrough time  $\geq$  8 h

NBR (Nitrile rubber). - Thickness of glove material: 0,35 mm

Breakthrough time  $\geq$  8 h

PVC (Polyvinyl chloride). - Thickness of glove material: 0,5 mm

Breakthrough time  $\geq$  8 h

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Before using check leak tightness / impermeability. In the case of wanting to use the gloves again, clean them before taking off and air them well.

#### Skin protection

Suitable protective clothing: Lab apron.

Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500.

#### Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required.

Respiratory protection necessary at:

exceeding exposure limit values

generation/formation of aerosols

Suitable respiratory protection apparatus: Particle filter device (DIN EN 143) - Type P2/3

The filter class must be suitable for the maximum contaminant concentration

(gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used. Observe the wear time limits according GefStoffV in combination with the rules for using respiratory protection apparatus (BGR 190).

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#### Environmental exposure controls

No special precautionary measures are necessary.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Physical state:	liquid
Colour:	not determined
Odour:	characteristic
pH-Value:	<2,8

#### Changes in the physical state

Melting point:	not determined
Initial boiling point and boiling range:	>100 °C
Sublimation point:	not determined
Softening point:	not determined
Pour point:	not determined
Flash point:	not determined
Sustaining combustion:	Not sustaining combustion

#### Explosive properties

none

Lower explosion limits:	not determined
Upper explosion limits:	not determined
Ignition temperature:	not determined

#### Auto-ignition temperature

Gas:

not determined

#### Oxidizing properties

none

Vapour pressure:	not determined
Density:	~1 g/cm <sup>3</sup>
Water solubility:	miscible.

#### Solubility in other solvents

not determined

Partition coefficient:	not determined
Viscosity / dynamic:	not determined
Viscosity / kinematic:	not determined
Flow time:	not determined
Vapour density:	not determined
Evaporation rate:	not determined
Solvent separation test:	not determined
Solvent content:	not determined

#### 9.2. Other information

Solid content:	not determined
----------------	----------------

### SECTION 10: Stability and reactivity

## Safety Data Sheet

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**10.1. Reactivity**

No information available.

**10.2. Chemical stability**

The mixture is chemically stable under recommended conditions of storage, use and temperature.

**10.3. Possibility of hazardous reactions**

No information available.

**10.4. Conditions to avoid**

Protect against: UV-radiation/sunlight. heat.

**10.5. Incompatible materials**

Materials to avoid: Oxidizing agents, strong. Reducing agents, strong.

**10.6. Hazardous decomposition products**Can be released in case of fire: Carbon monoxide, Carbon dioxide (CO<sub>2</sub>). Phosphorus oxides.

## SECTION 11: Toxicological information

**11.1. Information on toxicological effects****Toxicokinetics, metabolism and distribution**

No data available.

**Acute toxicity**

Based on available data, the classification criteria are not met.

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
7722-84-1	Hydrogen peroxide solution ... %				
	oral	LD50 (426-1026) mg/kg	Rat (OECD 401)	ECHA Dossier	
	dermal	LD50 >2000 mg/kg	Rabbit	ECHA Dossier	
	inhalative vapour	ATE 11 mg/l			
	inhalative (4 h) aerosol	LC50 (>0,17 - 50% H <sub>2</sub> O <sub>2</sub> ) mg/l		ECHA Dossier	

**Irritation and corrosivity**

Causes serious eye irritation.

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

**Sensitising effects**

Based on available data, the classification criteria are not met.

**Carcinogenic/mutagenic/toxic effects for reproduction**

Based on available data, the classification criteria are not met.

Hydrogenium peroxide. (CAS No. 7722-84-1):

In-vivo mutagenicity:

Method:

-OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test)

-OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test)

Result: negative.

Literature information: ECHA Dossier

**STOT-single exposure**

Based on available data, the classification criteria are not met.

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**STOT-repeated exposure**

Based on available data, the classification criteria are not met.

Hydrogenium peroxide. (CAS No. 7722-84-1):

Subchronic oral toxicity LOEL = 300 ppm (Mouse.)

Subacute inhalative toxicity NOEL = 2.03 ppm (Rat.)

Literature information: ECHA Dossier

**Aspiration hazard**

Based on available data, the classification criteria are not met.

**Specific effects in experiment on an animal**

No data available.

## SECTION 12: Ecological information

**12.1. Toxicity**

The product has not been tested.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
7722-84-1	Hydrogen peroxide solution ... %					
	Acute fish toxicity	LC50 mg/l	16,4	96 h	Pimephales promelas	ECHA Dossier
	Acute algae toxicity	ErC50 mg/l	1,38	72 h	Skeletonema costatum	ECHA Dossier
	Acute crustacea toxicity	EC50	2,4 mg/l	48 h	Daphnia pulex	ECHA Dossier

**12.2. Persistence and degradability**

The product has not been tested.

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
7722-84-1	Hydrogen peroxide solution ... %			
	OECD 209	>99%	28	ECHA Dossier

**12.3. Bioaccumulative potential**

No indication of bioaccumulation potential.

**12.4. Mobility in soil**

No data available.

**12.5. Results of PBT and vPvB assessment**

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

**12.6. Other adverse effects**

No data available.

**Further information**

Do not allow to enter into surface water or drains.

## SECTION 13: Disposal considerations

**13.1. Waste treatment methods****Advice on disposal**

Observe in addition any national regulations! Consult the local waste disposal expert about waste disposal.

Non-contaminated packages may be recycled.

According to EAKV, allocation of waste identity numbers/waste descriptions must be carried out in a specific way for every industry and process.

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Control report for waste code/ waste marking according to EAKV:

#### Waste disposal number of waste from residues/unused products

070699 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics; wastes not otherwise specified

#### Waste disposal number of used product

070699 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics; wastes not otherwise specified

#### Waste disposal number of contaminated packaging

150106 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); mixed packaging

#### Contaminated packaging

Handle contaminated packages in the same way as the substance itself.

### SECTION 14: Transport information

#### Land transport (ADR/RID)

<u>14.1. UN number:</u>	No dangerous good in sense of this transport regulation.
<u>14.2. UN proper shipping name:</u>	No dangerous good in sense of this transport regulation.
<u>14.3. Transport hazard class(es):</u>	No dangerous good in sense of this transport regulation.
<u>14.4. Packing group:</u>	No dangerous good in sense of this transport regulation.

#### Inland waterways transport (ADN)

<u>14.1. UN number:</u>	No dangerous good in sense of this transport regulation.
<u>14.2. UN proper shipping name:</u>	No dangerous good in sense of this transport regulation.
<u>14.3. Transport hazard class(es):</u>	No dangerous good in sense of this transport regulation.
<u>14.4. Packing group:</u>	No dangerous good in sense of this transport regulation.

#### Marine transport (IMDG)

<u>14.1. UN number:</u>	No dangerous good in sense of this transport regulation.
<u>14.2. UN proper shipping name:</u>	No dangerous good in sense of this transport regulation.
<u>14.3. Transport hazard class(es):</u>	No dangerous good in sense of this transport regulation.
<u>14.4. Packing group:</u>	No dangerous good in sense of this transport regulation.

#### Air transport (ICAO-TI/IATA-DGR)

<u>14.1. UN number:</u>	No dangerous good in sense of this transport regulation.
<u>14.2. UN proper shipping name:</u>	No dangerous good in sense of this transport regulation.
<u>14.3. Transport hazard class(es):</u>	No dangerous good in sense of this transport regulation.
<u>14.4. Packing group:</u>	No dangerous good in sense of this transport regulation.

#### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

#### 14.6. Special precautions for user

refer to chapter 6-8

#### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

not relevant

### SECTION 15: Regulatory information

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

##### EU regulatory information

2010/75/EU (VOC): No information available.



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2004/42/EC (VOC): No information available.  
 Information according to 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III):

#### Additional information

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].  
 REACH 1907/2006 Appendix XVII: 3

#### National regulatory information

Employment restrictions: Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).  
 Water contaminating class (D): 1 - slightly water contaminating

#### 15.2. Chemical safety assessment

For the following substances of this mixture a chemical safety assessment has been carried out:

### SECTION 16: Other information

#### Changes

Rev. 1.0; 14.05.2014, Initial release  
 Rev. 1.1; 04.11.2016, Changes in chapter: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16.

#### Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route  
 CAS Chemical Abstracts Service  
 DNEL: Derived No Effect Level  
 IARC: INTERNATIONAL AGENCY FOR RESEARCH ON CANCER  
 IMDG: International Maritime Code for Dangerous Goods  
 IATA: International Air Transport Association  
 IATA-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)  
 LOAEL: Lowest observed adverse effect level  
 LOAEC: Lowest observed adverse effect concentration  
 LC50: Lethal concentration, 50 percent  
 LD50: Lethal dose, 50 percent  
 NOAEL: No observed adverse effect level  
 NOAEC: No observed adverse effect level  
 NTP: National Toxicology Program  
 N/A: not applicable  
 OSHA: Occupational Safety and Health Administration  
 PNEC: predicted no effect concentration  
 PBT: Persistent bioaccumulative toxic  
 RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail )  
 SARA: Superfund Amendments and Reauthorization Act  
 SVHC: substance of very high concern  
 TRGS Technische Regeln fuerGefahrstoffe  
 TSCA: Toxic Substances Control Act  
 VOC: Volatile Organic Compounds  
 VwVwS: Verwaltungsvorschrift wassergefaehrdender Stoffe  
 WGK: Wassergefaehrdungsklasse

#### Relevant H and EUH statements (number and full text)

H271 May cause fire or explosion; strong oxidiser.  
 H302 Harmful if swallowed.

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## INTENSIVE Augenbrauen- und Wimpernfarbe BRAUN

Revision date: 04.08.2017

Product code: AWB0002

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H314	Causes severe skin burns and eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.

### Further Information

Classification according EC regulation 1272/2008 (CLP): - Classification procedure:

Health hazards: Calculation method.

Environmental hazards: Calculation method.

Physical hazards: On basis of test data and / or calculated and / or estimated.

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*

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

### 1.1. Product identifier

INTENSIVE Augenbrauen- und Wimpernfarbe BRAUN

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

#### Use of the substance/mixture

Cosmetics

Restricted to professional users.

#### Uses advised against

none

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

Company name: Biosmetics GmbH

Street: Ziegeleiweg 40

Place: D Goldberg

Telephone: +49 [0] 451 | 30 800 90

Telefax: +49 [0] 451 | 20 351 03

Responsible Department: Dr. Gans-Eichler

e-mail: info@tge-consult.de

Chemieberatung GmbH

Tel.: +49 (0)251/924520-60

Raesfeldstr. 22

www.tge-consult.de

D-48149 Münster

### 1.4. Emergency telephone number:

Tel.: +49 (0) 170 2450126

### Further Information

This product is subject to the cosmetic regulation. This sheet was prepared on a voluntary basis.

INCI: AQUA, CETEARYL ALCOHOL, GLYCERYL STEARATE SE, OLEAMIDE DEA, P-PHENYLENEDIAMINE, M-AMINOPHENOL, SODIUM CETEARYL SULFATE, HELIANTHUS ANUUS SEED OIL, AMMONIUM HYDROXIDE, RESORCINOL, LANOLIN, PARFUM, SODIUM SULFITE, P-AMINOPHENOL, LIMONENE, BUTYLPHENYL METHYLPROPIONAL (LILAL), LINALOOL, CITRAL, GERANIOL

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Regulation (EC) No. 1272/2008

Hazard categories:

Respiratory or skin sensitisation: Skin Sens. 1

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Hazardous to the aquatic environment: Aquatic Chronic 3

Hazard Statements:

May cause an allergic skin reaction.

Harmful to aquatic life with long lasting effects .

**2.2. Label elements****Regulation (EC) No. 1272/2008****Hazard components for labelling**

p-phenylenediamine

1,3-benzenediol, resorcinol

**Signal word:** Warning**Pictograms:**

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### Hazard statements

H317 May cause an allergic skin reaction.  
H412 Harmful to aquatic life with long lasting effects.

### Precautionary statements

P261 Avoid breathing vapour./Aerosol.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
P362+P364 Take off contaminated clothing and wash it before reuse.  
P501 Dispose of contents/container to in accordance with official regulations.

### Additional advice on labelling

Labelling according to cosmetic directive.

### 2.3. Other hazards

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Chemical characterization

in aqueous solution

#### Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
	Amides, C18-unsatd., N,N-bis(hydroxyethyl)			1 - < 5 %
	700-972-2		01-2119968565-22	
	Skin Irrit. 2, Eye Irrit. 2, Aquatic Chronic 2; H315 H319 H411			
106-50-3	p-phenylenediamine			1 - < 5 %
	203-404-7	612-028-00-6		
	Acute Tox. 3, Acute Tox. 3, Acute Tox. 3, Eye Irrit. 2, Skin Sens. 1, Aquatic Acute 1 (M-Factor = 1), Aquatic Chronic 1; H331 H311 H301 H319 H317 H400 H410			
1336-21-6	Ammonia ... %			< 1 %
	215-647-6	007-001-01-2	01-2119488876-14	
	Skin Corr. 1B, STOT SE 3, Aquatic Acute 1 (M-Factor = 1), Aquatic Chronic 2; H314 H335 H400 H411			
108-46-3	1,3-benzenediol, resorcinol			< 1 %
	203-585-2	604-010-00-1		
	Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1, Skin Sens. 1, STOT SE 1, STOT SE 2, Aquatic Acute 1 (M-Factor = 1); H302 H315 H318 H317 H370 H371 H400			

Full text of H and EUH statements: see section 16.

#### Further Information

Product does not contain listed SVHC substances > 0,1 % according to Regulation (EC) No. 1907/2006 Article 59 (REACH).

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

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### After inhalation

In case of accident by inhalation: remove casualty to fresh air and keep at rest. In case of allergic symptoms, especially in the breathing area, seek medical advice immediately.

### After contact with skin

After contact with skin, wash immediately with plenty of water and soap. If skin irritation or rash occurs: Get medical advice/attention.

### After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water. In case of troubles or persistent symptoms, consult an ophthalmologist.

### After ingestion

Rinse mouth thoroughly with water. Let water be drunken in little sips (dilution effect). Do NOT induce vomiting. Never give anything by mouth to an unconscious person or a person with cramps. In all cases of doubt, or when symptoms persist, seek medical advice.

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

No information available.

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

Carbon dioxide (CO<sub>2</sub>). Dry extinguishing powder. alcohol resistant foam. Atomized water.

#### Unsuitable extinguishing media

High power water jet.

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

Can be released in case of fire: Carbon monoxide Carbon dioxide (CO<sub>2</sub>). Nitrogen oxides (NO<sub>x</sub>). Sulfur oxides.

### 5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

### Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. Co-ordinate fire-fighting measures to the fire surroundings.

## SECTION 6: Accidental release measures

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

Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Wear personal protection equipment (refer to section 8).

### 6.2. Environmental precautions

Prevent spread over a wide area (e.g. by containment or oil barriers). Do not allow to enter into surface water or drains.

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

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal. Clean contaminated objects and areas thoroughly observing environmental regulations.

### 6.4. Reference to other sections

Safe handling: see section 7  
Personal protection equipment: see section 8  
Disposal: see section 13

## SECTION 7: Handling and storage

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### 7.1. Precautions for safe handling

#### Advice on safe handling

Provide adequate ventilation.  
Wear suitable protective clothing. See section 8.

#### Advice on protection against fire and explosion

Usual measures for fire prevention.

#### Further information on handling

Avoid contact with skin, eyes and clothes.  
General protection and hygiene measures: refer to chapter 8

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

#### Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place.

#### Advice on storage compatibility

Do not store together with: Explosives. Oxidizing solids. Oxidizing liquids. Radioactive substances. Infectious substances. Food and animal feedingstuff.

#### Further information on storage conditions

Keep the packing dry and well sealed to prevent contamination and absorption of humidity.  
Protect against: Light. UV-radiation/sunlight. heat. moisture.

### 7.3. Specific end use(s)

refer to chapter 1.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Exposure limits (EH40)

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
7664-41-7	Ammonia, anhydrous	25	18		TWA (8 h)	WEL
		35	25		STEL (15 min)	WEL
108-46-3	Resorcinol	10	46		TWA (8 h)	WEL
		20	92		STEL (15 min)	WEL
106-50-3	p-Phenylenediamine	-	0.1		TWA (8 h)	WEL
		-	-		STEL (15 min)	WEL

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### DNEL/DMEL values

CAS No	Substance	Exposure route	Effect	Value
	Amides, C18-unsatd., N,N-bis(hydroxyethyl)			
Worker DNEL, long-term		inhalation	systemic	73,44 mg/m <sup>3</sup>
Worker DNEL, long-term		dermal	systemic	4,16 mg/kg bw/day
Worker DNEL, long-term		dermal	local	0,0312 mg/cm <sup>2</sup>
Consumer DNEL, long-term		inhalation	systemic	21,73 mg/m <sup>3</sup>
Consumer DNEL, long-term		dermal	systemic	2,5 mg/kg bw/day
Consumer DNEL, long-term		dermal	local	0,01873 mg/cm <sup>2</sup>
Consumer DNEL, long-term		oral	systemic	6,25 mg/kg bw/day
1336-21-6	Ammonia ... %			
Worker DNEL, long-term		dermal	systemic	6,8 mg/kg bw/day
Worker DNEL, acute		dermal	systemic	6,8 mg/kg bw/day
Worker DNEL, long-term		inhalation	systemic	47,6 mg/m <sup>3</sup>
Worker DNEL, long-term		inhalation	local	14 mg/m <sup>3</sup>
Worker DNEL, acute		inhalation	systemic	47,6 mg/m <sup>3</sup>
Worker DNEL, acute		inhalation	local	36 mg/m <sup>3</sup>
Consumer DNEL, acute		dermal	systemic	68 mg/kg bw/day
Consumer DNEL, long-term		dermal	systemic	68 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	23,8 mg/m <sup>3</sup>
Consumer DNEL, long-term		inhalation	local	2,8 mg/m <sup>3</sup>
Consumer DNEL, acute		inhalation	systemic	23,8 mg/m <sup>3</sup>
Consumer DNEL, acute		inhalation	local	7,2 mg/m <sup>3</sup>
Consumer DNEL, long-term		oral	systemic	6,8 mg/kg bw/day
Consumer DNEL, acute		oral	systemic	6,8 mg/kg bw/day

### PNEC values

CAS No	Substance	Environmental compartment	Value
	Amides, C18-unsatd., N,N-bis(hydroxyethyl)		
		Freshwater	0,007 mg/l
		Freshwater (intermittent releases)	0,032 mg/l
		Marine water	0,0007 mg/l
		Freshwater sediment	0,2663 mg/kg
		Marine sediment	0,02663 mg/kg
		Micro-organisms in sewage treatment plants (STP)	830 mg/l
		Soil	0,1262 mg/kg
1336-21-6	Ammonia ... %		
		Freshwater	0,0011 mg/l
		Freshwater (intermittent releases)	0,0068 mg/l
		Marine water	0,0011 mg/l

### 8.2. Exposure controls

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#### Appropriate engineering controls

If handled uncovered, arrangements with local exhaust ventilation should be used if possible.

#### Protective and hygiene measures

Always close containers tightly after the removal of product. When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work. Wash contaminated clothing prior to re-use. Used working clothes should not be worn outside the work area. Street clothing should be stored separately from work clothing.

#### Eye/face protection

Wear safety glasses; chemical goggles (if splashing is possible).

#### Hand protection

Pull-over gloves of rubber.

Suitable material:

CR (polychloroprenes, Chloroprene rubber). (0,5 mm)

NBR (Nitrile rubber). (0,35 mm)

FKM (fluororubber). (0,4 mm)

PVC (Polyvinyl chloride). (0,5 mm)

Butyl rubber. (0,5 mm)

Before using check leak tightness / impermeability. In the case of wanting to use the gloves again, clean them before taking off and air them well.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

#### Skin protection

Suitable protective clothing: Lab apron.

Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500.

#### Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required.

Respiratory protection necessary at:

generation/formation of aerosols

exceeding exposure limit values

Suitable respiratory protective equipment: Combination filtering device (EN 14387)

Type

: A/ P1-3

The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, closed-circuit breathing apparatus must be used!

#### Environmental exposure controls

Avoid release to the environment.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state:	liquid
Colour:	not determined
Odour:	characteristic
pH-Value:	10-11 (50% in aqueous solution)

#### Changes in the physical state

Melting point:	not determined
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Initial boiling point and boiling range:	not determined
Flash point:	not determined
Sustaining combustion:	Not sustaining combustion
<b>Explosive properties</b>	
none	
Lower explosion limits:	not determined
Upper explosion limits:	not determined
Ignition temperature:	not determined
Decomposition temperature:	not determined
<b>Oxidizing properties</b>	
none	
Vapour pressure:	not determined
Density:	not determined
Water solubility:	not determined
<b>Solubility in other solvents</b>	
not determined	
Viscosity / dynamic:	not determined
Viscosity / kinematic:	not determined
Flow time:	not determined
Vapour density:	not determined

#### **9.2. Other information**

Solid content:	not determined
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### **SECTION 10: Stability and reactivity**

#### **10.1. Reactivity**

No information available.

#### **10.2. Chemical stability**

The mixture is chemically stable under recommended conditions of storage, use and temperature.

#### **10.3. Possibility of hazardous reactions**

No information available.

#### **10.4. Conditions to avoid**

Protect against: UV-radiation/sunlight. heat.

#### **10.5. Incompatible materials**

Materials to avoid: Oxidizing agents, strong. Reducing agents, strong.

#### **10.6. Hazardous decomposition products**

Can be released in case of fire: Carbon monoxide Carbon dioxide (CO<sub>2</sub>). Nitrogen oxides (NO<sub>x</sub>). Sulfur oxides.

### **SECTION 11: Toxicological information**

#### **11.1. Information on toxicological effects**

##### **Toxicokinetics, metabolism and distribution**

No data available.

##### **Acute toxicity**

Based on available data, the classification criteria are not met.

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CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
	Amides, C18-unsatd., N,N-bis(hydroxyethyl)				
	oral	LD50 >5000 mg/kg	Rat	ECHA Dossier	
106-50-3	p-phenylenediamine				
	oral	LD50 75 mg/kg	Rat. (OECD 420)	ECHA Dossier	
	dermal	ATE 300 mg/kg			
	inhalative (4 h) vapour	LC50 0,92 mg/l	Rat. (OECD 403)	ECHA Dossier	
	inhalative aerosol	ATE 0,5 mg/l			
1336-21-6	Ammonia ... %				
	oral	LD50 (350) mg/kg	Rat.	GESTIS	
	inhalative (4 h) vapour	LC50 (1,4) mg/l	Rat.	RTECS	
108-46-3	1,3-benzenediol, resorcinol				
	oral	LD50 (510=) mg/kg	Rat	ECHA Dossier	
	dermal	LD50 >2000 mg/kg	Rabbit	ECHA Dossier	
	inhalative (1 h) aerosol	LC50 (7,8) mg/l	Rat	ECHA Dossier	

#### Irritation and corrosivity

Based on available data, the classification criteria are not met.

#### Sensitising effects

May cause an allergic skin reaction. (p-phenylenediamine; 1,3-benzenediol, resorcinol)

#### Carcinogenic/mutagenic/toxic effects for reproduction

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Based on available data, the classification criteria are not met.

p-phenylenediamine (CAS No. 106-50-3):

In vivo mutagenicity/genotoxicity: No experimental indications of in vivo mutagenicity exist.

Developmental toxicity/teratogenicity:

Exposure time: 20d

Species: Rat.

Method: OECD Guideline 414

Result: NOAEL = 10 mg/kg(bw)/day

Literature information: ECHADossier

3-aminophenol (CAS No. 591-27-5):

In vitro mutagenicity/genotoxicity:

Method: OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test)

Result: positive. / negative.

Method: bacterial reversion assay, the WP2 Mutoxitest

Result: negative.

Method: OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)

Result: negative.

Method: OECD Guideline 471 (Bacterial Reverse Mutation Assay)

Result: negative.

Developmental toxicity/teratogenicity:

Exposure time: 20d

Species: Rat.

Method: OECD Guideline 414

Result: NOEL = 100 mg/kg(bw)/day

Literature information: ECHADossier

1,3-benzenediol, resorcinol (CAS No. 108-46-3):

In vitro mutagenicity/genotoxicity: Evidence for in vitro mutagenicity.

In vivo mutagenicity/genotoxicity: No experimental indications of in vivo mutagenicity exist.

Reproductive toxicity:

Exposure time: 18 month

Species: Rat.

Method: OECD Guideline 416

Result: NOAEL = 3000 mg/kg(bw)/day

Developmental toxicity/teratogenicity:

Exposure time: 20d

Species: Rat.

Method: OECD Guideline 414

Result: NOAEL = 250 mg/kg(bw)/day

Literature information: ECHADossier

Amides, C18-unsatd., N,N-bis(hydroxyethyl) (EC No. 700-972-2):

In vitro mutagenicity/genotoxicity: No experimental indications of mutagenicity in-vitro exist.

Carcinogenicity:

Exposure time: 2 years

Species: Mouse

Method: no guideline followed

Result: NOAEL = 30 mg/kg(bw)/day

Literature information: ECHADossier

**STOT-single exposure**

Based on available data, the classification criteria are not met.

**STOT-repeated exposure**

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Based on available data, the classification criteria are not met.

p-phenylenediamine (CAS No. 106-50-3):

Subchronic oral toxicity:

Exposure time: 90d

Species: Rat.

Method: OECD Guideline 408

Result: NOAEL = 16 mg/kg(bw)/day

Literature information: ECHADossier

3-aminophenol (CAS No. 591-27-5):

Subchronic oral toxicity:

Exposure time: 90d

Species: Rat.

Method: no data

Result: NOEL = 20 mg/kg(bw)/day

Chronic dermal toxicity:

Exposure time: 24 month

Species: Rat.

Method: no data

Result: LOEL = 500 mg/kg

Literature information: ECHA Dossier

1,3-benzenediol, resorcinol (CAS No. 108-46-3):

Subchronic oral toxicity:

Exposure time: 90d

Species: Rat.

Method: OECD Guideline 408

Result: NOAEL = 80 mg/kg(bw)/day

Literature information: ECHADossier

Amides, C18-unsatd., N,N-bis(hydroxyethyl) (EC No. 700-972-2):

Subchronic dermal toxicity:

Exposure time: 90d

Species: Rat.

Method: no guideline followed

Result: NOAEL = 100 mg/kg(bw)/day (systemic); 25 mg/kg(bw)/day (local)

Literature information: ECHA Dossier

**Aspiration hazard**

Based on available data, the classification criteria are not met.

**Specific effects in experiment on an animal**

No data available.

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

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CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
	Amides, C18-unsatd., N,N-bis(hydroxyethyl)					
	Acute fish toxicity	LC50 5,1 mg/l	96 h	Danio rerio	ECHA Dossier	
106-50-3	p-phenylenediamine					
	Acute fish toxicity	LC50 3,9 mg/l	96 h	Oncorhynchus mykiss (OECD 203)	ECHA Dossier	
	Acute algae toxicity	ErC50 mg/l 0,478	72 h	Pseudokirchnerella subcapitata (OECD 201)	ECHA Dossier	
1336-21-6	Ammonia ... %					
	Acute fish toxicity	LC50 mg/l 0,89	96 h	Oncorhynchus mykiss	MSDS external	
	Acute crustacea toxicity	EC50 101 mg/l	48 h	Daphnia magna	MSDS external	
	Crustacea toxicity	NOEC mg/l 0,79	3 d	Daphnia magna	MSDS external	
108-46-3	1,3-benzenediol, resorcinol					
	Acute fish toxicity	LC50 mg/l 29,5	96 h	Pimephales promelas	ECHA Dossier	
	Acute algae toxicity	ErC50 >97 mg/l	72 h	Pseudokirchnerella subcapitata	ECHA Dossier	
	Acute crustacea toxicity	EC50 1,0 mg/l	48 h	Daphnia magna	ECHA Dossier	
	Crustacea toxicity	NOEC mg/l 0,172	21 d	Daphnia magna	ECHA Dossier	
	Acute bacteria toxicity	(79 mg/l)	3 h	Activated sludge	ECHA Dossier	

#### 12.2. Persistence and degradability

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
	Amides, C18-unsatd., N,N-bis(hydroxyethyl)			
	OECD 301B/ ISO 9439/ EEC 92/69/V, C.4-C	86%	28	ECHA Dossier
	Readily biodegradable (according to OECD criteria).			
108-46-3	1,3-benzenediol, resorcinol			
	OECD 301C/ ISO 9408/ EEC 92/69/V, C.4-F	66,7%	10	ECHA Dossier
	Readily biodegradable (according to OECD criteria).			

#### 12.3. Bioaccumulative potential

##### Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
	Amides, C18-unsatd., N,N-bis(hydroxyethyl)	>6
106-50-3	p-phenylenediamine	-0.839 pH = 8,5
1336-21-6	Ammonia ... %	-1,38
108-46-3	1,3-benzenediol, resorcinol	0,93

#### 12.4. Mobility in soil

No data available.

#### 12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

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#### 12.6. Other adverse effects

No data available.

#### **Further information**

Do not allow to enter into surface water or drains.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

##### **Advice on disposal**

Observe in addition any national regulations! Consult the local waste disposal expert about waste disposal.

Non-contaminated packages may be recycled.

According to EAKV, allocation of waste identity numbers/waste descriptions must be carried out in a specific way for every industry and process.

Control report for waste code/ waste marking according to EAKV:

##### **Waste disposal number of waste from residues/unused products**

070601 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics; aqueous washing liquids and mother liquors; hazardous waste

##### **Waste disposal number of used product**

070601 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics; aqueous washing liquids and mother liquors; hazardous waste

##### **Waste disposal number of contaminated packaging**

150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by hazardous substances; hazardous waste

##### **Contaminated packaging**

Handle contaminated packages in the same way as the substance itself.

### SECTION 14: Transport information

#### **Land transport (ADR/RID)**

<u>14.1. UN number:</u>	Not restricted
<u>14.2. UN proper shipping name:</u>	Not restricted
<u>14.3. Transport hazard class(es):</u>	Not restricted
<u>14.4. Packing group:</u>	Not restricted

#### **Inland waterways transport (ADN)**

<u>14.1. UN number:</u>	Not restricted
<u>14.2. UN proper shipping name:</u>	Not restricted
<u>14.3. Transport hazard class(es):</u>	Not restricted
<u>14.4. Packing group:</u>	Not restricted

#### **Marine transport (IMDG)**

<u>14.1. UN number:</u>	Not restricted
<u>14.2. UN proper shipping name:</u>	Not restricted
<u>14.3. Transport hazard class(es):</u>	Not restricted
<u>14.4. Packing group:</u>	Not restricted

#### **Air transport (ICAO-TI/IATA-DGR)**

<u>14.1. UN number:</u>	Not restricted
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**14.2. UN proper shipping name:** Not restricted

**14.3. Transport hazard class(es):** Not restricted

**14.4. Packing group:** Not restricted

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: no

**14.6. Special precautions for user**

Not restricted

**14.7. Transport in bulk according to Annex II of Marpol and the IBC Code**

Not restricted

## SECTION 15: Regulatory information

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

**EU regulatory information**

2010/75/EU (VOC): not determined

2004/42/EC (VOC): not determined

Information according to 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III)

**Additional information**

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].  
REACH 1907/2006 Appendix XVII, No (mixture): 3

**National regulatory information**

Employment restrictions: Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

Water contaminating class (D): 2 - water contaminating

### 15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

## SECTION 16: Other information

**Changes**

Rev. 1.00; Initial release: 04.08.2017

**Abbreviations and acronyms**

ADR: Accord européen sur le transport des marchandises dangereuses par Route

CAS Chemical Abstracts Service

DNEL: Derived No Effect Level

IARC: INTERNATIONAL AGENCY FOR RESEARCH ON CANCER

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-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)

LOAEL: Lowest observed adverse effect level

LOAEC: Lowest observed adverse effect concentration

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

NOAEL: No observed adverse effect level

NOAEC: No observed adverse effect level

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NTP: National Toxicology Program

N/A: not applicable

OSHA: Occupational Safety and Health Administration

PNEC: predicted no effect concentration

PBT: Persistent bioaccumulative toxic

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail )

SARA: Superfund Amendments and Reauthorization Act

SVHC: substance of very high concern

TRGS Technische Regeln für Gefahrstoffe

TSCA: Toxic Substances Control Act

VOC: Volatile Organic Compounds

VwVwS: Verwaltungsvorschrift wassergefährdender Stoffe

WGK: Wassergefährdungsklasse

**Relevant H and EUH statements (number and full text)**

H301	Toxic if swallowed.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H335	May cause respiratory irritation.
H370	Causes damage to organs (central nervous system; blood).
H371	May cause damage to organs (respiratory system).
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

**Further Information**

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*

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

INTENSIVE Augenbrauen- und Wimpernfarbe TIEFSCHWARZ

**1.2. Relevant identified uses of the substance or mixture and uses advised against****Use of the substance/mixture**

Cosmetics

Restricted to professional users.

**Uses advised against**

none

**1.3. Details of the supplier of the safety data sheet**

Company name:

Street:



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Place: Biosmetics GmbH  
Ziegeleiweg 40  
D Goldberg

Telephone: +49 [0] 451 | 30 800 90  
Responsible Department: Dr. Gans-Eichler  
Chemieberatung GmbH  
Raesfeldstr. 22  
D-48149 Münster

Telefax: +49 [0] 451 | 20 351 03  
e-mail: info@tge-consult.de  
Tel.: +49 (0)251/924520-60  
www.tge-consult.de

Tel.: +49 (0) 170 2450126

**1.4. Emergency telephone number:****Further Information**

This product is subject to the cosmetic regulation. This sheet was prepared on a voluntary basis.

INCI: AQUA, CETEARYL ALCOHOL, GLYCERYL STEARATE SE, P-PHENYLENEDIAMINE, OLEAMIDE DEA, SODIUM CETEARYL SULFATE, M-AMINOPHENOL, AMMONIUM HYDROXIDE, HELIANTHUS ANNUUS SEED OIL, LANOLIN, PARFUM, SODIUM SULFITE, 2,6-DIAMINOPYRIDINE, LIMONENE, BUTYLPHENYL METHYLPROPIONAL (LILAL), LINALOOL, CITRAL, GERANIOL

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Regulation (EC) No. 1272/2008**

Hazard categories:

Respiratory or skin sensitisation: Skin Sens. 1

Hazardous to the aquatic environment: Aquatic Chronic 3

Hazard Statements:

May cause an allergic skin reaction.

Harmful to aquatic life with long lasting effects .

**2.2. Label elements****Regulation (EC) No. 1272/2008****Hazard components for labelling**

p-phenylenediamine

**Signal word:** Warning**Pictograms:****Hazard statements**

H317

May cause an allergic skin reaction.

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H412 Harmful to aquatic life with long lasting effects.

### Precautionary statements

P261 Avoid breathing vapour./Aerosol.  
 P273 Avoid release to the environment.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection.  
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
 P362+P364 Take off contaminated clothing and wash it before reuse.  
 P501 Dispose of contents/container to in accordance with official regulations.

### Additional advice on labelling

Labelling according to cosmetic directive.

### 2.3. Other hazards

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Chemical characterization

in aqueous solution

#### Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
106-50-3	p-phenylenediamine			1 - < 5 %
	203-404-7	612-028-00-6		
	Acute Tox. 3, Acute Tox. 3, Acute Tox. 3, Eye Irrit. 2, Skin Sens. 1, Aquatic Acute 1 (M-Factor = 1), Aquatic Chronic 1; H331 H311 H301 H319 H317 H400 H410			
	Amides, C18-unsatd., N,N-bis(hydroxyethyl)			1 - < 5 %
	700-972-2		01-2119968565-22	
	Skin Irrit. 2, Eye Irrit. 2, Aquatic Chronic 2; H315 H319 H411			
1336-21-6	Ammonia ... %			< 1 %
	215-647-6	007-001-01-2	01-2119488876-14	
	Skin Corr. 1B, STOT SE 3, Aquatic Acute 1 (M-Factor = 1), Aquatic Chronic 2; H314 H335 H400 H411			
141-86-6	2,6-Diaminopyridine			< 1 %
	205-507-2			
	Acute Tox. 3; H301			

Full text of H and EUH statements: see section 16.

#### Further Information

Product does not contain listed SVHC substances > 0,1 % according to Regulation (EC) No. 1907/2006 Article 59 (REACH).

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

#### After inhalation

In case of accident by inhalation: remove casualty to fresh air and keep at rest. In case of allergic symptoms,

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especially in the breathing area, seek medical advice immediately.

### After contact with skin

After contact with skin, wash immediately with plenty of water and soap. If skin irritation or rash occurs: Get medical advice/attention.

### After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water. In case of troubles or persistent symptoms, consult an ophthalmologist.

### After ingestion

Rinse mouth thoroughly with water. Let water be drunken in little sips (dilution effect). Do NOT induce vomiting. Never give anything by mouth to an unconscious person or a person with cramps. In all cases of doubt, or when symptoms persist, seek medical advice.

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

No information available.

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

Carbon dioxide (CO<sub>2</sub>). Dry extinguishing powder. alcohol resistant foam. Atomized water.

#### Unsuitable extinguishing media

High power water jet.

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

Can be released in case of fire: Carbon monoxide Carbon dioxide (CO<sub>2</sub>). Nitrogen oxides (NO<sub>x</sub>). Sulfur oxides.

### 5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

### Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

Co-ordinate fire-fighting measures to the fire surroundings.

## SECTION 6: Accidental release measures

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

Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Wear personal protection equipment (refer to section 8).

### 6.2. Environmental precautions

Prevent spread over a wide area (e.g. by containment or oil barriers). Do not allow to enter into surface water or drains.

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

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

Treat the recovered material as prescribed in the section on waste disposal .

Clean contaminated objects and areas thoroughly observing environmental regulations.

### 6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

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**Advice on safe handling**

Provide adequate ventilation.  
Wear suitable protective clothing. See section 8.

**Advice on protection against fire and explosion**

Usual measures for fire prevention.

**Further information on handling**

Avoid contact with skin, eyes and clothes.  
Do not breathe gas/vapour/aerosol.  
General protection and hygiene measures: refer to chapter 8

**7.2. Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

Keep container tightly closed in a cool, well-ventilated place.

**Advice on storage compatibility**

Do not store together with: Explosives. Oxidizing solids. Oxidizing liquids. Radioactive substances. Infectious substances. Food and animal feedingstuff.

**Further information on storage conditions**

Keep the packing dry and well sealed to prevent contamination and absorption of humidity.  
Protect against: Light. UV-radiation/sunlight. heat. moisture.

**7.3. Specific end use(s)**

refer to chapter 1.

## SECTION 8: Exposure controls/personal protection

**8.1. Control parameters****Exposure limits (EH40)**

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
7664-41-7	Ammonia, anhydrous	25	18		TWA (8 h)	WEL
		35	25		STEL (15 min)	WEL
106-50-3	p-Phenylenediamine	-	0.1		TWA (8 h)	WEL
		-	-		STEL (15 min)	WEL

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**DNEL/DMEL values**

CAS No	Substance	Exposure route	Effect	Value
	Amides, C18-unsatd., N,N-bis(hydroxyethyl)			
	Worker DNEL, long-term	inhalation	systemic	73,44 mg/m <sup>3</sup>
	Worker DNEL, long-term	dermal	systemic	4,16 mg/kg bw/day
	Worker DNEL, long-term	dermal	local	0,0312 mg/cm <sup>2</sup>
	Consumer DNEL, long-term	inhalation	systemic	21,73 mg/m <sup>3</sup>
	Consumer DNEL, long-term	dermal	systemic	2,5 mg/kg bw/day
	Consumer DNEL, long-term	dermal	local	0,01873 mg/cm <sup>2</sup>
	Consumer DNEL, long-term	oral	systemic	6,25 mg/kg bw/day
1336-21-6	Ammonia ... %			
	Worker DNEL, long-term	dermal	systemic	6,8 mg/kg bw/day
	Worker DNEL, acute	dermal	systemic	6,8 mg/kg bw/day
	Worker DNEL, long-term	inhalation	systemic	47,6 mg/m <sup>3</sup>
	Worker DNEL, long-term	inhalation	local	14 mg/m <sup>3</sup>
	Worker DNEL, acute	inhalation	systemic	47,6 mg/m <sup>3</sup>
	Worker DNEL, acute	inhalation	local	36 mg/m <sup>3</sup>
	Consumer DNEL, acute	dermal	systemic	68 mg/kg bw/day
	Consumer DNEL, long-term	dermal	systemic	68 mg/kg bw/day
	Consumer DNEL, long-term	inhalation	systemic	23,8 mg/m <sup>3</sup>
	Consumer DNEL, long-term	inhalation	local	2,8 mg/m <sup>3</sup>
	Consumer DNEL, acute	inhalation	systemic	23,8 mg/m <sup>3</sup>
	Consumer DNEL, acute	inhalation	local	7,2 mg/m <sup>3</sup>
	Consumer DNEL, long-term	oral	systemic	6,8 mg/kg bw/day
	Consumer DNEL, acute	oral	systemic	6,8 mg/kg bw/day

**PNEC values**

CAS No	Substance	Value
	Environmental compartment	
	Amides, C18-unsatd., N,N-bis(hydroxyethyl)	
	Freshwater	0,007 mg/l
	Freshwater (intermittent releases)	0,032 mg/l
	Marine water	0,0007 mg/l
	Freshwater sediment	0,2663 mg/kg
	Marine sediment	0,02663 mg/kg
	Micro-organisms in sewage treatment plants (STP)	830 mg/l
	Soil	0,1262 mg/kg
1336-21-6	Ammonia ... %	
	Freshwater	0,0011 mg/l
	Freshwater (intermittent releases)	0,0068 mg/l
	Marine water	0,0011 mg/l

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#### 8.2. Exposure controls



##### Appropriate engineering controls

If handled uncovered, arrangements with local exhaust ventilation should be used if possible.

##### Protective and hygiene measures

Always close containers tightly after the removal of product. When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work. Wash contaminated clothing prior to re-use. Used working clothes should not be worn outside the work area. Street clothing should be stored separately from work clothing.

##### Eye/face protection

Wear safety glasses; chemical goggles (if splashing is possible).

##### Hand protection

Pull-over gloves of rubber.

Suitable material:

CR (polychloroprenes, Chloroprene rubber). (0,5 mm)

NBR (Nitrile rubber). (0,35 mm)

FKM (fluororubber). (0,4 mm)

PVC (Polyvinyl chloride). (0,5 mm)

Butyl rubber. (0,5 mm)

Before using check leak tightness / impermeability. In the case of wanting to use the gloves again, clean them before taking off and air them well.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

##### Skin protection

Suitable protective clothing: Lab apron.

Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500.

##### Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required.

Respiratory protection necessary at:

generation/formation of aerosols

exceeding exposure limit values

Suitable respiratory protective equipment: Combination filtering device (EN 14387) Type

:A/P1-3

The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, closed-circuit breathing apparatus must be used!

##### Environmental exposure controls

Avoid release to the environment.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state:	liquid
Colour:	not determined
Odour:	characteristic

pH-Value: Test method  
not determined

#### Changes in the physical state

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Melting point:	not determined
Initial boiling point and boiling range:	not determined
Flash point:	not determined

**Explosive properties**

none

Lower explosion limits:	not determined
Upper explosion limits:	not determined
Ignition temperature:	not determined
Decomposition temperature:	not determined

**Oxidizing properties**

none

Vapour pressure:	not determined
Density:	not determined
Water solubility:	not determined

**Solubility in other solvents**

not determined

Viscosity / dynamic:	not determined
Viscosity / kinematic:	not determined
Flow time:	not determined
Vapour density:	not determined

**9.2. Other information**

Solid content:	not determined
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## SECTION 10: Stability and reactivity

**10.1. Reactivity**

No information available.

**10.2. Chemical stability**

The mixture is chemically stable under recommended conditions of storage, use and temperature.

**10.3. Possibility of hazardous reactions**

No information available.

**10.4. Conditions to avoid**

Protect against: UV-radiation/sunlight. heat.

**10.5. Incompatible materials**

Materials to avoid: Oxidizing agents, strong. Reducing agents, strong.

**10.6. Hazardous decomposition products**Can be released in case of fire: Carbon monoxide Carbon dioxide (CO<sub>2</sub>). Nitrogen oxides (NO<sub>x</sub>). Sulfur oxides.

## SECTION 11: Toxicological information

**11.1. Information on toxicological effects****Toxicokinetics, metabolism and distribution**

No data available.

**Acute toxicity**

Based on available data, the classification criteria are not met.

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CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
106-50-3	p-phenylenediamine				
	oral	LD50 75 mg/kg	Rat. (OECD 420)	ECHA Dossier	
	dermal	ATE 300 mg/kg			
	inhalative (4 h) vapour	LC50 0,92 mg/l	Rat. (OECD 403)	ECHA Dossier	
	inhalative aerosol	ATE 0,5 mg/l			
	Amides, C18-unsatd., N,N-bis(hydroxyethyl)				
	oral	LD50 >5000 mg/kg	Rat	ECHA Dossier	
1336-21-6	Ammonia ... %				
	oral	LD50 (350) mg/kg	Rat.	GESTIS	
	inhalative (4 h) vapour	LC50 (1,4) mg/l	Rat.	RTECS	
141-86-6	2,6-Diaminopyridine				
	oral	LD50 100 mg/kg	Rat.	RTECS	

#### Irritation and corrosivity

Based on available data, the classification criteria are not met.

#### Sensitising effects

May cause an allergic skin reaction. (p-phenylenediamine)

#### Carcinogenic/mutagenic/toxic effects for reproduction



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Based on available data, the classification criteria are not met.

p-phenylenediamine (CAS No. 106-50-3):

In vivo mutagenicity/genotoxicity: No experimental indications of in vivo mutagenicity exist.

Developmental toxicity/teratogenicity:

Exposure time: 20d

Species: Rat.

Method: OECD Guideline 414

Result: NOAEL = 10 mg/kg(bw)/day

Literature information: ECHADossier

3-aminophenol (CAS No. 591-27-5):

In vitro mutagenicity/genotoxicity:

Method: OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test)

Result: positive. / negative.

Method: bacterial reversion assay, the WP2 Mutoxitest

Result: negative.

Method: OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)

Result: negative.

Method: OECD Guideline 471 (Bacterial Reverse Mutation Assay)

Result: negative.

Developmental toxicity/teratogenicity:

Exposure time: 20d

Species: Rat.

Method: OECD Guideline 414

Result: NOEL = 100 mg/kg(bw)/day

Literature information: ECHADossier

Amides, C18-unsatd., N,N-bis(hydroxyethyl) (EC No. 700-972-2):

In vitro mutagenicity/genotoxicity: No experimental indications of mutagenicity in-vitro exist.

Carcinogenicity:

Exposure time: 2 years

Species: Mouse

Method: no guideline followed

Result: NOAEL = 30 mg/kg(bw)/day

Literature information: ECHADossier

**STOT-single exposure**

Based on available data, the classification criteria are not met.

**STOT-repeated exposure**

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Based on available data, the classification criteria are not met.

p-phenylenediamine (CAS No. 106-50-3):

Subchronic oral toxicity:

Exposure time: 90d

Species: Rat.

Method: OECD Guideline 408

Result: NOAEL = 16 mg/kg(bw)/day

Literature information: ECHADossier

3-aminophenol (CAS No. 591-27-5):

Subchronic oral toxicity:

Exposure time: 90d

Species: Rat.

Method: no data

Result: NOEL = 20 mg/kg(bw)/day

Chronic dermal toxicity:

Exposure time: 24 month

Species: Rat.

Method: no data

Result: LOEL = 500 mg/kg

Literature information: ECHA Dossier

Amides, C18-unsatd., N,N-bis(hydroxyethyl) (EC No. 700-972-2):

Subchronic dermal toxicity:

Exposure time: 90d

Species: Rat.

Method: no guideline followed

Result: NOAEL = 100 mg/kg(bw)/day (systemic); 25 mg/kg(bw)/day (local)

Literature information: ECHA Dossier

**Aspiration hazard**

Based on available data, the classification criteria are not met.

**Specific effects in experiment on an animal**

No data available.

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

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
106-50-3	p-phenylenediamine					
	Acute fish toxicity	LC50 3,9 mg/l	96 h	Oncorhynchus mykiss (OECD 203)	ECHA Dossier	
	Acute algae toxicity	ErC50 mg/l 0,478	72 h	Pseudokirchnerella subcapitata (OECD 201)	ECHA Dossier	
	Amides, C18-unsatd., N,N-bis(hydroxyethyl)					
	Acute fish toxicity	LC50 5,1 mg/l	96 h	Danio rerio	ECHA Dossier	
1336-21-6	Ammonia ... %					
	Acute fish toxicity	LC50 mg/l 0,89	96 h	Oncorhynchus mykiss	MSDS external	
	Acute crustacea toxicity	EC50 101 mg/l	48 h	Daphnia magna	MSDS external	
	Crustacea toxicity	NOEC mg/l 0,79	3 d	Daphnia magna	MSDS external	

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### 12.2. Persistence and degradability

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
	Amides, C18-unsatd., N,N-bis(hydroxyethyl)			
	OECD 301B/ ISO 9439/ EEC 92/69/V, C.4-C	86%	28	ECHA Dossier
	Readily biodegradable (according to OECD criteria).			

### 12.3. Bioaccumulative potential

#### Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
106-50-3	p-phenylenediamine	-0.839 pH = 8,5
	Amides, C18-unsatd., N,N-bis(hydroxyethyl)	>6
1336-21-6	Ammonia ... %	-1,38
141-86-6	2,6-Diaminopyridine	0,25

### 12.4. Mobility in soil

No data available.

### 12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

### 12.6. Other adverse effects

No data available.

### Further information

Do not allow to enter into surface water or drains.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Advice on disposal

Observe in addition any national regulations! Consult the local waste disposal expert about waste disposal.

Non-contaminated packages may be recycled.

According to EAKV, allocation of waste identity numbers/waste descriptions must be carried out in a specific way for every industry and process.

Control report for waste code/ waste marking according to EAKV:

#### Waste disposal number of waste from residues/unused products

070601 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics; aqueous washing liquids and mother liquors; hazardous waste

#### Waste disposal number of used product

070601 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics; aqueous washing liquids and mother liquors; hazardous waste

#### Waste disposal number of contaminated packaging

150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by hazardous substances; hazardous waste

#### Contaminated packaging

Handle contaminated packages in the same way as the substance itself.

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#### SECTION 14: Transport information

##### Land transport (ADR/RID)

<u>14.1. UN number:</u>	Not restricted
<u>14.2. UN proper shipping name:</u>	Not restricted
<u>14.3. Transport hazard class(es):</u>	Not restricted
<u>14.4. Packing group:</u>	Not restricted

##### Inland waterways transport (ADN)

<u>14.1. UN number:</u>	Not restricted
<u>14.2. UN proper shipping name:</u>	Not restricted
<u>14.3. Transport hazard class(es):</u>	Not restricted
<u>14.4. Packing group:</u>	Not restricted

##### Marine transport (IMDG)

<u>14.1. UN number:</u>	Not restricted
<u>14.2. UN proper shipping name:</u>	Not restricted
<u>14.3. Transport hazard class(es):</u>	Not restricted
<u>14.4. Packing group:</u>	Not restricted

##### Air transport (ICAO-TI/IATA-DGR)

<u>14.1. UN number:</u>	Not restricted
<u>14.2. UN proper shipping name:</u>	Not restricted
<u>14.3. Transport hazard class(es):</u>	Not restricted
<u>14.4. Packing group:</u>	Not restricted

##### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

##### 14.6. Special precautions for user

Not restricted

##### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not restricted

#### SECTION 15: Regulatory information

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

###### EU regulatory information

2010/75/EU (VOC):	not determined
2004/42/EC (VOC):	not determined
Information according to 2012/18/EU (SEVESO III):	Not subject to 2012/18/EU (SEVESO III)

###### Additional information

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].  
REACH 1907/2006 Appendix XVII, No (mixture): 3

###### National regulatory information

Employment restrictions: Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).  
Water contaminating class (D): 2 - water contaminating

##### 15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

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### SECTION 16: Other information

#### Changes

Rev. 1.00; Initial release: 04.08.2017

#### Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route

CAS Chemical Abstracts Service

DNEL: Derived No Effect Level

IARC: INTERNATIONAL AGENCY FOR RESEARCH ON CANCER

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-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)

LOAEL: Lowest observed adverse effect level

LOAEC: Lowest observed adverse effect concentration

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

NOAEL: No observed adverse effect level

NOAEC: No observed adverse effect level

NTP: National Toxicology Program

N/A: not applicable

OSHA: Occupational Safety and Health Administration

PNEC: predicted no effect concentration

PBT: Persistent bioaccumulative toxic

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail )

SARA: Superfund Amendments and Reauthorization Act

SVHC: substance of very high concern

TRGS Technische Regeln für Gefahrstoffe

TSCA: Toxic Substances Control Act

VOC: Volatile Organic Compounds

VwVwS: Verwaltungsvorschrift wassergefährdender Stoffe

WGK: Wassergefährdungsklasse

#### Relevant H and EUH statements (number and full text)

H301	Toxic if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

#### Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product

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named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*