

# SAFETY DATA SHEET

Vanish Kraken II Gel WE



HEALTH • HYGIENE • HOME

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

### 1.1 Product identifier

**Product name** : Vanish Kraken II Gel WE  
**SDS no.** : 8124972 v5.0  
**Formulation #** : 8103194 v2.0  
**Product type** : Fabric Treatment  
**Product use** : Consumer  
**Supplier** : To be filled by local business.

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

Identified uses
Consumer use of washing and cleaning products

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

#### Manufacturer

Reckitt Benckiser Italy  
Via Sant'Antonio, 5  
30034 MIRA, VENICE  
ITALY  
++39 041 5629211

**e-mail address of person responsible for this SDS** : To be filled by local business.

#### National contact

To be filled by local business.

### 1.4 Emergency telephone number

#### National advisory body/Poison Centre

**Telephone number** : To be filled by local business.

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Product definition** : Mixture

#### Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Eye Dam. 1, H318

Classification to this product is given according to the Calculation Method, taking into account the exact concentration of the components.

See Section 16 for the full text of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

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5

## SECTION 2: Hazards identification

### 2.2 Label elements

**Hazard pictograms** :



**Signal word** : Danger

**Hazard statements** : Causes serious eye damage.

**Precautionary statements**

**General** : Keep out of reach of children. If medical advice is needed, have product container or label at hand.

**Prevention** : Do not get in eyes, on skin, or on clothing. Wear eye or face protection.

**Response** : 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 or physician.  
IF SWALLOWED: Call a POISON CENTER if you feel unwell.

**Storage** : Not applicable.

**Disposal** : Not applicable.

**Hazardous ingredients** : hydrogen peroxide solution  
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts  
Alcohols, C12-14, ethoxylated

**Supplemental label elements** : **Composition:**  
5-15%: Oxygen Based Bleaching Agents, Non-ionic Surfactants, Anionic Surfactants  
<5%: Perfume, Hexyl Cinnamal

**Additional safety advices:**

If in contact with skin whitening may occur, do not be alarmed.  
The whitening effect is temporary and reversible. In case of splashing, rinse immediately with plenty of water. For sensitive skin, the use of gloves is recommended. Do not mix with other products.

**Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles** : None

**Special packaging requirements**

**Containers to be fitted with child-resistant fastenings** : Not applicable.

**Tactile warning of danger** : Not applicable.

### 2.3 Other hazards

**Other hazards which do not result in classification** : None known.

**Additional information** : None known.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures : Mixture

Product/ingredient name	Identifiers	%	Regulation (EC) No. 1272/2008 [CLP]	Type
Hydrogen peroxide solution	REACH #: 01-2119485845-22 EC: 231-765-0 CAS: 7722-84-1 Index: 008-003-00-9	≤8.3	Ox. Liq. 1, H271 Acute Tox. 4, H302 Acute Tox. 4, H332 Skin Corr. 1A, H314 Eye Dam. 1, H318 STOT SE 3, H335 Aquatic Chronic 3, H412	[1]
Alcohols, C12-16, ethoxylated	EC: 500-221-7 CAS: 68551-12-2	≤10	Acute Tox. 4, H302 Eye Dam. 1, H318	[1]
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	REACH #: 01-2119489428-22 EC: 270-115-0 CAS: 68411-30-3	≤7.6	Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412	[1]
Alcohols, C12-14, ethoxylated	CAS: 68439-50-9	≤5	Acute Tox. 4, H302 Eye Dam. 1, H318 Aquatic Chronic 3, H412	[1]
Oxirane, methyl-, polymer with oxirane, monoisotridecyl ether, block	CAS: 196823-11-7	≤3	Eye Irrit. 2, H319	[1]
Alcohols, C12-15, branched and linear, ethoxylated	CAS: 106232-83-1	≤0.3	Eye Dam. 1, H318 Aquatic Acute 1, H400 (M=1) <b>See Section 16 for the full text of the H statements declared above.</b>	[1]

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

#### Type

- [1] Substance classified with a health or environmental hazard
- [2] Substance with a workplace exposure limit
- [3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII
- [4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII
- [5] Substance of equivalent concern

Occupational exposure limits, if available, are listed in Section 8.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

- Eye contact** : Get medical attention immediately. Call a poison center or physician. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician.
- Inhalation** : Get medical attention immediately. Call a poison center or physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

## SECTION 4: First aid measures

- Skin contact** : Get medical attention immediately. Call a poison center or physician. Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Ingestion** : Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

### 4.2 Most important symptoms and effects, both acute and delayed

#### Over-exposure signs/symptoms

- Eye contact** : Adverse symptoms may include the following:  
pain  
watering  
redness
- Inhalation** : No specific data.
- Skin contact** : Adverse symptoms may include the following:  
pain or irritation  
redness  
blistering may occur
- Ingestion** : Adverse symptoms may include the following:  
stomach pains

### 4.3 Indication of any immediate medical attention and special treatment needed

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments** : No specific treatment.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

- Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.
- Unsuitable extinguishing media** : None known.

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

- Hazards from the substance or mixture** : In a fire, hazardous decomposition products may be produced.
- Hazardous thermal decomposition products** : No specific data.

## SECTION 5: Firefighting measures

### 5.3 Advice for firefighters

- Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

## SECTION 6: Accidental release measures

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

- For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Do not breathe vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
- For emergency responders** : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

### 6.2 Environmental precautions

- : Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities.

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

- Small spill** : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
- Large spill** : Stop leak if without risk. Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product.

### 6.4 Reference to other sections

- : See Section 1 for emergency contact information.  
See Section 8 for information on appropriate personal protective equipment.  
See Section 13 for additional waste treatment information.

## SECTION 7: Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

### 7.1 Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). Do not get in eyes or on skin or clothing. Do not breathe vapour or mist. Do not ingest. Avoid release to the environment. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

## SECTION 7: Handling and storage

**Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

### 7.2 Conditions for safe storage, including any incompatibilities

Do not store above the following temperature: 40°C (104°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.

### 7.3 Specific end use(s)

**Recommendations** : Consumer use of washing and cleaning products  
**Industrial sector specific solutions** : Not available.

## SECTION 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance. Information is provided based on typical anticipated uses of the product. Additional measures might be required for bulk handling or other uses that could significantly increase worker exposure or environmental releases.

### 8.1 Control parameters

#### Occupational exposure limits

No exposure limit value known.

**Recommended monitoring procedures** : Not available.

#### DNELs/DMELs

Product/ingredient name	Type	Exposure	Value	Population	Effects
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	DNEL	Long term Inhalation	6 mg/m <sup>3</sup>	Workers	Systemic
	DNEL	Long term Inhalation	6 mg/m <sup>3</sup>	Workers	Local
	DNEL	Long term Dermal	85 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	1.5 mg/m <sup>3</sup>	Consumers	Systemic
	DNEL	Long term Inhalation	1.5 mg/m <sup>3</sup>	Consumers	Local
	DNEL	Long term Dermal	42.5 mg/kg bw/day	Consumers	Systemic
	DNEL	Long term Oral	0.425 mg/kg bw/day	Consumers	Systemic

#### PNECs

Product/ingredient name	Compartment Detail	Value	Method Detail
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	Fresh water	0.268 mg/l	Assessment Factors
	Marine water	0.027 mg/l	Assessment Factors
	Sewage Treatment Plant	3.43 mg/l	Assessment Factors
	Fresh water sediment	8.1 mg/kg	Assessment Factors
	Marine water sediment	6.8 mg/kg	Assessment Factors
	Soil	35 mg/kg	Sensitivity Distribution

## SECTION 8: Exposure controls/personal protection

### 8.2 Exposure controls

**Appropriate engineering controls** : If user operations generate dust, fumes, gas, vapour or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

#### Individual protection measures

**Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles and/or face shield. If inhalation hazards exist, a full-face respirator may be required instead.

#### Skin protection

**Hand protection** : Use chemical resistant gloves classified under Standard EN374 - Protective gloves against chemicals and micro-organisms.

Examples of preferred glove barrier materials include: Nitrile/butadiene rubber ("nitrile" or "NBR"); Chlorinated polyethylene; Butyl rubber; Polyethylene.

Examples of acceptable glove barrier materials include: Natural rubber ("latex"); Neoprene; Viton; Ethyl vinyl alcohol laminate ("EVAL").

A glove with a protection class of 4 or higher (breakthrough time greater than 120 minutes according to EN 374) is recommended. When only brief contact is expected, a glove with a protection class of 1 or higher (breakthrough time greater than 10 minutes according to EN 374) is recommended.

Gloves should be replaced regularly and if there is any sign of damage to the glove material. Always ensure that gloves are free from defects and that they are stored and used correctly. The performance or effectiveness of the glove may be reduced by physical/ chemical damage and poor maintenance.

NOTICE: The selection of a specific glove for a particular application and duration of use in a workplace should also take into account all relevant workplace factors such as, but not limited to: Other chemicals which may be handled, physical requirements (cut/puncture protection, dexterity, thermal protection), potential body reactions to glove materials, as well as the instructions/specifications provided by the glove supplier. Considering the parameters specified by the glove manufacturer, checks during use should be carried out to ensure the gloves are still retaining their protective properties.

**Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.  
Dir. 89/686/EEC and EN-ISO 20344 Cat. I.

**Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Respiratory protection** : Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

## SECTION 8: Exposure controls/personal protection

**Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Appearance

**Physical state** : Liquid.  
**Colour** : Pink Violet.  
**Odour** : Not available.  
**Odour threshold** : Not available.  
**pH** : 4 to 4.6 [Conc. (% w/w): 100%]  
**Melting point/freezing point** : Not available.  
**Initial boiling point and boiling range** : Not available.  
**Flash point** : > 60 C°  
**Evaporation rate** : Not available.  
**Flammability (solid, gas)** : Not applicable, (liquid).  
**Burning time** : Not applicable.  
**Burning rate** : Not applicable.  
**Upper/lower flammability or explosive limits** : Not applicable, considering single substances properties.  
**Vapour pressure** : Not available.  
**Vapour density** : Not available.  
**Density** : 1.03 to 1.05 g/cm<sup>3</sup> [20°C]  
**Solubility(ies)** : Easily soluble in the following materials: cold water and hot water.  
**Partition coefficient: n-octanol/ water** : Not applicable, complex mixture including surfactants. See section 12.3 for single substances values.  
**Decomposition temperature** : Not available.  
**Viscosity** : Dynamic (room temperature): 1000 to 1600 mPa·s  
**Explosive properties** : Not explosive, considering single substances properties.  
**Oxidising properties** : Not oxidizing, based on internal tests results.  
**Corrosivity Remarks** : Not corrosive, according to internal tests results

### 9.2 Other information

**Solubility in water** : Easily soluble in the following materials: Cold water and hot water.

No additional information.

## SECTION 10: Stability and reactivity

**10.1 Reactivity** : Contains HYDROGEN PEROXIDE which could decompose rapidly. See Sections 10.4 and 10.5.  
**10.2 Chemical stability** : Contains instable substances (HYDROGEN PEROXIDE).  
**10.3 Possibility of hazardous reactions** : Contains HYDROGEN PEROXIDE, a strong oxidizing reagent that reacts violently with reducing agents and, in case of fire or ignition, with combustible materials.  
**10.4 Conditions to avoid** : Do not put in contact with incompatible materials reported in section 10.5. Keep away from heat and direct sunlight. Avoid temperatures over 40 °C (104 °F) for prolonged time periods.



## SECTION 10: Stability and reactivity

**10.5 Incompatible materials** : acids  
alkalis  
reducing materials  
combustible materials  
organic materials  
metals and alloys.

**10.6 Hazardous decomposition products** : Contains HYDROGEN PEROXIDE which can decompose producing oxygen and heat.

**Instability Conditions** : See Section 10.4.

**Instability temperature** : See Section 10.4.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
hydrogen peroxide	LD50 Oral	Rat - Male, Female	805 mg/kg (70% H2O2 w/w)	-
Alcohols, C12-16, ethoxylated	LD50 Oral	Rat - Female	1650 mg/kg	-
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	LD50 Oral	Rat	940 mg/kg	-
Alcohols, C12-14, ethoxylated (3EO)	LD50 Oral LD50 Dermal	Rat Rat	1080 mg/kg >2000 mg/kg	- -
Oxirane, methyl-, polymer with oxirane, monoisotridecyl ether, block	LD50 Oral LD50 Oral	Rat Rat	500 mg/kg >2000 mg/kg	- -

**Conclusion/Summary** : Based on available data, the classification criteria are not met.

#### Acute toxicity estimates

Route	ATE value
Oral Inhalation (vapours)	>2000 mg/kg 137.5 mg/l

#### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
hydrogen peroxide	Eyes - Severe irritant	Rabbit	-	1 milligrams	-
Alcohols, C12-16, ethoxylated	Eyes - Moderate irritant	Rabbit	-	24 hours 100 microliters	-
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	Skin - Moderate irritant	Rabbit	-	0.5 Milliliters	-
Alcohols, C12-14, ethoxylated (3EO)	Eyes - Severe irritant	Rabbit	-	-	-
Oxirane, methyl-, polymer with oxirane, monoisotridecyl ether, block	Skin - Mild irritant	Rabbit	-	-	-
	Eyes - Irritant	Rabbit	-	-	-

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

## SECTION 11: Toxicological information

**Eyes** : Based on Calculation method: Causes serious eye irritation.

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

### Sensitisation

No known effect according to our database.

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

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

### Mutagenicity

No known effect according to our database.

**Conclusion/Summary** : Based on available data, the classification criteria are not met.

### Carcinogenicity

No known effect according to our database.

**Conclusion/Summary** : Based on available data, the classification criteria are not met.

### Reproductive toxicity

No known effect according to our database.

**Conclusion/Summary** : Based on available data, the classification criteria are not met.

### Teratogenicity

No known effect according to our database.

**Conclusion/Summary** : Based on available data, the classification criteria are not met.

### Specific target organ toxicity (single exposure)

Product/ingredient name	Category	Route of exposure	Target organs
hydrogen peroxide	Category 3	Not applicable.	Respiratory tract irritation

### Specific target organ toxicity (repeated exposure)

No known effect according to our database.

### Aspiration hazard

No known effect according to our database.

### Potential acute health effects

**Eye contact** : Causes serious eye damage.

**Inhalation** : No known significant effects or critical hazards.

**Skin contact** : No known significant effects or critical hazards.

**Ingestion** : No known significant effects or critical hazards.

### Symptoms related to the physical, chemical and toxicological characteristics

**Eye contact** : Adverse symptoms may include the following:  
pain  
watering  
redness

**Inhalation** : No specific data.

**Skin contact** : Adverse symptoms may include the following:  
pain or irritation  
redness  
blistering may occur

**Ingestion** : Adverse symptoms may include the following:  
stomach pains

## SECTION 11: Toxicological information

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

#### Short term exposure

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

#### Long term exposure

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

#### Potential chronic health effects

Not available.

**Conclusion/Summary** : Based on available data, the classification criteria are not met.

**General** : No known significant effects or critical hazards.

**Carcinogenicity** : No known significant effects or critical hazards.

**Mutagenicity** : No known significant effects or critical hazards.

**Teratogenicity** : No known significant effects or critical hazards.

**Developmental effects** : No known significant effects or critical hazards.

**Fertility effects** : No known significant effects or critical hazards.

**Other information** : Not available.

## SECTION 12: Ecological information

### 12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
hydrogen peroxide	Acute EC50 1.2 mg/l Marine water	Algae - Dunaliella tertiolecta - Exponential growth phase	72 hours
	Acute EC50 5.38 mg/l Fresh water	Algae - Pseudokirchneriella subcapitata	96 hours
	Acute EC50 2320 µg/l Fresh water	Daphnia - Daphnia magna - Neonate	48 hours
	Acute LC50 93 ppm Fresh water	Fish - Oncorhynchus mykiss	96 hours
	Chronic NOEC 989.7 ppm Fresh water	Fish - Oncorhynchus tshawytscha - Egg	43 days
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	Acute LC50 7300 µg/l	Fish - Oryzias latipes	96 hours
	Chronic NOEC 0.25 mg/l	Fish	90 days
Alcohols, C12-14, ethoxylated (3EO)	Acute EC50 >1 mg/l	Daphnia	48 hours
	Acute LC50 >1 mg/l	Fish - Cyprinus carpio	96 hours
Oxirane, methyl-, polymer with oxirane, monoisotridecyl ether, block	Acute EC50 10 to 100 mg/l	Aquatic plants	72 hours
	Acute LC50 1 to 10 mg/l	Fish - Brachydanio rerio	96 hours

**Conclusion/Summary** : Based on available data, the classification criteria are not met.

### 12.2 Persistence and degradability

No known effect according to our database.

## SECTION 12: Ecological information

**Conclusion/Summary** : The surfactants contained in this mixture comply with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

### 12.3 Bioaccumulative potential

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
hydrogen peroxide	-1.36	-	low
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	3.32	-	low
Alcohols, C12-14, ethoxylated (3EO)	-	237	low

### 12.4 Mobility in soil

**Soil/water partition coefficient (K<sub>oc</sub>)** : Not available.

**Mobility** : Not available.

### 12.5 Results of PBT and vPvB assessment

**PBT** : Not applicable.

**vPvB** : Not applicable.

**12.6 Other adverse effects** : No known significant effects or critical hazards.

## SECTION 13: Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

### 13.1 Waste treatment methods

#### Product

**Methods of disposal** : The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

**Hazardous waste** : The classification of the product may meet the criteria for a hazardous waste.

#### Packaging

**Methods of disposal** : The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

**Special precautions** : This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

## SECTION 14: Transport information

For long distance transport of bulk material or shrunk pallet take into consideration sections 7 and 10.

	ADR/RID	ADN	IMDG	IATA
<b>14.1 UN number</b>	Not Regulated	Not Regulated	Not Regulated	Not Regulated
<b>14.2 UN proper shipping name</b>	Not applicable.	Not applicable.	Not applicable.	Not applicable.
<b>14.3 Transport hazard class(es)</b>	Not applicable.	Not applicable.	Not applicable.	Not applicable.
<b>14.4 Packing group</b>	-	-	-	-
<b>14.5 Environmental hazards</b>	No.	No.	No.	No.
<b>Additional information</b>	-	-	-	-

**14.6 Special precautions for user** : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

## SECTION 15: Regulatory information

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

#### EU Regulation (EC) No. 1907/2006 (REACH)

##### Annex XIV - List of substances subject to authorisation

###### Annex XIV

None of the components are listed.

###### Substances of very high concern

None of the components are listed.

**Annex XVII - Restrictions** : None  
on the manufacture,  
placing on the market  
and use of certain  
dangerous substances,  
mixtures and articles

##### Other EU regulations

**Europe inventory** : All components are listed or exempted.

**Black List Chemicals (76/464/EEC)** : Not regulated.

##### Ozone depleting substances (1005/2009/EU)

Not listed.

##### Prior Informed Consent (PIC) (649/2012/EU)

Not listed.

##### Seveso Directive

Not regulated.

**15.2 Chemical safety assessment** : No Chemical Safety Assessment has been carried out.

## SECTION 16: Other information

✔ Indicates information that has changed from previously issued version.

### Abbreviations and acronyms

: ATE = Acute Toxicity Estimate  
 CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]  
 DMEL = Derived Minimal Effect Level  
 DNEL = Derived No Effect Level  
 EUH statement = CLP-specific Hazard statement  
 PBT = Persistent, Bioaccumulative and Toxic  
 PNEC = Predicted No Effect Concentration  
 RRN = REACH Registration Number  
 vPvB = Very Persistent and Very Bioaccumulative

### Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification	Justification
Eye Dam. 1, H318	Calculation method

### Full text of abbreviated H statements

H271	May cause fire or explosion; strong oxidiser.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H412	Harmful to aquatic life with long lasting effects.

### Full text of classifications [CLP/GHS]

Acute Tox. 4, H302	ACUTE TOXICITY (oral) - Category 4
Acute Tox. 4, H332	ACUTE TOXICITY (inhalation) - Category 4
Aquatic Acute 1, H400	ACUTE AQUATIC HAZARD - Category 1
Aquatic Chronic 3, H412	LONG-TERM AQUATIC HAZARD - Category 3
Eye Dam. 1, H318	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1
Eye Irrit. 2, H319	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2
Ox. Liq. 1, H271	OXIDISING LIQUIDS - Category 1
Skin Corr. 1A, H314	SKIN CORROSION/IRRITATION - Category 1A
Skin Irrit. 2, H315	SKIN CORROSION/IRRITATION - Category 2
STOT SE 3, H335	SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE (Respiratory tract irritation) - Category 3

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**Version** : 5

**Prepared by** : Reckitt Benckiser India Ltd  
 Plot No 48  
 Sector - 32  
 Institutional Area  
 Gurgaon, Haryana  
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**Revision comments** : Update of the SDS.

### Notice to reader

## SECTION 16: Other information

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

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