



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

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### Oxidative Hair Dye

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

##### 1.1. Product identifier

Oxidative Hair Dye

##### 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

Natura Laboratorios, S.A. de C.V.

Guadalajara, Jalisco. Mexico.

Pedro Martinez Rivas #746

44250 Zapopan, Jalisco. Mexico.

Phone: (+52) 38-36-38-50

##### 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.	
Chronic hazards to the aquatic environment	Category 3
Harmful to aquatic life with long lasting effects.	
Specific target organ toxicity - single exposure	Category 3

##### 2.2. Label elements (CLP)

###### Hazard pictogram:



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<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. H412 Harmful to aquatic life with long lasting effects.
<b>Precautionary statement: Prevention</b>	P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P273 Avoid release to the environment. 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
ammonia, aqueous solution 1336-21-6	215-647-6	01-2119488876-14	>= 3- < 5 %	H290 Corrosive to metals 1 H314 Skin corrosion 1B H400 Acute hazards to the aquatic environment 1 H411 Chronic hazards to the aquatic environment 2
Fatty alcohol, C16-18, ethoxylate 68439-49-6			>= 1- < 10 %	H319 Serious eye irritation 2
2-methyl-p-phenylenediamine sulphate 615-50-9	210-431-8	01-2119962199-25	>= 0,25- < 1 %	H301 Acute toxicity 3 H332 Acute toxicity 4 H312 Acute toxicity 4 H317 Skin sensitizer 1A H319 Serious eye irritation 2 H373 Specific target organ toxicity - repeated exposure 2 H400 Acute hazards to the aquatic environment 1 H411 Chronic hazards to the aquatic environment 2
Resorcinol 108-46-3	203-585-2	01-2119480136-40	>= 0,25- < 1 %	H400 Acute hazards to the aquatic environment 1 H302 Acute toxicity 4 H315 Skin irritation 2 H317 Skin sensitizer 1B H318 Serious eye damage 1 H370 Specific target organ toxicity - single exposure 1 H371 Specific target organ toxicity - single exposure 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.

Hydrogen chloride.

Nitrogen oxides

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/m3	Value type	Short term exposure limit category/remarks	Remarks
Resorcinol 108-46-3	10	45	Time Weighted Average (TWA):	Indicative	ECTLV
Resorcinol 108-46-3	4	20	Exposure limit(s)	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 characteristic
Odor	Ammoniacal
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	Not applicable
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

### General toxicological information:

The present product is a chemical preparation within the meaning of the chemicals act. The following evaluation has been made on the basis of the toxicological data and content by weight of the individual ingredients.

### 11.1. Information on toxicological effects

#### Acute oral toxicity:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Species	Method
Fatty alcohol, C16-18, ethoxylate 68439-49-6	LD50	3.050 mg/kg	rat	not specified
2-methyl- pphenylenediamine sulphate 615-50-9	LD50	98 mg/kg	rat	not specified
Resorcinol 108-46-3	LD50	301 mg/kg	rat	not specified

#### Acute dermal toxicity:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Species	Method
Resorcinol 108-46-3	LD50	2.830 mg/kg	rabbit	other guideline:

**Acute inhalative toxicity:**

No data available.

**Skin corrosion/irritation:**

Primary skin irritation: irritating

Hazardous substances CAS-No.	Result	Exposure time	Species	Method
ammonia, aqueous solution 1336-21-6	corrosive		rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)
Fatty alcohol, C16-18, ethoxylate 68439-49-6	slightly irritating	4 h	rabbit	EU Method B.4 (Acute Toxicity: Dermal Irritation / Corrosion)
Resorcinol 108-46-3	irritating	24h	rabbit	Other guideline

**Serious eye damage/irritation:**

Primary eye irritation: irritating

Hazardous substances CAS-No.	Result	Exposure time	Species	Method
ammonia, aqueous solution 1336-21-6	corrosive			not specified

**Respiratory or skin sensitization:**

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Result	Test type	Species	Method
ammonia, aqueous solution 1336-21-6	not sensitising	not specified	guinea pig	not specified
Fatty alcohol, C16-18, ethoxylate 68439-49-6	not sensitising	Guinea pig maximisation test	guinea pig	Magnusson and Kligman Method
Resorcinol 108-46-3	sensitising	Mouse local lymphonode assay (LLNA)	mouse	Not specified

**Germ cell mutagenicity:**

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Result	Type of study / Route of administration	Metabolic activation / Exposure time	Species	Method
ammonia, aqueous solution 1336-21-6	negative	bacterial reverse mutation assay (e.g Ames test)	not specified		OECD Guideline 471 (Bacterial Reverse Mutation Assay)
Fatty alcohol, C16-18, ethoxylate 68439-49-6	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		OECD Guideline 471 (Bacterial Reverse Mutation Assay)



**Carcinogenicity**

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

Hazardous components CAS-No.	Result	Route of application	Exposure time / Frequency of treatment	Species	Sex	Method
ammonia, aqueous solution 1336-21-6	not carcinogenic	oral: feed	104 w daily	rat		OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies)

**Reproductive toxicity:**

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Result / Value	Test type	Route of application	Species	Method
ammonia, aqueous solution 1336-21-6	NOAEL P 408 mg/kg	screening	oral: unspecified	rat	OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)
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)

**STOT-single exposure:**

No data available.

**STOT-repeated exposure:**

The mixture is classified based on threshold limits referring to the classified substances present in the mixture

Hazardous substances CAS-No.	Result / Value	Test type	Route of application	Species	Method
ammonia, aqueous solution 1336-21-6	NOAEL P 408 mg/kg	screening	oral: unspecified	rat	OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)
Resorcinol 108-46-3	NOAEL 80 mg/kg	Oral: gavage	13 weeks daily	rat	OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)

**Aspiration hazard:**

No data available.

## SECTION 12: Ecological information

### General ecological information:

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

### 12.1. Toxicity

#### Toxicity (Fish):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Exposure time	Species	Method
ammonia, aqueous solution 1336-21-6	LC50	0,16 - 1,1 mg/l	96 h	Salmo gairdneri (new name: Oncorhynchus mykiss)	OECD Guideline 203 (Fish, Acute Toxicity Test)
ammonia, aqueous solution 1336-21-6	NOEC	< 0,048 mg/l	31 d	Channel catfish	OECD Guideline 215 (Fish, Juvenile Growth Test)
Fatty alcohol, C16-18, ethoxylate 68439-49-6	LC50	4 mg/l	48 h	Leuciscus idus	DIN 38412-15
2-methyl-p-phenylenediamine sulphate 615-50-9	LC50	1,08 mg/l	96h	Danio rerio	OECD Guideline 203 (Fish, Acute Toxicity Test)
Resorcinol 108-46-3	LC50	34.7 mg/l	96h	Leuciscus idus	OECD Guideline 203 (Fish, Acute Toxicity Test)

#### Toxicity (Daphnia):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Exposure time	Species	Method
ammonia, aqueous solution 1336-21-6	EC50	25,4 mg/l	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Fatty alcohol, C16-18, ethoxylate 68439-49-6	EC50	> 200 mg/l	24 h	Daphnia magna	not specified
Resorcinol 108-46-3	EC50	0.8 mg/l	48h	Daphnia magna	
2-methyl-p-phenylenediamine sulphate 615-50-9	EC50	0,51 mg/l	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)

#### Chronic toxicity to aquatic invertebrates

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Exposure time	Species	Method
ammonia, aqueous solution 1336-21-6	NOEC	0,79 mg/l	96 h	Daphnia magna	EPA OPPTS 850.1300 (Daphnid Chronic Toxicity Test)
Resorcinol 108-46-3	NOEC	0.172 mg/l			
2-methyl-p-phenylenediamine sulphate 615-50-9	NOEC	0,276 mg/l	21 d	Daphnia magna	OECD 211 (Daphnia magna, Reproduction Test)

**Toxicity (Algae):**

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Exposure time	Species	Method
ammonia, aqueous solution 1336-21-6	EC50	> 1.000 mg/l	72 h	Skeletonema costatum	ISO 10253 (Water quality)
ammonia, aqueous solution 1336-21-6	NOEC	1.000 mg/l	72 h	Skeletonema costatum	ISO 10253 (Water quality)
Fatty alcohol, C16-18, ethoxylate 68439-49-6	EC50	65 mg/l	72 h	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)	DIN 38412-09
Resorcinol 108-46-3	EC10	120 mg/l	72h	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)	OECD Guideline 201 (Alga, Growht Inhibition Test)
Resorcinol 108-46-3	EC50	180 mg/l	72h	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)	OECD Guideline 201 (Alga, Growht Inhibition Test)
2-methyl-p-phenylenediamine sulphate 615-50-9	EC50	0,653 mg/l	72 h	Desmodesmus subspicatus	OECD Guideline 201 (Alga, Growth Inhibition Test)
2-methyl-p-phenylenediamine sulphate 615-50-9	NOEC	0,31 mg/l	72 h	Desmodesmus subspicatus	OECD Guideline 201 (Alga, Growth Inhibition Test)

**Toxicity to microorganisms**

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Exposure time	Species	Method
Fatty alcohol, C16-18, ethoxylate 68439-49-6	EC0	1.000 mg/l	30 min		not specified
2-methyl-p-phenylenediamine sulphate 615-50-9	EC50	17,7 mg/l	3 h	activated sludge of a predominantly domestic sewage	OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test)
Resorcinol 108-46-3	EC50	79 mg/l	3h	Activated sludge of a predominantly domestic sewage	OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test)

**12.2. Persistence and degradability**

Hazardous substances CAS-No.	Result	Test type	Degradability	Exposure time	Method
Fatty alcohol, C16-18, ethoxylate 68439-49-6	readily biodegradable	aerobic	71 - 75 %	28 d	EU Method C.4-E (Determination of the "Ready" Biodegradability Closed Bottle Test)
Resorcinol 108-46-3	Readily biodegradable	aerobic	66.7 %	14 d	OECD Guideline 301 C (Ready Biodegradability: Modified MITI Test (I))
Resorcinol 108-46-3	Readily biodegradable	aerobic	97%	4 d	OECD Guideline 302 B (Inherent biodegradability: ZahnWellens/EMPA Test)
2-methyl-p-phenylenediamine sulphate 615-50-9	inherently biodegradable	aerobic	85 %	28 d	OECD Guideline 302 B (Inherent biodegradability: Zahn- Wellens/EMPA Test)
2-methyl-p-phenylenediamine sulphate 615-50-9	not readily biodegradable.	aerobic	17 %	28 d	OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test)

**12.3. Bioaccumulative potential**

No data available.

**12.4. Mobility in soil**

Hazardous substances CAS-No.	LogPow	Temperature	Method
ammonia, aqueous solution 1336-21-6	-1,14		EU Method A.8 (Partition Coefficient)
2-methyl-p-phenylenediamine sulphate 615-50-9	0,74	20 °C	OECD Guideline 117 (Partition Coefficient (n-octanol / water), HPLC Method)
Resorcinol 108-46-3	0.8	20°C	QSAR (Quantitative Structure Activity Relationship)

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

Hazardous substances CAS-No.	PBT / vPvB
ammonia, aqueous solution 1336-21-6	According to Annex XIII of regulation (EC) 1907/2006 a PBT and vPvB assessment shall not be conducted for inorganic substances.
2-methyl-p-phenylenediamine sulphate 615-50-9	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.

**12.6. Other adverse effects**

No data available.

**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:

H290 May be corrosive to metals.  
H301 Toxic 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.  
H319 Causes serious eye irritation.  
H332 Harmful if inhaled.  
H370 Causes damage to organs.  
H371 May cause damage to organs.  
H373 May cause damage to organs through prolonged or repeated exposure.  
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.