

Safety Data Sheet

acc. to OSHA HCS

Date of issue: 08/23/2024

Reviewed on 04/10/2018

1 Identification

- **Product identifier**
- **Trade name:** Wella Koleston AOX 6%
- **Article number:** 315003000118, 99210009711
- **Application of the substance / the mixture** Hair color developer
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Wella International Operations Switzerland Sàrl, Chemin Louis-Hubert 1-3, 1213 Petit-Lancy, Switzerland
- **Information department:**
Wella SDS Info Team
sds_info@wella.com
- **Emergency telephone number:**
CHEMTREC Emergency number: +1-704-741-5970
CHEMTREC: +1 703-741-5970

2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS05 Corrosion

Eye Damage 1 H318 Causes serious eye damage.



GHS07

Skin Irritation 2 H315 Causes skin irritation.

- **Label elements**
- **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms**



GHS05

- **Signal word** Danger
- **Hazard-determining components of labeling:**
hydrogen peroxide solution
- **Hazard statements**
Causes skin irritation.
Causes serious eye damage.
- **Precautionary statements**
Wash thoroughly after handling.
Wear protective gloves / eye protection / face protection.
If on skin: Wash with plenty of water.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
Continue rinsing.
Immediately call a poison center/doctor.
Specific treatment (see on this label).
Take off contaminated clothing and wash it before reuse.
If skin irritation occurs: Get medical advice/attention.

(Contd. on page 2)

Safety Data Sheet

acc. to OSHA HCS

Date of issue: 08/23/2024

Reviewed on 04/10/2018

Trade name: Wella Koleston AOX 6%

(Contd. of page 1)

- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients

- **Chemical characterization: Mixtures**
- **Description:** Mixture of the substances listed below with nonhazardous additions.

- **Dangerous components:**

7722-84-1	hydrogen peroxide solution	≥5- <8%
8042-47-5	Paraffinum Liquidum	>2.5- ≤10%

4 First-aid measures

- **Description of first aid measures**
- **General information:**
Immediately remove any clothing soiled by the product.
Personal protection for the First Aider.
- **After inhalation:** In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:** Use fire fighting measures that suit the environment.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Use neutralizing agent.
Dispose contaminated material as waste according to section 13.
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

(Contd. on page 3)

Safety Data Sheet

acc. to OSHA HCS

Date of issue: 08/23/2024

Reviewed on 04/10/2018

Trade name: Wella Koleston AOX 6%

(Contd. of page 2)

· Protective Action Criteria for Chemicals

· PAC-1:

7722-84-1	hydrogen peroxide solution	10 ppm
7664-38-2	Phosphoric Acid	3 mg/m ³
7758-16-9	disodium dihydrogenpyrophosphate	4.3 mg/m ³
2809-21-4	1-hydroxyethane-1,1-diylbis(phosphonic acid)	7.2 mg/m ³

· PAC-2:

7722-84-1	hydrogen peroxide solution	50 ppm
7664-38-2	Phosphoric Acid	30 mg/m ³
7758-16-9	disodium dihydrogenpyrophosphate	48 mg/m ³
2809-21-4	1-hydroxyethane-1,1-diylbis(phosphonic acid)	79 mg/m ³

· PAC-3:

7722-84-1	hydrogen peroxide solution	100 ppm
7664-38-2	Phosphoric Acid	150 mg/m ³
7758-16-9	disodium dihydrogenpyrophosphate	290 mg/m ³
2809-21-4	1-hydroxyethane-1,1-diylbis(phosphonic acid)	480 mg/m ³

7 Handling and storage

· Handling:

- **Precautions for safe handling** No special precautions are necessary if used correctly.
- **Information about protection against explosions and fires:** No special measures required.

· Conditions for safe storage, including any incompatibilities

· Storage:

- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep receptacle tightly sealed.

· Storage class: 12

- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see section 7.

· Control parameters

· Components with limit values that require monitoring at the workplace:

The following constituent is the only constituent of the product which has a PEL, TLV or other recommended exposure limit.

At this time, the remaining constituent has no known exposure limits.

7722-84-1 hydrogen peroxide solution

PEL	Long-term value: 1.4 mg/m ³ , 1 ppm
REL	Long-term value: 1.4 mg/m ³ , 1 ppm
TLV	Long-term value: 1 ppm
A3	

- **Additional information:** The lists that were valid during the creation were used as basis.

(Contd. on page 4)

US

Safety Data Sheet

acc. to OSHA HCS

Date of issue: 08/23/2024

Reviewed on 04/10/2018

Trade name: Wella Koleston AOX 6%

(Contd. of page 3)

- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
 Keep away from foodstuffs, beverages and feed.
 Immediately remove all soiled and contaminated clothing.
 Wash hands before breaks and at the end of work.
 Avoid contact with the skin.
 Avoid contact with the eyes and skin.
- **Breathing equipment:** Not required.
- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
 Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**
 The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material**
 The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:**



Tightly sealed goggles

- **Body protection:** Protective work clothing

9 Physical and chemical properties

- **Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

Form:	Fluid
Color:	White
Odor:	Characteristic
Odor threshold:	Not determined.

- **pH-value at 20 °C (68 °F):** 2-3

- **Change in condition**

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	Undetermined.

- **Flash point:** Not applicable.

- **Flammability:** Not applicable.

- **Decomposition temperature:** Not determined.

(Contd. on page 5)

US

Safety Data Sheet

acc. to OSHA HCS

Date of issue: 08/23/2024

Reviewed on 04/10/2018

Trade name: Wella Koleston AOX 6%

(Contd. of page 4)

· Ignition temperature:	Product is not selfigniting.
· Danger of explosion:	Product does not present an explosion hazard.
· Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
· Vapor pressure:	Not determined.
· Density:	Not determined.
· Relative density	Not determined.
· Vapor density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with Water:	Not miscible or difficult to mix.
· Partition coefficient (n-octanol/water):	Not determined.
· Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
· Solvent content:	
Water:	87.7 %
VOC content:	0.00 %
	0.0 g/l / 0.00 lb/gal
· Other information	No further relevant information available.

10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

· LD/LC50 values that are relevant for classification:		
7722-84-1 hydrogen peroxide solution		
Oral	LD50	693.7 mg/kg (rat) (bw (OECD 401))
Dermal	LD50	>2,000 mg/kg (rabbit) (bw)
Inhalative	LC50/4 h	11 mg/l (rat)
8042-47-5 Paraffinum Liquidum		
Oral	LD50	>5,000 mg/kg (rat) (bw (/OECD 401))
Dermal	LD50	>2,000 mg/kg (rabbit) (bw (/OECD 402))

(Contd. on page 6)

Safety Data Sheet

acc. to OSHA HCS

Date of issue: 08/23/2024

Reviewed on 04/10/2018

Trade name: Wella Koleston AOX 6%

(Contd. of page 5)

Inhalative LC50/4 h >5 mg/l (rat) (air (//OECD 403))

- **Primary irritant effect:**

- **on the skin:** Irritant to skin and mucous membranes.

- **on the eye:** Strong irritant with the danger of severe eye injury.

- **Sensitization:** No sensitizing effects known.

- **Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations:
Irritant

- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

7722-84-1 hydrogen peroxide solution

3

- **NTP (National Toxicology Program)**

None of the ingredients is listed.

- **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

12 Ecological information

- **Toxicity**

- **Aquatic toxicity:** No further relevant information available.

- **Persistence and degradability** No further relevant information available.

- **Behavior in environmental systems:**

- **Bioaccumulative potential** No further relevant information available.

- **Mobility in soil** No further relevant information available.

- **Additional ecological information:**

- **General notes:**

Water hazard class 1 (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Must not reach bodies of water or drainage ditch undiluted or unneutralized.

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**

- **Recommendation:**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

- **Uncleaned packagings:**

- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- **UN-Number**

- **DOT, ADN, IMDG, IATA**

not regulated

(Contd. on page 7)

Safety Data Sheet

acc. to OSHA HCS

Date of issue: 08/23/2024

Reviewed on 04/10/2018

Trade name: Wella Koleston AOX 6%

(Contd. of page 6)

- | | |
|--|-----------------|
| · UN proper shipping name
· DOT, ADN, IMDG, IATA | not regulated |
| · Transport hazard class(es)
· DOT, ADN, IMDG, IATA
· Class | not regulated |
| · Packing group
· DOT, IMDG, IATA | not regulated |
| · Environmental hazards: | Not applicable. |
| · Special precautions for user | Not applicable. |
| · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |
| · UN "Model Regulation": | not regulated |

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
No further relevant information available.
- **Sara**

- **Section 355 (extremely hazardous substances):**

7722-84-1	hydrogen peroxide solution
-----------	----------------------------

- **Section 313 (Specific toxic chemical listings):**

7664-38-2	Phosphoric Acid
-----------	-----------------

- **TSCA (Toxic Substances Control Act):**

All components have the value ACTIVE.

- **Hazardous Air Pollutants**

None of the ingredients is listed.

- **Proposition 65**

- **Chemicals known to cause cancer:**

None of the ingredients is listed.

- **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

- **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

- **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

- **Carcinogenic categories**

- **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

- **TLV (Threshold Limit Value)**

7722-84-1	hydrogen peroxide solution
-----------	----------------------------

A3

- **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

(Contd. on page 8)

Safety Data Sheet

acc. to OSHA HCS

Date of issue: 08/23/2024

Reviewed on 04/10/2018

Trade name: Wella Koleston AOX 6%

(Contd. of page 7)

- **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms**



GHS05

- **Signal word** Danger
- **Hazard-determining components of labeling:**
hydrogen peroxide solution
- **Hazard statements**
Causes skin irritation.
Causes serious eye damage.
- **Precautionary statements**
Wash thoroughly after handling.
Wear protective gloves / eye protection / face protection.
If on skin: Wash with plenty of water.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
Continue rinsing.
Immediately call a poison center/doctor.
Specific treatment (see on this label).
Take off contaminated clothing and wash it before reuse.
If skin irritation occurs: Get medical advice/attention.
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Department issuing SDS:** Abteilung Umweltschutz
- **Contact:** Hr. Dr. Speckbacher
- **Date of preparation / last revision** 08/23/2024 / -
- **Abbreviations and acronyms:**
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
VOC: Volatile Organic Compounds (USA, EU)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
NIOSH: National Institute for Occupational Safety
OSHA: Occupational Safety & Health
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
Skin Irritation 2: Skin corrosion/irritation – Category 2
Eye Damage 1: Serious eye damage/eye irritation – Category 1

Safety Data Sheet

acc. to OSHA HCS

Printing date 08/28/2024

Reviewed on 08/28/2024

1 Identification

- **Product identifier**
- **Trade name:** CL3G7 Clairol NNE 2 - RES-free
- **Article number:** 315003007363
- **Application of the substance / the mixture** Hair dye
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Wella International Operations Switzerland Sàrl, Chemin Louis-Hubert 1-3, 1213 Petit-Lancy, Switzerland
- **Information department:**
Wella SDS Info Team
sds_info@wella.com
- **Emergency telephone number:**
CHEMTREC Emergency number: +1-704-741-5970
CHEMTREC: +1 703-741-5970

2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS07

Skin Irritation 2 H315 Causes skin irritation.
 Eye Irritation 2A H319 Causes serious eye irritation.
 Sensitization - Skin 1 H317 May cause an allergic skin reaction.

- **Label elements**
- **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms**



GHS07

- **Signal word** Warning
- **Hazard-determining components of labeling:**
N, N-Bis(2-hydroxyethyl)-p-phenylenediamine sulfate
1,4-Diamino-2-(methoxymethyl)-benzene
4-(2-Hydroxyethyl)amino-1,2-methylenedioxybenzol-Hydrochlorid
Phenol, 2-amino-5-ethyl-, hydrochloride
1-(2-hydroxyethyl)-1H-pyrazol-4,5-diylidammoniumsulfate
- **Hazard statements**
Causes skin irritation.
Causes serious eye irritation.
May cause an allergic skin reaction.
- **Precautionary statements**
Avoid breathing dust/fume/gas/mist/vapors/spray
Wash thoroughly after handling.
Contaminated work clothing must not be allowed out of the workplace.
Wear protective gloves / eye protection / face protection.
If on skin: Wash with plenty of water.

(Contd. on page 2)

US

Safety Data Sheet

acc. to OSHA HCS

Printing date 08/28/2024

Reviewed on 08/28/2024

Trade name: CL3G7 Clairol NNE 2 - RES-free

(Contd. of page 1)

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

Take off contaminated clothing and wash it before reuse.

If skin irritation or rash occurs: Get medical advice/attention.

Specific treatment (see on this label).

If eye irritation persists: Get medical advice/attention.

Wash contaminated clothing before reuse.

Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients

- **Chemical characterization: Mixtures**
- **Description:** Mixture of the substances listed below with nonhazardous additions.

· **Dangerous components:**

57-55-6	Propylene glycol	>2.5-≤10%
54381-16-7	N, N-Bis(2-hydroxyethyl)-p-phenylenediamine sulfate	≥1-≤2.5%
337906-36-2	1,4-Diamino-2-(methoxymethyl)-benzene	≥1-≤2.5%
94158-14-2	4-(2-Hydroxyethyl)amino-1,2-methylenedioxybenzol-Hydrochlorid	≥1-≤2.5%
7664-41-7	ammonia, anhydrous	≥1-≤2.5%
149861-22-3	Phenol, 2-amino-5-ethyl-, hydrochloride	≥0.1- <1%
66422-95-5	2,4-DIAMINOPHENOXYETHANOL HCL	≥0.1- <1%
155601-30-2	1-(2-hydroxyethyl)-1H-pyrazol-4,5-diylidammoniumsulfate	≥0.1- <1%

4 First-aid measures

- **Description of first aid measures**
- **General information:**
Immediately remove any clothing soiled by the product.
Personal protection for the First Aider.
- **After inhalation:**
Supply fresh air and to be sure call for a doctor.
In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.
- **Information for doctor:**
Most important symptoms and effects, both acute and delayed No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:** Use fire fighting measures that suit the environment.

(Contd. on page 3)

US

Safety Data Sheet

acc. to OSHA HCS

Printing date 08/28/2024

Reviewed on 08/28/2024

Trade name: CL3G7 Clairol NNE 2 - RES-free

(Contd. of page 2)

- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Not required.
- **Environmental precautions:**
Dilute with plenty of water.
Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to section 13.
Ensure adequate ventilation.
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.
- **Protective Action Criteria for Chemicals**

· PAC-1:

57-55-6	Propylene glycol	30 mg/m ³
7664-41-7	ammonia, anhydrous	30 ppm
7757-83-7	sodium sulphite	11 mg/m ³
9005-00-9	Steareth-2	5.7 mg/m ³
591-27-5	3-aminophenol	3 mg/m ³
1310-73-2	sodium hydroxide	0.5 mg/m ³
139-33-3	Disodium EDTA	11 mg/m ³

· PAC-2:

57-55-6	Propylene glycol	1,300 mg/m ³
7664-41-7	ammonia, anhydrous	160 ppm
7757-83-7	sodium sulphite	120 mg/m ³
9005-00-9	Steareth-2	63 mg/m ³
591-27-5	3-aminophenol	6.8 ppm
1310-73-2	sodium hydroxide	5 mg/m ³
139-33-3	Disodium EDTA	120 mg/m ³

· PAC-3:

57-55-6	Propylene glycol	7,900 mg/m ³
7664-41-7	ammonia, anhydrous	1,100 ppm
7757-83-7	sodium sulphite	710 mg/m ³
9005-00-9	Steareth-2	380 mg/m ³
591-27-5	3-aminophenol	41 ppm
1310-73-2	sodium hydroxide	50 mg/m ³
139-33-3	Disodium EDTA	730 mg/m ³

US

(Contd. on page 4)

Safety Data Sheet

acc. to OSHA HCS

Printing date 08/28/2024

Reviewed on 08/28/2024

Trade name: CL3G7 Clairol NNE 2 - RES-free

(Contd. of page 3)

7 Handling and storage

- **Handling:**
- **Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep receptacle tightly sealed.
- **Storage class:** 12
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see section 7.
- **Control parameters**
- **Components with limit values that require monitoring at the workplace:**
The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.
At this time, the other constituents have no known exposure limits.

57-55-6 Propylene glycol

WEEL	Long-term value: 10 mg/m ³
------	---------------------------------------

7664-41-7 ammonia, anhydrous

PEL	Long-term value: 35 mg/m ³ , 50 ppm
-----	--

REL	Short-term value: 27 mg/m ³ , 35 ppm Long-term value: 18 mg/m ³ , 25 ppm
-----	---

TLV	Short-term value: 35 ppm Long-term value: 25 ppm
-----	---

- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.
- **Breathing equipment:**
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.
- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

(Contd. on page 5)

Safety Data Sheet

acc. to OSHA HCS

Printing date 08/28/2024

Reviewed on 08/28/2024

Trade name: CL3G7 Clairol NNE 2 - RES-free

(Contd. of page 4)

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:**



Tightly sealed goggles

· **Body protection:** Protective work clothing

9 Physical and chemical properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

Form:	Viscous
Color:	Beige
Odor:	Characteristic
Odor threshold:	Not determined.

· **pH-value at 20 °C (68 °F):** 10.5

· **Change in condition**

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	Undetermined.

· **Flash point:** Not applicable.

· **Flammability:** Not applicable.

· **Auto igniting:** 371 °C (699.8 °F)

· **Decomposition temperature:** Not determined.

· **Ignition temperature:** Product is not selfigniting.

· **Danger of explosion:** Product does not present an explosion hazard.

· **Explosion limits:**

Lower:	Not determined.
Upper:	Not determined.

· **Vapor pressure at 20 °C (68 °F):** 23 hPa (17.3 mm Hg)

· **Density:** Not determined.

· **Relative density** Not determined.

· **Vapor density** Not determined.

· **Evaporation rate** Not determined.

(Contd. on page 6)

Safety Data Sheet

acc. to OSHA HCS

Printing date 08/28/2024

Reviewed on 08/28/2024

Trade name: CL3G7 Clairol NNE 2 - RES-free

(Contd. of page 5)

- | | |
|---|--|
| · Solubility in / Miscibility with Water: | Fully miscible. |
| · Partition coefficient (n-octanol/water): | Not determined. |
| · Viscosity: | |
| Dynamic: | Not determined. |
| Kinematic: | Not determined. |
| · Solvent content: | |
| Organic solvents: | 5.0 % |
| Water: | 82.0 % |
| VOC content: | 0.00 % |
| | 0.0 g/l / 0.00 lb/gal |
| · Solids content: | 11.0 % |
| · Other information | No further relevant information available. |

10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

· LD/LC50 values that are relevant for classification:

57-55-6 Propylene glycol

Oral	LD50	20,000 mg/kg (rat)
Dermal	LD50	20,800 mg/kg (rabbit)

54381-16-7 N, N-Bis(2-hydroxyethyl)-p-phenylenediamine sulfate

Oral	LD50	107 mg/kg (rat)
Dermal	LD50	mg/kg (rat)
Inhalative	LC50/4 h	mg/l (rat)

337906-36-2 1,4-Diamino-2-(methoxymethyl)-benzene

Oral	LD50	>150 mg/kg (rat) (bw (Guideline not indicated; rat; weight of eviden)
Dermal	LD50	431 mg/kg (rabbit) (bw (Calculated value; kinetic based calculation; r)
Inhalative	LC50/4 h	1.27 mg/l (rat)

94158-14-2 4-(2-Hydroxyethyl)amino-1,2-methylenedioxybenzol-Hydrochlorid

Oral	LD50	850 mg/kg (mouse)
		1,550 mg/kg (rat)

(Contd. on page 7)

US

Safety Data Sheet

acc. to OSHA HCS

Printing date 08/28/2024

Reviewed on 08/28/2024

Trade name: CL3G7 Clairol NNE 2 - RES-free

(Contd. of page 6)

7664-41-7 ammonia, anhydrous

Oral LD50 350 mg/kg (rat)

Inhalative LC50/4 h 2,000 mg/l (rat)

149861-22-3 Phenol, 2-amino-5-ethyl-, hydrochloride

Oral LD50 500 mg/kg (rat)

66422-95-5 2,4-DIAMINOPHENOXYETHANOL HCL

Oral LD50 1,000 mg/kg (rat)

155601-30-2 1-(2-hydroxyethyl)-1H-pyrazol-4,5-diylidammoniumsulfate

Oral LD50 >2,000 mg/kg (rat) (bw (OECD 401))

· **Primary irritant effect:**· **on the skin:** Irritant to skin and mucous membranes.· **on the eye:** Irritating effect.· **Sensitization:** Sensitization possible through skin contact.· **Additional toxicological information:**The product shows the following dangers according to internally approved calculation methods for preparations:
Irritant· **Carcinogenic categories**· **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

· **NTP (National Toxicology Program)**

None of the ingredients is listed.

· **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

12 Ecological information· **Toxicity**· **Aquatic toxicity:** No further relevant information available.· **Persistence and degradability** No further relevant information available.· **Behavior in environmental systems:**· **Bioaccumulative potential** No further relevant information available.· **Mobility in soil** No further relevant information available.· **Additional ecological information:**· **General notes:**

Water hazard class 2 (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

· **Results of PBT and vPvB assessment**· **PBT:** Not applicable.· **vPvB:** Not applicable.· **Other adverse effects** No further relevant information available.**13 Disposal considerations**· **Waste treatment methods**· **Recommendation:**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

(Contd. on page 8)

Safety Data Sheet

acc. to OSHA HCS

Printing date 08/28/2024

Reviewed on 08/28/2024

Trade name: CL3G7 Clairol NNE 2 - RES-free

(Contd. of page 7)

- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

14 Transport information

· UN-Number	
· DOT, IMDG, IATA	not regulated
· UN proper shipping name	
· DOT, ADN, IMDG, IATA	not regulated
· Transport hazard class(es)	
· DOT, ADN, IMDG, IATA	
· Class	not regulated
· Packing group	
· DOT, IMDG, IATA	not regulated
· Environmental hazards:	Not applicable.
· Special precautions for user	Not applicable.
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
· UN "Model Regulation":	not regulated

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
No further relevant information available.
- **Sara**

· Section 355 (extremely hazardous substances):		
7664-41-7	ammonia, anhydrous	
· Section 313 (Specific toxic chemical listings):		
7664-41-7	ammonia, anhydrous	
· TSCA (Toxic Substances Control Act):		
7732-18-5	water, distilled, conductivity or of similar purity	ACTIVE
57-55-6	Propylene glycol	ACTIVE
67762-27-0	Cetearyl Alcohol	ACTIVE
54381-16-7	N, N-Bis(2-hydroxyethyl)-p-phenylenediamine sulfate	ACTIVE
7664-41-7	ammonia, anhydrous	ACTIVE
178949-82-1	L-Aspartic acid, N,N'-1,2-ethanediylbis-, sodium salt (1:3)	ACTIVE
50-81-7	ascorbic acid	ACTIVE
2197-63-9	1-Hexadecanol, 1,1'-(hydrogen phosphate)	ACTIVE
7757-83-7	sodium sulphite	ACTIVE
9005-00-9	Steareth-2	ACTIVE
591-27-5	3-aminophenol	ACTIVE

(Contd. on page 9)

Safety Data Sheet

acc. to OSHA HCS

Printing date 08/28/2024

Reviewed on 08/28/2024

Trade name: CL3G7 Clairol NNE 2 - RES-free

(Contd. of page 8)

11138-66-2	Xanthan Gum	ACTIVE
66422-95-5	2,4-DIAMINOPHENOXYETHANOL HCL	ACTIVE
1310-73-2	sodium hydroxide	ACTIVE
139-33-3	Disodium EDTA	ACTIVE

· Hazardous Air Pollutants

None of the ingredients is listed.

· Proposition 65
· Chemicals known to cause cancer:

None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

· Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

· Carcinogenic categories
· EPA (Environmental Protection Agency)

None of the ingredients is listed.

· TLV (Threshold Limit Value)

None of the ingredients is listed.

· NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients is listed.

· GHS label elements The product is classified and labeled according to the Globally Harmonized System (GHS).

· Hazard pictograms


GHS07

· Signal word Warning

· Hazard-determining components of labeling:

N, N-Bis(2-hydroxyethyl)-p-phenylenediamine sulfate

1,4-Diamino-2-(methoxymethyl)-benzene

4-(2-Hydroxyethyl)amino-1,2-methylenedioxybenzol-Hydrochlorid

Phenol, 2-amino-5-ethyl-, hydrochloride

1-(2-hydroxyethyl)-1H-pyrazol-4,5-diylidammoniumsulfate

· Hazard statements

Causes skin irritation.

Causes serious eye irritation.

May cause an allergic skin reaction.

· Precautionary statements

Avoid breathing dust/fume/gas/mist/vapors/spray

Wash thoroughly after handling.

Contaminated work clothing must not be allowed out of the workplace.

Wear protective gloves / eye protection / face protection.

(Contd. on page 10)

Safety Data Sheet

acc. to OSHA HCS

Printing date 08/28/2024

Reviewed on 08/28/2024

Trade name: CL3G7 Clairol NNE 2 - RES-free

(Contd. of page 9)

If on skin: Wash with plenty of water.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

Take off contaminated clothing and wash it before reuse.

If skin irritation or rash occurs: Get medical advice/attention.

Specific treatment (see on this label).

If eye irritation persists: Get medical advice/attention.

Wash contaminated clothing before reuse.

Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Department issuing SDS:** Abteilung Umweltschutz

· **Contact:** Hr. Dr. Speckbacher

· **Date of preparation / last revision** 08/28/2024 / -

· **Abbreviations and acronyms:**

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

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

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

Skin Irritation 2: Skin corrosion/irritation – Category 2

Eye Irritation 2A: Serious eye damage/eye irritation – Category 2A

Sensitization - Skin 1: Skin sensitisation – Category 1