

**Ecobrite Oxy****SECTION 1: Identification of the substance/mixture and of the company/  
undertaking****1.1 Product identifier**

Product name : Ecobrite Oxy

Product code : 110894E

Product use : Bleach

**Product is for professional use only****1.2 Relevant identified uses of the substance or mixture and uses advised against**

Identified uses
Laundry aid (gasing). Automatic process
Uses advised against
None known.

**1.3 Details of the supplier of the safety data sheet**

**Manufacturer/ Distributor/** : Ecolab Ltd.  
**Importer** : David Murray John Building  
 UK-SN1 1NH Swindon, Wiltshire  
 England  
 Tel +44 (0)1793 511221  
 Fax +44 (0)1793 618552  
 CCS@ecolab.com

**1.4 Emergency telephone number****National advisory body/Poison Centre**

Telephone number : 0870 600 6266 (This service is only available to health professionals)

**Manufacturer/ Distributor/ Importer**

Telephone number : 01793 511221  
 Food & Beverage, Institutional, Agri - 01793 548888  
 Healthcare Leeds - 0113 2322480  
 Healthcare Swansea - 01252 717616

**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]**

Ox. Liq. 2, H272  
 Acute Tox. 4, H302  
 Eye Dam. 1, H318

**Classification according to Directive 1999/45/EC [DPD]**

The product is classified as dangerous according to Directive 1999/45/EC and its amendments.

**Classification** : Xn; R22  
 Xi; R41

**Human health hazards** : Harmful if swallowed. Risk of serious damage to eyes.

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

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

**2.2 Label elements**

## SECTION 2: Hazards identification

Hazard pictograms :



Signal word : Danger  
 Contains : Hydrogenperoxide  
 Hazard statements : H272 May intensify fire; oxidiser.  
 H302 Harmful if swallowed.  
 H318 Causes serious eye damage.

### Precautionary statements

**Prevention** : P210 - Keep away from heat, sparks, open flames and hot surfaces. - No smoking.  
 P220 - Keep away from clothing and other combustible materials.  
 P221 - Take any precaution to avoid mixing with reducing agents.  
 P280 - Wear eye/face protection.

**Response** : P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes.  
 Remove contact lenses, if present and easy to do. Continue rinsing.  
 P310 - Immediately call a POISON CENTER or doctor/physician.

### 2.3 Other hazards

Other hazards which do not result in classification : Not applicable.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

Product/ingredient name	Identifiers	%	Classification		Type
			67/548/EEC	Regulation (EC) No. 1272/2008 [CLP]	
Hydrogenperoxide	REACH #: 01-2119485845-22 EC: 231-765-0 CAS: 7722-84-1 Index: 008-003-00-9	8 - <35	O; R8 R5 Xn; R20/22 C; R35  See Section 16 for the full text of the R-phrases declared above.	Ox. Liq. 1, H271 Acute Tox. 4, H302 Acute Tox. 4, H332 Skin Corr. 1A, H314 STOT SE 3, H335  See Section 16 for the full text of the H statements declared above.	[1] [2]

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 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** : 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 15 minutes. Chemical burns must be treated promptly by a physician. Get medical attention immediately. Call a poison center or physician.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. 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. Get medical attention immediately. Call a poison center or physician.
- Skin contact** : Rinse immediately contaminated clothing and skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 15 minutes. Chemical burns must be treated promptly by a physician. Wash contaminated clothing before reusing. Clean shoes thoroughly before reuse. Get medical attention immediately. Call a poison center or physician.
- Ingestion** : Wash out mouth with water. Remove dentures if any. 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. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention immediately. Call a poison center or physician.
- 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.

**4.2 Most important symptoms and effects, both acute and delayed****Potential acute health effects**

- Eye contact** : Causes serious eye damage.
- Inhalation** : May give off gas, vapour or dust that is very irritating or corrosive to the respiratory system.
- Skin contact** : May cause skin irritation.
- Ingestion** : Harmful if swallowed. May cause burns to mouth, throat and stomach.

**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**

## **SECTION 4: First aid measures**

- 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** : In case of fire, use water spray (fog), foam, dry chemical, or CO<sub>2</sub>.
- Unsuitable extinguishing media** : None known.

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

- Hazards from the substance or mixture** : Oxidising material. May intensify fire. In a fire or if heated, a pressure increase will occur and the container may burst.
- Hazardous combustion products** : No specific data.

### **5.3 Advice for firefighters**

- Special precautions 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. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
- 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.

## **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. Keep unnecessary and unprotected personnel from entering. Try to avoid touching or walking through spilt material. Shut off all ignition sources. No flares, smoking or flames in hazard area. 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).

### **6.3 Methods and materials 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. Do not absorb in sawdust or other combustible material. It may lead to a fire risk when it dries out. Use spark-proof tools and explosion-proof equipment.

**SECTION 6: Accidental release measures**

- 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. Do not absorb in sawdust or other combustible material. It may lead to a fire risk when it dries out. Use spark-proof tools and explosion-proof equipment. 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. 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. Keep away from clothing, incompatible materials and combustible materials. Keep away from heat.
- Advice on general occupational hygiene** : Workers should wash hands and face before eating, drinking and smoking. See also Section 8 for additional information on hygiene measures.

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

- : Store between the following temperatures: 0 to 40°C (32 to 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. Separate from reducing agents and combustible materials. 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** : Not applicable until Exposure Scenarios for substances become available.  
**Industrial sector specific solutions** : Not applicable until Exposure Scenarios for substances become available.

**SECTION 8: Exposure controls/personal protection**

**8.1 Control parameters**

Occupational exposure limits

Product/ingredient name	Exposure limit values
Hydrogenperoxide	<b>EH40/2005 WELs (United Kingdom (UK), 12/2011).</b> STEL: 2.8 mg/m <sup>3</sup> 15 minutes. STEL: 2 ppm 15 minutes. TWA: 1.4 mg/m <sup>3</sup> 8 hours. TWA: 1 ppm 8 hours.

Derived effect levels

**SECTION 8: Exposure controls/personal protection**

No DNELs available for the mixture.

**Predicted effect concentrations**

No PNECs available for the mixture.

**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 (EN 166)** : Highly recommended : Goggles, face shield, or other full-face protection.

**Skin protection**

**Hand protection (EN 374)** : Recommended : Gloves - butyl rubber , nitrile rubber ( Breakthrough time: 1 - 4 hours ) .

**Body protection (EN 14605)** : 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.

**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 (EN 143, 14387)** : 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.

**Thermal hazards** : Not applicable.

**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** : Colourless.
- Odour** : Pungent
- Odour threshold** : Not applicable and/or not determined for the mixture.
- pH** : 2.5 to 2.9 [Conc. (% w/w): 100%]
- Melting point/freezing point** : Not applicable and/or not determined for the mixture.
- Initial boiling point and boiling range** : Not applicable and/or not determined for the mixture.
- Flash point** : > 100°C
- Evaporation rate** : Not applicable and/or not determined for the mixture.
- Flammability (solid, gas)** : Not applicable and/or not determined for the mixture.
- Burning time** : Not applicable and/or not determined for the mixture.

**SECTION 9: Physical and chemical properties**

<b>Burning rate</b>	: Not applicable and/or not determined for the mixture.
<b>Upper/lower flammability or explosive limits</b>	: Not applicable and/or not determined for the mixture.
<b>Vapour pressure</b>	: Not applicable and/or not determined for the mixture.
<b>Vapour density</b>	: Not applicable and/or not determined for the mixture.
<b>Relative density</b>	: 1.1 to 1.16
<b>Solubility(ies)</b>	: Easily soluble in the following materials: cold water and hot water.
<b>Partition coefficient: n-octanol/ water</b>	: Not applicable and/or not determined for the mixture.
<b>Auto-ignition temperature</b>	: Not applicable and/or not determined for the mixture.
<b>Decomposition temperature</b>	: Not applicable and/or not determined for the mixture.
<b>Viscosity</b>	: Dynamic (room temperature): 10 mPa·s
<b>Explosive properties</b>	: Not applicable.
<b>Oxidising properties</b>	: Yes.

**9.2 Other information**

No additional information.

**SECTION 10: Stability and reactivity**

<b>10.1 Reactivity</b>	: No specific test data related to reactivity available for this product or its ingredients.
<b>10.2 Chemical stability</b>	: The product is stable.
<b>10.3 Possibility of hazardous reactions</b>	: Hazardous reactions or instability may occur under certain conditions of storage or use. Conditions may include the following: contact with combustible materials Reactions may include the following: risk of causing or intensifying fire
<b>10.4 Conditions to avoid</b>	: Drying on clothing or other combustible materials may cause fire.
<b>10.5 Incompatible materials</b>	: Highly reactive or incompatible with the following materials: organic materials. Reactive or incompatible with the following materials: metals, acids and alkalis. Non-reactive or compatible with the following materials: moisture.
<b>10.6 Hazardous decomposition products</b>	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

**SECTION 11: Toxicological information****11.1 Information on toxicological effects****Acute toxicity**

Product/ingredient name	Result	Species	Dose	Exposure
Hydrogenperoxide	LD50 Dermal	Rabbit	>2000 mg/kg	-
	LD50 Oral	Rat	486 mg/kg	-

**Conclusion/Summary** : No known significant effects or critical hazards.

**Acute toxicity estimates**

**SECTION 11: Toxicological information**

Route	ATE value
Oral	1402.6 mg/kg
Inhalation (vapours)	31.75 mg/l

**Irritation/Corrosion**

**Conclusion/Summary** : No known significant effects or critical hazards.

**Sensitiser**

**Conclusion/Summary** : No known significant effects or critical hazards.

**Mutagenicity**

**Conclusion/Summary** : No known significant effects or critical hazards.

**Carcinogenicity**

**Conclusion/Summary** : No known significant effects or critical hazards.

**Reproductive toxicity**

**Conclusion/Summary** : No known significant effects or critical hazards.

**Teratogenicity**

**Conclusion/Summary** : No known significant effects or critical hazards.

**Specific target organ toxicity (single exposure)**

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

**Specific target organ toxicity (repeated exposure)**

No known significant effects or critical hazards.

**Aspiration hazard**

No known significant effects or critical hazards.

**Information on the likely routes of exposure** : No known significant effects or critical hazards.

**Potential acute health effects**

- Inhalation** : May give off gas, vapour or dust that is very irritating or corrosive to the respiratory system.
- Ingestion** : Harmful if swallowed. May cause burns to mouth, throat and stomach.
- Skin contact** : May cause skin irritation.
- Eye contact** : Causes serious eye damage.

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

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

**Delayed and immediate effects and also chronic effects from short and long term exposure**

**Short term exposure**



**SECTION 11: Toxicological information**

**Potential immediate effects** : No known significant effects or critical hazards.

**Potential delayed effects** : No known significant effects or critical hazards.

**Long term exposure**

**Potential immediate effects** : No known significant effects or critical hazards.

**Potential delayed effects** : No known significant effects or critical hazards.

**Potential chronic health effects**

**Conclusion/Summary** : No known significant effects or critical hazards.

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

**SECTION 12: Ecological information**

**12.1 Toxicity**

Product/ingredient name	Result	Species	Exposure
Hydrogenperoxide	Acute EC50 1.38 mg/l	Aquatic plants	72 hours

**Conclusion/Summary** : No known significant effects or critical hazards.

**12.2 Persistence and degradability**

**Conclusion/Summary** : Mainly inorganic product. Biodegradation information refers only to organic component(s).

**12.3 Bioaccumulative potential**

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
Hydrogenperoxide	-1.36	-	low

**12.4 Mobility in soil**

**Soil/water partition coefficient (K<sub>oc</sub>)** : Not determined for the mixture.

**Mobility** : Not determined for the mixture.

**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. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Significant quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. 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. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

**Hazardous waste** : Yes.

**European waste catalogue (EWC)**





Waste code	Waste designation
16 09 03*	peroxides, for example hydrogen peroxide

**Packaging**

**Methods of disposal** : The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled.

**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**

	ADR/RID	ADN/ADNR	IMDG	IATA
<b>14.1 UN number</b>	UN2014	UN2014	UN2014	UN2014
<b>14.2 UN proper shipping name</b>	HYDROGEN PEROXIDE, AQUEOUS SOLUTION	HYDROGEN PEROXIDE, AQUEOUS SOLUTION	HYDROGEN PEROXIDE, AQUEOUS SOLUTION	Hydrogen peroxide, aqueous solution
<b>14.3 Transport hazard class(es)</b>	5.1 (8) 	5.1 (8) 	5.1 (8) 	5.1 (8) 
<b>14.4 Packing group</b>	II	II	II	II
<b>14.5 Environmental hazards</b>	No.	No.	No.	No.
<b>14.6 Special precautions for user</b>	None.	None.	None.	None.

## **SECTION 14: Transport information**

**14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** : Not applicable.

## **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**

**Substances of very high concern**

None of the components are listed.

**Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles** : Not applicable.

**Other EU regulations**

**Ingredient declaration according to detergent regulation 648/2004/EC:**

≥ 30% oxygen-based bleaching agents

**National regulations**

**United Kingdom (UK)**

The Chemicals (Hazard Information and Packaging for Supply) Regulations.  
The Control of Substances Hazardous to Health Regulations.  
Health and Safety at Work Act.

**15.2 Chemical Safety Assessment** : This product contains substances for which Chemical Safety Assessments are still required.

## **SECTION 16: Other information**

☑ Indicates information that has changed from previously issued version.

**Abbreviations and acronyms** : ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway  
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road  
ATE = Acute Toxicity Estimate  
BCF = Bioconcentration Factor  
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]  
DNEL = Derived No Effect Level  
DPD = Dangerous Preparations Directive [1999/45/EC]  
EC = European Commission  
EUH statement = CLP-specific Hazard statement  
IATA = International Air Transport Association  
IBC = Intermediate Bulk Container  
IMDG = International Maritime Dangerous Goods  
LogPow = logarithm of the octanol/water partition coefficient  
MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
OEL = Occupational Exposure Limit  
PBT = Persistent, Bioaccumulative and Toxic

**Date of issue/Date of revision** : 14 January 2014

**11/12**

**SECTION 16: Other information**

PNEC = Predicted No Effect Concentration  
 REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation [Regulation (EC) No. 1907/2006]  
 RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail  
 REACH # = 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
Ox. Liq. 2, H272 Acute Tox. 4, H302 Eye Dam. 1, H318	Expert judgment Calculation method Calculation method

<b>Full text of abbreviated H statements</b>	: H271 H272 H302 H314 H318 H332 H335	May cause fire or explosion; strong oxidiser. May intensify fire; oxidiser. Harmful if swallowed. Causes severe skin burns and eye damage. Causes serious eye damage. Harmful if inhaled. May cause respiratory irritation.
<b>Full text of classifications [CLP/GHS]</b>	: Acute Tox. 4, H302 Acute Tox. 4, H332 Eye Dam. 1, H318 Ox. Liq. 1, H271 Ox. Liq. 2, H272 Skin Corr. 1A, H314 STOT SE 3, H335	ACUTE TOXICITY: ORAL - Category 4 ACUTE TOXICITY: INHALATION - Category 4 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1 OXIDIZING LIQUIDS - Category 1 OXIDIZING LIQUIDS - Category 2 SKIN CORROSION/IRRITATION - Category 1A SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) [Respiratory tract irritation] - Category 3
<b>Full text of abbreviated R phrases</b>	: R8- Contact with combustible material may cause fire. R5- Heating may cause an explosion. R22- Harmful if swallowed. R20/22- Harmful by inhalation and if swallowed. R35- Causes severe burns. R41- Risk of serious damage to eyes.	
<b>Full text of classifications [DSD/DPD]</b>	: O - Oxidising C - Corrosive Xn - Harmful Xi - Irritant	
<b>Date of printing</b>	: 14 January 2014	
<b>Date of issue/ Date of revision</b>	: 14 January 2014	
<b>Date of previous issue</b>	: No previous validation	
<b>Version</b>	: 2	

**Notice to reader**

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