

1 Identification

- **Product identifier**
- **Trade name:** Just For Men Shampoo-In Color Real Black, Jet Black RD-005452
- **Recommended use:** Personal care products
- **Restrictions on use:** No further relevant information available.
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Combe Incorporated
1101 Westchester Ave.
White Plains, NY 10604
United States
- **Tel.:** +1-914-461-4458
Email: sdsinquiries@combe.com
- **Emergency telephone number:** CHEMTREC: 1-800-CHEM-TREC

2 Hazard(s) identification

- **Classification of the substance or mixture**
Acute Tox. 4 H302 Harmful if swallowed.
Acute Tox. 4 H332 Harmful if inhaled.
Skin Irrit. 2 H315 Causes skin irritation.
Eye Dam. 1 H318 Causes serious eye damage.
Skin Sens. 1 H317 May cause an allergic skin reaction.
STOT SE 1 H370 Causes damage to the central nervous system and the blood. Route of exposure: Oral.

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

- **Hazard pictograms**



GHS05 GHS07 GHS08

- **Signal word** Danger
- **Hazard-determining components of labeling:**
2-aminoethanol
p-phenylenediamine
resorcinol
3-aminophenol
(3-ammonio-4-methoxyphenyl)(2-hydroxyethyl)ammonium sulphate
- **Hazard statements**
H302+H332 Harmful if swallowed or if inhaled.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H317 May cause an allergic skin reaction.
H370 Causes damage to the central nervous system and the blood. Route of exposure: Oral.
- **Precautionary statements**
P260 Do not breathe dust/fume/gas/mist/vapors/spray.
P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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- P310 *Immediately call a poison center/doctor.*
 P321 *Specific treatment (see on this label).*
 P330 *Rinse mouth.*
 P362+P364 *Take off contaminated clothing and wash it before reuse.*
 P405 *Store locked up.*
 P501 *Dispose of contents/container in accordance with local/regional/national/international regulations.*

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

3 Composition/information on ingredients

- **Chemical characterization: Mixtures**

- **Dangerous components:**

CAS: 141-43-5	2-aminoethanol	3 - 5%
CAS: 106-50-3	p-phenylenediamine	3 - 5%
CAS: 108-46-3	resorcinol	1 - 3%
CAS: 591-27-5	3-aminophenol	1 - 3%
CAS: 83763-48-8	(3-ammonio-4-methoxyphenyl)(2-hydroxyethyl)ammonium sulphate	0.1 - 1%

4 First-aid measures

- **Description of first aid measures**

- **General information:**

Take affected persons out of danger area and lay down.

Immediately remove any clothing soiled by the product.

In case of irregular breathing or respiratory arrest provide artificial respiration.

- **After inhalation:** Supply fresh air.

- **After skin contact:**

Immediately rinse with water.

If skin irritation continues, consult a doctor.

- **After eye contact:**

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

Continue rinsing.

Call a doctor immediately.

- **After swallowing:**

Rinse out mouth and then drink plenty of water.

If symptoms persist consult doctor.

Do NOT induce vomiting.

- **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:**

CO₂ extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

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- Use fire fighting measures that suit the environment.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards arising from the substance or mixture**
Formation of toxic gases is possible during heating or in case of fire.
In case of fire, the following can be released:
Carbon monoxide
Carbon dioxide
Nitrogen oxides (NO_x)
Sulfur oxides (SO_x)
- **Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.
- **Additional information**
Cool endangered receptacles with water spray.
Collect contaminated fire fighting water separately. It must not enter the sewage system.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Ensure adequate ventilation.
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 of the collected material according to regulations.
- **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.

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:** Store only in the original receptacle.
- **Information about storage in one common storage facility:** Store away from oxidizing agents.
- **Further information about storage conditions:**
Keep receptacle tightly sealed.
Store in cool, dry conditions in well sealed receptacles.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **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.

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At this time, the other constituents have no known exposure limits.

CAS: 141-43-5 2-aminoethanol

PEL	Long-term value: 6 mg/m ³ , 3 ppm
REL	Short-term value: 15 mg/m ³ , 6 ppm Long-term value: 8 mg/m ³ , 3 ppm
TLV	Short-term value: 15 mg/m ³ , 6 ppm Long-term value: 7.5 mg/m ³ , 3 ppm

CAS: 108-46-3 resorcinol

REL	Short-term value: 90 mg/m ³ , 20 ppm Long-term value: 45 mg/m ³ , 10 ppm
TLV	Short-term value: 90 mg/m ³ , 20 ppm Long-term value: 45 mg/m ³ , 10 ppm

· **Exposure controls**

· **Personal protective equipment:**

· **General protective and hygienic measures:**

Do not eat, drink, smoke or sniff while working.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Store protective clothing separately.

Do not inhale gases / fumes / aerosols.

Avoid contact with the eyes and skin.

The usual precautionary measures for handling chemicals should be followed.

· **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

Only use chemical-protective gloves with CE-labeling of category III.

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

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**

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9 Physical and chemical properties

· Information on basic physical and chemical properties

· General Information

· Appearance:

· Form:	Viscous
· Color:	Amber colored
· Odor:	Characteristic
· Odor threshold:	Not determined.

· pH-value at 20 °C (68 °F): 9.5 - 10.1

· Change in condition

· Melting point/Melting range:	Not determined.
· Boiling point/Boiling range:	Not determined.

· Flash point: Not applicable.

· Flammability (solid, gaseous): Not applicable.

· Ignition temperature: Not determined.

· Decomposition temperature: Not determined.

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

· Explosion limits:

· Lower:	Not applicable.
· Upper:	Not applicable.

· Oxidizing properties: No

· Vapor pressure: Not determined.

· Density at 25 °C (77 °F): 0.99 - 1.04 g/cm³ (8.26155 - 8.6788 lbs/gal)

· 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):

141-43-5	2-aminoethanol	-2,3 logPow @ 25°C (OECD Guideline 107)
106-50-3	p-phenylenediamine	-0,839 logPow @ 21°C (OECD Guideline 107)
108-46-3	resorcinol	0,8 logPow @ 20°C
591-27-5	3-aminophenol	0,183 logPow @ 20 °C (OECD Guideline 107)
83763-48-8	(3 - a m m o n i o - 4 - m e t h o x y p h e n y l) (2 - hydroxyethyl)ammonium sulphate	59 logPow @ 20 °C, pH 7.5

· Viscosity:

· Dynamic:	Not determined.
· Kinematic:	Not determined.

· Solvent content:

VOC content: 4.00 %

· Other information: No further relevant information available.

10 Stability and reactivity

· Reactivity: No further relevant information available.

· Chemical stability: No decomposition if used and stored according to specifications.

· Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

· Possibility of hazardous reactions: No dangerous reactions known.

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- **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:**

CAS: 141-43-5 2-aminoethanol

Oral	LD50	1089 mg/kg (Rat) (OECD Guideline 401)
Dermal	LD50	2504 mg/kg (Rabbit) (OECD Guideline 402)
Inhalative	LC50	> 1.3 mg/L (Rat) (inhalation: vapour) 6 h

CAS: 106-50-3 p-phenylenediamine

Oral	LD50	80 mg/kg (Rat)
Inhalative	LC50 (4h)	0.92 mg/L (Rat) (OECD Guideline 403, inhalation:aerosol)

CAS: 108-46-3 resorcinol

Oral	LD50	510 mg/kg (Rat) (OECD Guideline 401)
Dermal	LD50	2830 mg/kg (Rabbit)
Inhalative	LC50 (1h)	> 7.8 mg/L (Rat) (aerosol)

CAS: 591-27-5 3-aminophenol

Oral	LD50	> 500 mg/kg (Rat) (OECD Guideline 420)
Dermal	LD50	8115.2 mg/kg (Rabbit) (QSAR)

CAS: 83763-48-8 (3-ammonio-4-methoxyphenyl)(2-hydroxyethyl)ammonium sulphate

Oral	LD50	475 mg/kg (Rat)
Dermal	LD50	> 5000 mg/kg (Rabbit)

- **Primary irritant effect:**
- **on the skin:** Irritant to skin and mucous membranes.
- **on the eye:** Strong caustic effect.
- **Sensitization:** Sensitization possible through skin contact.
- **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:
Harmful
Irritant

- **Carcinogenic categories**

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

CAS: 106-50-3	p-phenylenediamine	3
CAS: 108-46-3	resorcinol	3

- **NTP (National Toxicology Program)**

None of the ingredients is listed.

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

None of the ingredients is listed.

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12 Ecological information

· Toxicity

· Aquatic toxicity:

CAS: 141-43-5 2-aminoethanol

LC50 (96h)	349 mg/L (Fish) (Directive 92/69/EEC, <i>Cyprinus carpio</i>)
EC10 (0,5h) (static)	> 1000 mg/L (Bacteria) (OECD Guideline 209, activated sludge) nominal
EC50 (48h) (static)	65 mg/L (Daphnia) (EU Method C.2, <i>Daphnia magna</i>) nominal
EC50 (72h) (static)	2.8 mg/L (Algae) (OECD Guideline 201, <i>Pseudokirchneriella subcapitata</i>) nominal
NOEC (21d)	0.85 mg/L (Daphnia) (OECD Guideline 202, <i>Daphnia magna</i>)
NOEC (dynamic)	1.24 mg/L (Fish) (OECD Guideline 210, <i>Oryzias latipes</i>) 41 d
NOEC (72h) (static)	1 mg/L (Algae) (OECD Guideline 201, <i>Pseudokirchneriella subcapitata</i>) nominal

CAS: 106-50-3 p-phenylenediamine

LC50 (96h) (static)	0.28 mg/L (Daphnia) (OECD Guideline 202, <i>Daphnia magna</i>) nominal
EC50 (3h) (static)	3.9 mg/L (Fish) (OECD Guideline 203, <i>Oncorhynchus mykiss</i>) 13.4 mg/L (Bacteria) (OECD Guideline 209, activated sludge) nominal
EC50 (72h) (static)	0.27 mg/L (Algae) (OECD Guideline 201, <i>Pseudokirchneriella subcapitata</i>)
NOEC (21d)	0.0051 mg/L (Daphnia) (OECD Guideline 211, <i>Daphnia magna</i>)
NOEC (72h) (static)	< 0.029 mg/L (Algae) (OECD Guideline 201, <i>Pseudokirchneriella subcapitata</i>)

CAS: 108-46-3 resorcinol

LC50 (96h) (dynamic)	26.8 mg/L (Fish) (EPA-660/3/75-009, <i>Pimephales promelas</i>)
EC50 (48h)	1 mg/L (Daphnia) (OECD Guideline 202, <i>Daphnia magna</i>)
EC50 (3h)	79 mg/L (Bacteria) (OECD Guideline 209, activated sludge)
EC50	260 mg/L (Fish) (ELS-Test, <i>Oncorhynchus mykiss</i>) 60d
EC50 (72h) (static)	> 97 mg/L (Algae) (OECD Guideline 201, <i>Pseudokirchneriella subcapitata</i>)
NOEC (21d) (dynamic)	≥ 0.172 mg/L (Daphnia) (OECD Guideline 211, <i>Daphnia magna</i>)
NOEC (72h) (static)	97 mg/L (Algae) (OECD Guideline 201, <i>Pseudokirchneriella subcapitata</i>)

CAS: 591-27-5 3-aminophenol

LC50 (48h) (static)	0.267 mg/L (Daphnia) (OECD Guideline 202, <i>Daphnia magna</i>)
LC50 (96h) (static)	> 100 mg/L (Fish) (OECD Guideline 203, <i>Danio rerio</i>) nominal
EC50 (3h) (static)	961.9 mg/L (Bacteria) (OECD Guideline 209, activated sludge)
EC50 (72h)	62 mg/L (Algae) (OECD Guideline 201, <i>Pseudokirchneriella subcapitata</i>)
NOEC (21d) (dynamic)	0.05 mg/L (Daphnia) (OECD Guideline 211, <i>Daphnia magna</i>) nominal
	25 mg/L (Fish) (OECD Guideline 204, <i>Oryzias latipes</i>) nominal
NOEC (72h)	67.7 mg/L (Algae) (OECD Guideline 201, <i>Pseudokirchneriella subcapitata</i>) nominal

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CAS: 83763-48-8 (3-ammonio-4-methoxyphenyl)(2-hydroxyethyl)ammonium sulphate

LC50 (96h)	10 - 100 mg/L (Fish)
EC50 (48h)	28 mg/L (Daphnia) (Daphnia magna)

· **Persistence and degradability**

141-43-5	2-aminoethanol	> 90 % @ 21d (OECD Guideline 301A)
106-50-3	p-phenylenediamine	30 % @ 28d (OECD Guideline 301D)
108-46-3	resorcinol	66,7 % @ 14d (OECD Guideline 301 C)
591-27-5	3-aminophenol	0 % (28d, OECD Guideline 301 F)

· **Behavior in environmental systems:**

· **Bioaccumulative potential**

141-43-5	2-aminoethanol	2,3 BCF (calculated)
108-46-3	resorcinol	3,16 BCF (calculated)
591-27-5	3-aminophenol	4 BCF

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

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

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:** Must be specially treated adhering to official regulations.
- **Uncleaned packagings**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

This consumer product as supplied qualifies for a limited quantity exemption from applying hazmat markings per :
 Ground: 49 CFR 171.4(c)(2) Air: IATA Special Provision A197 Ocean: IMDG Code 2.10.2.7

· **UN-Number**

· DOT	Void
· ADR/RID/ADN, IMDG, IATA	UN3082
· UN proper shipping name	
· DOT	Void
· ADR/RID/ADN	3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (PHENYLENEDIAMINES, RESORCINOL)
· IMDG	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (PHENYLENEDIAMINES, RESORCINOL), MARINE POLLUTANT
· IATA	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (PHENYLENEDIAMINES, RESORCINOL)

· **Transport hazard class(es)**

· DOT	
· Class	Void

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· ADR/RID/ADN, IMDG, IATA



· Class 9 Miscellaneous dangerous substances and articles
 · Label 9

· Packing group
 · DOT Void
 · ADR/RID/ADN, IMDG, IATA III

· Environmental hazards:
 · Marine pollutant: Symbol (fish and tree)
 · Special marking (ADR/RID/ADN): Symbol (fish and tree)
 · Special marking (IATA): Symbol (fish and tree)

· Special precautions for user Warning: Miscellaneous dangerous substances and articles
 · Hazard identification number (Kemler code): 90
 · EMS Number: F-A,S-F
 · Stowage Category A

· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable.

· UN "Model Regulation": UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (PHENYLENEDIAMINES, RESORCINOL), 9, III

15 Regulatory information

· Safety, health and environmental regulations/legislation specific for the substance or mixture
 · SARA

· Section 355 (extremely hazardous substances):

None of the ingredients is listed.

· Section 313 (Specific toxic chemical listings):

CAS: 106-50-3 | p-phenylenediamine

· TSCA (Toxic Substances Control Act) Inventory:

All components have the value ACTIVE.

· Hazardous Air Pollutants

CAS: 106-50-3 | p-phenylenediamine

· 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.

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Trade name: Just For Men Shampoo-In Color Real Black, Jet Black RD-005452

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· New Jersey Right-to-Know List:		
CAS: 106-50-3	p-phenylenediamine	
CAS: 141-43-5	2-aminoethanol	
CAS: 108-46-3	resorcinol	
· New Jersey Special Hazardous Substance List:		
CAS: 141-43-5	2-aminoethanol	CO, F2
· Pennsylvania Right-to-Know List:		
CAS: 106-50-3	p-phenylenediamine	
CAS: 141-43-5	2-aminoethanol	
CAS: 108-46-3	resorcinol	
· Pennsylvania Special Hazardous Substance List:		
CAS: 106-50-3	p-phenylenediamine	E
CAS: 108-46-3	resorcinol	E
· Carcinogenicity categories		
· EPA (Environmental Protection Agency)		
None of the ingredients is listed.		
· TLV (Threshold Limit Value established by ACGIH)		
CAS: 106-50-3	p-phenylenediamine	A4
CAS: 108-46-3	resorcinol	A4
· NIOSH-Ca (National Institute for Occupational Safety and Health)		
None of the ingredients is listed.		

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:

Chemservice S.A.
5, an de Laengten
L-6776 Grevenmacher, Luxembourg
Tel.: +352 270776-1
Fax: +352 270776-75
Email: sds@chemservice-group.com

· Date of preparation / last revision 06/07/2021 / 1.01

· Abbreviations and acronyms:

REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals
MARPOL: (from Marine Pollutant) International Convention for the Prevention of Marine Pollution from Ships
IBC Code: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
UN: United Nations (also UNO: United Nations Organization)
NOEC: No Observed Effect Concentration
OECD: Organisation for Economic Co-operation and Development
ASTM: American Society for Testing and Materials
WAF: Water Accommodated Fraction
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
ACGIH: American Conference of Governmental Industrial Hygienists
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)

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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

Acute Tox. 4: Acute toxicity – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Skin Sens. 1: Skin sensitisation – Category 1

STOT SE 1: Specific target organ toxicity (single exposure) – Category 1

*** Data compared to the previous version altered.**

1 Identification

- **Product identifier**
- **Trade name:** Just For Men Shampoo-In Haircolor Developer RD-005498
- **Recommended use:** Personal care products
- **Restrictions on use:** No further relevant information available.
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Combe Incorporated
1101 Westchester Ave.
White Plains, NY 10604
United States
- **Tel.:** +1-914-461-4458
Email: sdsinquiries@combe.com
- **Emergency telephone number:** CHEMTREC: 1-800-CHEM-TREC

2 Hazard(s) identification

- **Classification of the substance or mixture**
The product is not classified, according to the Globally Harmonized System (GHS).
- **Label elements**
- **GHS label elements** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not determined.
- **vPvB:** Not determined.

3 Composition/information on ingredients

- **Chemical characterization:** Mixtures

- **Dangerous components:**

CAS: 7722-84-1	Aqueous solution of hydrogen peroxide 40-60 %	5 - 7%
CAS: 9002-92-0	Ethoxylated lauryl alcohol	1 - 3%

4 First-aid measures

- **Description of first aid measures**
- **General information:**
Take affected persons out of danger area and lay down.
In case of irregular breathing or respiratory arrest provide artificial respiration.
- **After inhalation:** Supply fresh air.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:**
Rinse opened eye for several minutes under running water.
Remove contact lenses, if present and easy to do. Continue rinsing.
- **After swallowing:** Rinse out mouth and then drink plenty of water.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.

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Trade name: Just For Men Shampoo-In Haircolor Developer RD-005498

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- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam. Use fire fighting measures that suit the environment.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards arising from the substance or mixture**
Formation of toxic gases is possible during heating or in case of fire.
In case of fire, the following can be released:
Carbon monoxide
Carbon dioxide
Phosphorus compounds
- **Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.
- **Additional information**
Cool endangered receptacles with water spray.
Collect contaminated fire fighting water separately. It must not enter the sewage system.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Ensure adequate ventilation.
Wear protective clothing.
- **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).
Dispose of the collected material according to regulations.
- **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.

7 Handling and storage

- **Handling:**
- **Precautions for safe handling** 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:** Store only in the original receptacle.
- **Information about storage in one common storage facility:** Store away from oxidizing agents.
- **Further information about storage conditions:** Store in cool, dry conditions in well sealed receptacles.
- **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 item 7.

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Trade name: Just For Men Shampoo-In Haircolor Developer RD-005498

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 · **Control parameters**

 · **Components with limit values that require monitoring at the workplace:**
CAS: 7722-84-1 Aqueous solution of hydrogen peroxide 40-60 %

 PEL Long-term value: 1.4 mg/m³, 1 ppm

 REL Long-term value: 1.4 mg/m³, 1 ppm

 TLV Long-term value: 1 ppm
 A3

 · **Exposure controls**

 · **Personal protective equipment:**

 · **General protective and hygienic measures:**

Do not eat, drink, smoke or sniff while working.

Keep away from foodstuffs, beverages and feed.

The usual precautionary measures for handling chemicals should be followed.

 · **Breathing equipment:** Not necessary if room is well-ventilated.

 · **Protection of hands:**


Protective gloves

Only use chemical-protective gloves with CE-labeling of category III.

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

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

 · **Limitation and supervision of exposure into the environment** No further relevant information available.

9 Physical and chemical properties

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

 · **General Information**

 · **Appearance:**

Form: Viscous

Color: Whitish

 · **Odor:** Characteristic

 · **Odor threshold:** Not determined.

 · **pH-value at 20 °C (68 °F):** 2.5 - 4.5

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· Change in condition	
Melting point/Melting range:	Not determined.
Boiling point/Boiling range:	Not determined.
· Flash point:	Not determined.
· Flammability (solid, gaseous):	Not applicable.
· Ignition temperature:	Not determined.
· Decomposition temperature:	Not determined.
· Danger of explosion:	Product does not present an explosion hazard.
· Explosion limits:	
Lower:	Not applicable.
Upper:	Not applicable.
· Oxidizing properties	No
· Vapor pressure:	Not determined.
· Density at 25 °C (77 °F):	0.997 - 1.03 g/cm ³ (8.31997 - 8.59535 lbs/gal)
· 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):	
7722-84-1	Aqueous solution of hydrogen peroxide 40-60 %
9002-92-0	Ethoxylated lauryl alkohol
	-1,57 logPow@ 20°C (calculated)
	1,937 logPow (23°C)
· Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
· Solvent content:	
Water:	87.2 %
VOC content:	0.00 %
· Other information	No further relevant information available.

10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability** No decomposition if used and stored according to specifications.
- **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:** Based on available data, the classification criteria are not met.

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US

Trade name: Just For Men Shampoo-In Haircolor Developer RD-005498

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· LD/LC50 values that are relevant for classification:
CAS: 7722-84-1 Aqueous solution of hydrogen peroxide 40-60 %

Oral	LD50	693.7 mg/kg (Rat) (OECD Guideline 401)
Dermal	LD50	> 2000 mg/kg (Rabbit) (OECD Guideline 402)
Inhalative	LC50 (4h)	0.17 mg/L (Rat) (OECD Guideline 403, inhalation:vapour)

CAS: 9002-92-0 Ethoxylated lauryl alcohol

Oral	LD50	1000 mg/kg (Rat)
Dermal	LD50	> 2000 mg/kg (Rat) (OECD Guideline 402)

· Primary irritant effect:

· **on the skin:** Based on available data, the classification criteria are not met.

· **on the eye:** Based on available data, the classification criteria are not met.

· **Sensitization:** Based on available data, the classification criteria are not met.

· Additional toxicological information:

The product is not subject to classification according to internally approved calculation methods for preparations:

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

Suspected of causing genetic defects.

May cause respiratory irritation.

Suspected of damaging fertility or the unborn child.

Causes damage to organs through prolonged or repeated exposure.

Suspected of damaging fertility or the unborn child.

Causes damage to organs through prolonged or repeated exposure.

· Carcinogenic categories
· IARC (International Agency for Research on Cancer)

CAS: 7722-84-1	Aqueous solution of hydrogen peroxide 40-60 %	3
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· 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:
CAS: 7722-84-1 Aqueous solution of hydrogen peroxide 40-60 %

LC50 (48h)	2.4 mg/L (Daphnia) (Daphnia pulex)
LC50 (96h)	5 mg/L (Fish) (Pimephales promelas) nominal
EC50 (3h) (static)	> 1000 mg/L (Bacteria) (OECD Guideline 209, activated sludge) nominal
EC50 (72h) (static)	1.38 mg/L (Algae) (Skeletonema costatum)
NOEC (21d) (dynamic)	0.63 mg/L (Daphnia) (Daphnia magna)

CAS: 9002-92-0 Ethoxylated lauryl alcohol

LC50	9.45 mg/L (Daphnia) (Gammarus italicus) 24 h
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(Contd. of page 5)

LC50 (96h) (static)	5.849 mg/L (Fish) (QSAR, <i>Carassius auratus</i>)
EC50 (72h) (static)	2.06 mg/L (Algae) (OECD Guideline 201, <i>Desmodesmus subspicatus</i>) QSAR
IC50 (static)	3.122 mg/L (Bacteria) (QSAR, <i>Tetrahymena pyriformis</i>) 48h

· Persistence and degradability

7722-84-1	Aqueous solution of hydrogen peroxide 40-60 %	>99 % @ 30min (OECD 209)
9002-92-0	Ethoxylated lauryl alkohol	50 % (15d, calculated)

· Behavior in environmental systems:
· Bioaccumulative potential

9002-92-0	Ethoxylated lauryl alkohol	81,07 BCF (calculated)
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· Mobility in soil No further relevant information available.

· Other adverse effects No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:** Must be specially treated adhering to official regulations.
- **Uncleaned packagings**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- **UN-Number**
- **DOT, ADR/RID/ADN, IMDG, IATA** Void
- **UN proper shipping name**
- **DOT, ADR/RID/ADN, IMDG, IATA** Void
- **Transport hazard class(es)**
- **DOT, ADR/RID/ADN, IMDG, IATA**
- **Class** Void
- **Packing group**
- **DOT, ADR/RID/ADN, IMDG, IATA** Void
- **Environmental hazards:** Not applicable.
- **Special precautions for user** Not applicable.
- **Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:** Not applicable.
- **Transport/Additional information:** Not dangerous according to the above specifications.
- **UN "Model Regulation":** Void

15 Regulatory information

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

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· **SARA**· **Section 355 (extremely hazardous substances):**

CAS: 7722-84-1 Aqueous solution of hydrogen peroxide 40-60 %

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

None of the ingredients is listed.

· **TSCA (Toxic Substances Control Act) Inventory:**

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.

· **New Jersey Right-to-Know List:**

CAS: 7722-84-1 Aqueous solution of hydrogen peroxide 40-60 %

· **New Jersey Special Hazardous Substance List:**

CAS: 7722-84-1 Aqueous solution of hydrogen peroxide 40-60 %

CO, MU, R3

· **Pennsylvania Right-to-Know List:**

CAS: 7722-84-1 Aqueous solution of hydrogen peroxide 40-60 %

· **Pennsylvania Special Hazardous Substance List:**

CAS: 7722-84-1 Aqueous solution of hydrogen peroxide 40-60 %

E

· **Carcinogenicity categories**· **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

· **TLV (Threshold Limit Value)**

CAS: 7722-84-1 Aqueous solution of hydrogen peroxide 40-60 %

A3

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

None of the ingredients is listed.

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:**

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· **Contact:**

· **Date of preparation / last revision** 02/21/2022 / -

· **Abbreviations and acronyms:**

REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals

MARPOL: (from Marine Pollutant) International Convention for the Prevention of Marine Pollution from Ships

IBC Code: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk

UN: United Nations (also UNO: United Nations Organization)

NOEC: No Observed Effect Concentration

OECD: Organisation for Economic Co-operation and Development

ASTM: American Society for Testing and Materials

WAF: Water Accommodated Fraction

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

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