



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

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Kenra Permanent Color Developer 40 Vol (12%)

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

1.1. Product identifier

Kenra Permanent Color Developer 40 Vol (12%)

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

Intended use:

Developer

1.3. Details of the supplier of the safety data sheet

Nattura 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):

Serious eye damage Category 1

Causes serious eye damage.

2.2. Label elements (CLP)

Hazard pictogram:



Signal word:	Danger
Hazard statement:	H318 Causes serious eye damage
Precautionary statement: Prevention	P280 Wear eye protection/face protection.
Precautionary statement: Response	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.

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
Hydrogen Peroxide 7722-84-1	231-765-0	01-2119485845-22	>= 5 - < 13 %	H318 Serious eye damage 1 H335 Specific target organ toxicity - single exposure 3 H412 Chronic hazards to the aquatic environment 3 H271 Oxidizing liquids 1 H302 Acute toxicity 4 H332 Acute toxicity 4 H314 Skin corrosion 1A
Fatty alcohol, C16-18, ethoxylate 68439-49-6			>= 1 - < 8 %	H319 Serious eye irritation 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

Generation of oxygen

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

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)

Developer

SECTION 8: Exposure controls/personal protection

Only relevant for professional/industrial use

8.1. Control parameters

Valid for
Germany

Contains no components with occupational exposure limit values.

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 White
Odor	Characteristic
pH (20 °C (68 °F))	2,20 - 3,20
Initial boiling point	Not applicable
Flash point	Not applicable
Decomposition temperature	Not applicable
Vapour pressure	Not applicable
Density (20 °C (68 °F))	1,005 - 1,025 g/cm ³
Bulk density	Not applicable
Viscosity	800 – 1800cps
H ₂ O ₂ content (%)	11.50-12.00
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
Hydrogen peroxide 7722-84-1	LD50	805 mg/kg	rat	OECD Guideline 401 (Acute Oral Toxicity)
Fatty alcohol, C16-18, ethoxylate 68439-49-6	LD50	3.050 mg/kg	rat	not specified

Acute dermal toxicity:

Hazardous substances CAS-No.	Value type	Value	Species	Method
Hydrogen peroxide 7722-84-1	LD0	6.500 mg/kg	rabbit	not specified
Hydrogen peroxide 7722-84-1	Acute toxicity estimate (ATE)	6.440 mg/kg		Expert judgement

Acute inhalative toxicity:

No data available.

Skin corrosion/irritation:

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

Hazardous substances CAS-No.	Result	Exposure time	Species	Method
Hydrogen peroxide 7722-84-1	corrosive		rabbit	not specified
Fatty alcohol, C16-18, ethoxylate 68439-49-6	slightly irritating	4 h	rabbit	EU Method B.4 (Acute Toxicity: Dermal Irritation / Corrosion)

Serious eye damage/irritation:

Primary eye irritation: irritating

Hazardous substances CAS-No.	Result	Exposure time	Species	Method
Hydrogen peroxide 7722-84-1	corrosive		rabbit	Draize Test
N/A	N/A		N/A	N/A

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
Hydrogen peroxide 7722-84-1	not sensitising		guinea pig	not specified
Fatty alcohol, C16-18, ethoxylate 68439-49-6	not sensitising	Guinea pig maximisation test	guinea pig	Magnusson and Kligman Method

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
Hydrogen peroxide 7722-84-1	positive	bacterial reverse mutation assay (e.g Ames test)	with and without		Ames Test
Hydrogen peroxide 7722-84-1	negative	intraperitoneal		mouse	OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test)
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

No data available.

Reproductive toxicity:

No data available.

STOT-single exposure:

No data available.

STOT-repeated exposure::

No data available.

Aspiration hazard:

No data available.

General ecological information:

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

SECTION 12: Ecological information

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
Hydrogen peroxide 7722-84-1	LC50	16 mg/l	96 h	Brachydanio rerio (new name: Danio rerio)	ISO 7346-1 (Determination of the Acute Lethal Toxicity of Substances to a Freshwater Fish [Brachydanio rerio Hamilton-Buchanan (Teleostei, Cyprinidae)])
Fatty alcohol, C16-18, ethoxylate 68439-49-6	LC50	4 mg/l	48 h	Leuciscus idus	DIN 38412-15

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
Hydrogen peroxide 7722-84-1	EC50	7,7 mg/l	24 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

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
Hydrogen peroxide 7722-84-1	NOEC	0,63 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
Hydrogen peroxide 7722-84-1	NOEC	0,63 mg/l	72 h	Skeletonema costatum	OECD Guideline 201 (Alga, Growth Inhibition Test)
Hydrogen peroxide 7722-84-1	EC50	1,38 mg/l	72 h	Skeletonema costatum	OECD Guideline 201 (Alga, Growth Inhibition Test)

Fatty alcohol, C16-18, ethoxylate 68439-49-6	EC50	65 mg/l	72 h	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)	DIN 38412-09
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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
Hydrogen peroxide 7722-84-1	EC0	63 mg/l	30 min	Pseudomonas putida	DIN 38412, part 27 (Bacterial oxygen consumption 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)
Hydrogen peroxide 7722-84-1	readily biodegradable	aerobic	> 99 %	30 min	other guideline:

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)
4,5-Diamino-1-(2-hydroxyethyl)-1H-pyrazole-sulfate 155601-30-2	-1,75	25 °C	not specified
2-methyl-p-phenylenediamine sulphate 615-50-9	0,74	20 °C	OECD Guideline 117 (Partition Coefficient (n-octanol / water), HPLC Method)

12.5. Results of PBT and vPvB assessment

Hazardous substances CAS-No.	PBT / vPvB
Hydrogen peroxide 7722-84-1	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

ADR	2984
RID	2984
ADNR	2984
IMDG	2984
IATA	2984

14.2. UN proper shipping name

ADR	HYDROGEN PEROXIDE, AQUEOUS SOLUTION
RID	HYDROGEN PEROXIDE, AQUEOUS SOLUTION
ADNR	HYDROGEN PEROXIDE, AQUEOUS SOLUTION
IMDG	HYDROGEN PEROXIDE, AQUEOUS SOLUTION
IATA	Hydrogen peroxide, aqueous solution

14.3. Transport hazard class(es)

ADR	5.1
RID	5.1
ADNR	5.1
IMDG	5.1
IATA	5.1

14.4. Packing group

ADR	III
RID	III
ADNR	III
IMDG	III
IATA	III

14.5. Environmental hazards

ADR	not applicable
RID	not applicable
ADNR	not applicable
IMDG	not applicable
IATA	not applicable

14.6. Special precautions for user

ADR	not applicable Tunnel restriction code: (E)
RID	not applicable
ADNR	not applicable
IMDG	not applicable
IATA	not applicable

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) Classification in conformity with the calculation method
Storage class according to TRGS 510:	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:

H271 May cause fire or explosion; strong oxidizer.
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H318 Causes serious eye damage.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
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.