



## Safety Data Sheet according to (EC) No 1907/2006

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Essensity Color 5-0

SDS No. : 478476

V001.0

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

#### 1.1. Product identifier

Essensity Color 5-0

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

Intended use:

Hair Color/Toner, oxidative dyes

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

Henkel AG & Co. KGaA

Düsseldorf Germany

Henkelstr. 67

40191 Düsseldorf

Phone: +49 211-797-0

#### E-mail address of person responsible for Safety Data Sheet:

Henkel Cosmetics, e-mail : Mustafa.Akram@henkel.com

#### 1.4. Emergency telephone number

The Henkel information service also provides an around-the-clock telephone service on phone no.+49-(0)211-797-3350 for exceptional cases.

Further information is available at Poison Control Centers.

### SECTION 2: Hazards identification

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

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

Skin irritation Category 2

Causes skin irritation.

Serious eye damage Category 1

Causes serious eye damage.

Skin sensitizer Category 1

May cause an allergic skin reaction.

#### 2.2. Label elements (CLP)

##### Hazard pictogram:



<b>Signal word:</b>	Danger
<b>Hazard statement:</b>	H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage.
<b>Precautionary statement: Prevention</b>	P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P280 Wear eye protection/face protection. P280 Wear protective gloves.
<b>Precautionary statement: Response</b>	P305+P351+P338+P315 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention. P333+P313 If skin irritation or rash occurs: Get medical advice/attention. P362+P364 Take off contaminated clothing and wash it before reuse.

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

#### 3.2. Mixtures

**Hazardous substances according to CLP (EC) No 1272/2008:**

Hazardous substances CAS-No.	EINECS	REACH-Reg No.	Content	Classification
2-aminoethanol 141-43-5	205-483-3	01-2119486455-28	>= 2,5- < 5 %	H302 Acute toxicity 4; Oral H312 Acute toxicity 4; Dermal H314 Skin corrosion 1B H332 Acute toxicity 4; Inhalation H412 Chronic hazards to the aquatic environment 3
Sulfuric acid, mono-C16-18-alkyl esters, sodium salts 68955-20-4	273-258-7	01-2119956652-31	>= 1- < 2,5 %	H315 Skin irritation 2; Dermal H318 Serious eye damage 1 H335 Specific target organ toxicity - single exposure 3; Inhalation H412 Chronic hazards to the aquatic environment 3
2-methyl-p-phenylenediamine sulphate 615-50-9	210-431-8		>= 1- < 2,5 %	H301 Acute toxicity 3; Oral H332 Acute toxicity 4; Inhalation H312 Acute toxicity 4; Dermal H317 Skin sensitizer 1 H411 Chronic hazards to the aquatic environment 2
Resorcinol 108-46-3	203-585-2		>= 0,25- < 1 %	H400 Acute hazards to the aquatic environment 1 H302 Acute toxicity 4; Oral H315 Skin irritation 2 H317 Skin sensitizer 1 H318 Serious eye damage 1 H370 Specific target organ toxicity - single exposure 1
Aminophenol, 3- 591-27-5	209-711-2		>= 0,1- < 0,25 %	H332 Acute toxicity 4; Inhalation H302 Acute toxicity 4; Oral H411 Chronic hazards to the aquatic environment 2

For full text of the H - Phrases indicated by codes only see Section 16 "Other information".

**SECTION 4: First aid measures****4.1. Description of first aid measures**

General information:

In case of adverse health effects seek medical advice.

Remove casualty immediately from danger zone. Take off immediately all contaminated clothing.

Inhalation:

Move to fresh air, consult doctor if complaint persists.

Skin contact:

Rinse with running water and soap. Apply replenishing cream. Change all contaminated clothing.

Eye contact:

Rinse immediately with plenty of running water (for 10 minutes), seek medical attention from a specialist.

Ingestion:

Rinse mouth and throat. Drink 1-2 glasses of water. Seek medical advice.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media:

All common extinguishing agents are suitable.

Extinguishing media which must not be used for safety reasons:

None known

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

The release of following substances is possible in case of fire:

carbon oxides.

nitrogen oxides

Hydrogen chloride.

Sulphur oxides

### 5.3. Advice for firefighters

Wear self-contained breathing apparatus.

Wear protective equipment.

#### Additional information:

Dispose of combustion residues and contaminated fire-fighting water in accordance with statutory regulations.

Collect contaminated fire fighting water separately. It must not enter drains.

## SECTION 6: Accidental release measures

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

Wear protective equipment.

### 6.2. Environmental precautions

Do not empty into drains / surface water / ground water.

Inform authorities in the event of product spillage to water courses or sewage systems.

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

Remove with liquid-absorbing material (chemical binder)

Dilute small quantities with large amount of water and rinse.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Handling advice:

Avoid skin and eye contact.

Fire and explosion protection information:

No special measures required if used properly.

Hygiene measures:

Do not eat, drink or smoke while working.

Immediately remove soiled or soaked clothing.

Wash hands before work breaks and after finishing work.

Keep away from food, beverages and animal feed.

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

Store in sealed original container protected against moisture.

Store far from foodstuffs.

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

Hair Color/Toner, oxidative dyes

**SECTION 8: Exposure controls/personal protection**

Only relevant for professional/industrial use

**8.1. Control parameters**Valid for  
Germany

Ingredient [Regulated substance]	ppm	mg/m <sup>3</sup>	Value type	Short term exposure limit category / Remarks	Remarks
2-AMINOETHANOL 141-43-5	3	7,6	Short Term Exposure Limit (STEL):	Indicative	ECTLV
2-AMINOETHANOL 141-43-5	1	2,5	Time Weighted Average (TWA):	Indicative	ECTLV
2-Aminoethanol 141-43-5	2	5,1	Exposure limit(s):	2 If the AGW and BGW values are complied with, there should be no risk of reproductive damage (see Number 2.7).	TRGS 900
2-Aminoethanol 141-43-5			Skin designation:	Can be absorbed through the skin.	TRGS 900
2-Aminoethanol 141-43-5			Short Term Exposure Classification:	Category I: substances for which the localized effect has an assigned OEL or for substances with a sensitizing effect in respiratory passages.	TRGS 900
RESORCINOL 108-46-3	10	45	Time Weighted Average (TWA):	Indicative	ECTLV
Resorcinol 108-46-3	4	20	Exposure limit(s):	1 If the AGW and BGW values are complied with, there should be no risk of reproductive damage (see Number 2.7).	TRGS 900
Resorcinol 108-46-3			Short Term Exposure Classification:	Category I: substances for which the localized effect has an assigned OEL or for substances with a sensitizing effect in respiratory passages.	TRGS 900
Resorcinol 108-46-3			Skin designation:	Can be absorbed through the skin.	TRGS 900

**8.2. Exposure controls**Engineering controls:  
Ensure good ventilation/suction at the workplace.Respiratory protection:  
Not needed.

**Hand protection:**

For the contact with product protective gloves made from Spezial-Nitril (material thickness > 0.1 mm, break through time > 480 min class 6) are recommended according to EN 374. In the case of longer and repeated contact please note that in practice the penetration times may be considerably shorter than those determined according to EN 374. The protective gloves must always be checked for their suitability for use at the specific workplace (e.g. mechanical and thermal stress, antistatic effects, etc.). The gloves must be replaced immediately at the first signs of wear and tear. We recommend to change single-use protective gloves periodical and a hand care plan in cooperation with a glove manufacturer and the trade association in accordance with the local operating conditions.

Manufacturer e.g. German company KCL, type Dermatril.

**Eye protection:**

Protective goggles

**Skin protection:**

Suitable protective clothing

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

The following data apply to the whole mixture:

Appearance	emulsion high viscosity beige
Odor	neutral
pH (20 °C (68 °F))	10,00 - 11,00
Initial boiling point	Not applicable
Flash point	Not applicable
Decomposition temperature	Not applicable
Vapour pressure	Not applicable
Density (20 °C (68 °F))	0,970 - 1,030 g/cm <sup>3</sup>
Bulk density	Not applicable
Viscosity (Haake; Instrument: Haake VT 550; 20 °C (68 °F); speed of rotation: 8 min <sup>-1</sup> ; Rotary measuring system: MV II)	5.000 - 15.000 mPa.s
Viscosity (kinematic)	Not applicable
Explosive properties	Not applicable
Solubility (qualitative) (20 °C (68 °F); Solvent: Water)	Miscible
Solidification temperature	Not applicable
Melting point	Not applicable
Flammability	Not applicable
Auto-ignition temperature	Not applicable
Explosive limits	Not applicable
Partition coefficient: n-octanol/water	Not applicable
Evaporation rate	Not applicable
Vapor density	Not applicable
Oxidising properties	Not applicable
Container pressure	Not applicable

**SECTION 10: Stability and reactivity****10.1. Reactivity**

None if used for intended purpose.

**10.2. Chemical stability**

None known.

**10.3. Possibility of hazardous reactions**

See section reactivity

None known.

**10.4. Conditions to avoid**

None known.

**10.5. Incompatible materials**

None known.

**10.6. Hazardous decomposition products**

None known.

**SECTION 11: Toxicological information****Acute oral toxicity:**

Hazardous substances CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
2-aminoethanol 141-43-5	LD50	1.515 mg/kg	oral		rat	OECD Guideline 401 (Acute Oral Toxicity) EU Method B.1 (Acute Toxicity (Oral)) Expert judgement
Sulfuric acid, mono-C16-18-alkyl esters, sodium salts 68955-20-4	LD50 Acute toxicity estimate (ATE)	> 2.000 mg/kg > 2.500 mg/kg	oral oral		rat	
2-methyl-p-phenylenediamine sulphate 615-50-9	LD50	98 mg/kg	oral		rat	
Aminophenol, 3- 591-27-5	LD50	1.000 mg/kg	oral		rat	

**Acute dermal toxicity:**

Hazardous substances CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
2-aminoethanol 141-43-5	LD50	1.025 mg/kg	dermal		rabbit	

**Acute inhalative toxicity:**

Hazardous substances CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
2-aminoethanol 141-43-5	Acute toxicity estimate (ATE) LC50	1,5 mg/l 1 - 5 mg/l	inhalation inhalation	4 h	rat	Expert judgement

**Skin corrosion/irritation:**

Hazardous substances CAS-No.	Result	Exposure time	Species	Method
2-aminoethanol 141-43-5	corrosive	4 h	rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)
Sulfuric acid, mono-C16-18-alkyl esters, sodium salts 68955-20-4	irritating	4 h	rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

**Serious eye damage/irritation:**

Hazardous substances CAS-No.	Result	Exposure time	Species	Method
2-aminoethanol 141-43-5	corrosive		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)
Sulfuric acid, mono-C16- 18-alkyl esters, sodium salts 68955-20-4	Category 1 (irreversible effects on the eye)		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)

**Respiratory or skin sensitization:**

Hazardous substances CAS-No.	Result	Test type	Species	Method
Sulfuric acid, mono-C16- 18-alkyl esters, sodium salts 68955-20-4	not sensitising	Guinea pig maximisation test	guinea pig	Magnusson and Kligman Method
Resorcinol 108-46-3	sensitising	Mouse local lymphnode assay (LLNA)	mouse	

**Germ cell mutagenicity:**

Hazardous substances CAS-No.	Result	Type of study / Route of administration	Metabolic activation / Exposure time	Species	Method
2-aminoethanol 141-43-5	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		Ames Test
Sulfuric acid, mono-C16- 18-alkyl esters, sodium salts 68955-20-4	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		OECD Guideline 471 (Bacterial Reverse Mutation Assay)

**Repeated dose toxicity**

Hazardous substances CAS-No.	Result/Value	Route of application	Exposure time / Frequency of treatment	Species	Method
2-aminoethanol 141-43-5					
Sulfuric acid, mono-C16- 18-alkyl esters, sodium salts 68955-20-4	100 mg/kg 300 mg/kg	oral: gavage	90 days 5 days / week	rat	OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)
2-methyl-p- phenylenediamine sulphate 615-50-9					
Aminophenol, 3- 591-27-5					



**Reproductive toxicity:**

Hazardous substances CAS-No.	Result / Classification	Species	Exposure time	Species	Method
Resorcinol 108-46-3	NOAEL P 3.000 mg/l	two- generation study oral: drinking water		rat	OECD Guideline 416 (Two- Generation Reproduction Toxicity Study)

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

The ecological evaluation of the product is based on data from the raw material and/or comparable substances.

**Toxicity (Fish):**

Hazardous substances CAS-No.	Value type	Value	Acute Toxicity Study	Exposure time	Species	Method
2-aminoethanol 141-43-5	LC50	> 250 mg/l	Fish	48 h	Leuciscus idus	DIN 38412-15
Sulfuric acid, mono-C16-18- alkyl esters, sodium salts 68955-20-4	LC50	5,2 mg/l	Fish	96 h	Brachydanio rerio (new name: Danio rerio)	OECD Guideline 203 (Fish, Acute Toxicity Test)
2-methyl-p-phenylenediamine sulphate 615-50-9	LC50	12 mg/l	Fish			OECD Guideline 203 (Fish, Acute Toxicity Test)
Resorcinol 108-46-3	LC50	34,7 mg/l	Fish	96 h	Leuciscus idus	OECD Guideline 203 (Fish, Acute Toxicity Test)
Aminophenol, 3- 591-27-5	LC50	> 0,1 - 1 mg/l	Fish	48 h	Leuciscus idus	DIN 38412-15

**Toxicity (Daphnia):**

Hazardous substances CAS-No.	Value type	Value	Acute Toxicity Study	Exposure time	Species	Method
2-aminoethanol 141-43-5	EC50	85 mg/l	Daphnia	24 h	Daphnia magna	
Sulfuric acid, mono-C16-18- alkyl esters, sodium salts 68955-20-4	EC50	275 mg/l	Daphnia	24 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
2-methyl-p-phenylenediamine sulphate 615-50-9	EC50	1,6 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Resorcinol 108-46-3	EC50	0,8 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Aminophenol, 3- 591-27-5	EC50	0,36 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)

**Toxicity (Algae):**

Hazardous substances CAS-No.	Value type	Value	Acute Toxicity Study	Exposure time	Species	Method
2-aminoethanol 141-43-5	EC50	2,5 mg/l	Algae	72 h	Selenastrum capricornutum (new name: Pseudokirchnerella subcapitata)	OECD Guideline 201 (Alga, Growth Inhibition Test)
Sulfuric acid, mono-C16-18- alkyl esters, sodium salts 68955-20-4	EC50	30 mg/l	Algae	96 h	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)	OECD Guideline 201 (Alga, Growth Inhibition Test)
Resorcinol 108-46-3	EC10	120 mg/l	Algae	72 h	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)	OECD Guideline 201 (Alga, Growth Inhibition Test)
Aminophenol, 3- 591-27-5	EC50	120 mg/l	Algae	72 h	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)	OECD Guideline 201 (Alga, Growth Inhibition Test)

**12.2. Persistence and degradability**

Hazardous substances CAS-No.	ResultValue	Route of application	Degradability	Method
2-aminoethanol 141-43-5	readily biodegradable	aerobic	> 80 %	OECD Guideline 301 B (Ready Biodegradability: CO2 Evolution Test)
Sulfuric acid, mono-C16-18- alkyl esters, sodium salts 68955-20-4	readily biodegradable	aerobic	77 %	EU Method C.4-E (Determination of the "Ready" BiodegradabilityClosed Bottle Test)
2-methyl-p-phenylenediamine sulphate 615-50-9		aerobic	85 %	OECD Guideline 302 B (Inherent biodegradability: Zahn- Wellens/EMPA Test)
Resorcinol 108-46-3	readily biodegradable	aerobic	66,7 %	OECD Guideline 301 C (Ready Biodegradability: Modified MITI Test (I))
Aminophenol, 3- 591-27-5		aerobic	1 %	EU Method C.4-E (Determination of the "Ready" BiodegradabilityClosed Bottle Test)

**12.3. Bioaccumulative potential**

No data available.

**12.4. Mobility in soil**

Hazardous substances CAS-No.	LogKow	Bioconcentration factor (BCF)	Exposure time	Species	Temperature	Method
2-aminoethanol 141-43-5	-1,91				25 °C	OECD Guideline 107 (Partition Coefficient (n-octanol / water), Shake Flask Method)
Sulfuric acid, mono-C16-18- alkyl esters, sodium salts 68955-20-4	-0,44				20 °C	
2-methyl-p-phenylenediamine sulphate 615-50-9	0,16					
Resorcinol 108-46-3	0,8					

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

This mixture does not contain any substances that are assessed to be a PBT or vPvB.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods**

Product disposal:  
Consider national regulations.  
Special waste incineration or special disposal with the approval of the responsible local authority.

#### SECTION 14: Transport information

**14.1. UN number**

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

**14.2. UN proper shipping name**

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

**14.3. Transport hazard class(es)**

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

**14.4. Packing group**

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

**14.5. Environmental hazards**

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

**14.6. Special precautions for user**

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

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

not applicable

#### SECTION 15: Regulatory information

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

National regulations/information (Germany):

WGK:	2, water-endangering product. (German VwVwS of May 17, 1999 )
Storage class according to TRGS 510:	Classification in conformity with the calculation method 10

**15.2. Chemical safety assessment**

No Chemical Safety Assessment has been carried out.

#### SECTION 16: Other information

The labelling of the product is indicated in Section 2. The full text of all abbreviations indicated by codes in this safety data sheet are as follows:

H301 Toxic if swallowed.  
H302 Harmful if swallowed.  
H312 Harmful 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.  
H332 Harmful if inhaled.

H335 May cause respiratory irritation.  
H370 Causes damage to organs.  
H400 Very toxic to aquatic life.  
H411 Toxic to aquatic life with long lasting effects.  
H412 Harmful to aquatic life with long lasting effects.

**Further information:**

This information is not related to the use of the product, it is based on our current level of knowledge.