

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

Product form : Mixture  
 Trade name : Oxy Spotter  
 Product code : C185

**1.2. Relevant identified uses of the substance or mixture and uses advised against****1.2.1. Relevant identified uses**

Use of the substance/mixture : Carpet and fabric treatment for spot removal of organic water-based spots and stains

**1.2.2. Uses advised against**

No additional information available

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

Harris Research, Inc. 1530 North 1000 West Logan, UT 84321 USA 1-435-755-0099 1-800-424-9300 1-703-527-3887	Denmark, Norway, Sweden Chem-Dry Nordic Aps Munkegaardsvej 21 Kivstgaard, 3490 45-48-14-44-18 th@chemdry.dk	Chem-Dry France Parc d'activites "Le Prieure" RuePaulin Viry 37530 Poce-sur-Cisse +33 761 8906 79 a.baba@chemdry-france.fr
Chem-Dry of Ireland LTD Unit 30 Tolka Valley Business Park Ballyboggan Road, Glasnevin Dublin, DN011 353 1 830 3940 john@chemdry.ie	Chem-Dry Luxembourg S.A. Rue De La Continentale Zac Zaemer Bascharage, L-4917 652 26 35 00 20 info@chemdry.lu	Netherlands, Belgium, Germany Chem-Dry Netherlands BV Vijfhuizenberg 127 Roosendaal, 4708 AJ 31(0)165-570 610 info@chemdry.nl
Portugal/Angola Ambiclean-Limpeza De Alcatifas, LDA Rua Samaora Machel N 3-D Urbanizacoa Alto Da Eira Sta Iria Da Azoia, 2695-395 351 21 953 00 33 info@chemdryportugal.com	Switzerland/Lichtenstein Chem-Dry Switzerland Kellerhofstrasse 11 Elgg, 8353 (41)523643031 liz.prohaska@procamed.ch	UK/England/Scotland/Wales Chem-Dry® Franchising Ltd. Belprin Road Beverley, East Yorkshire HU17 0LP 44 01482 678 645 e.info@chemdry.co.uk

**1.4. Emergency telephone number**

Emergency number : Chemtrec (800) 424-9300  
 Chemtrec (Outside USA) +1 703-527-3887

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Eye Dam. 1 H318

Full text of H-phrases: see section 16

**Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]**

Xi; R36

R52/53

Full text of R-phrases: see section 16

**Adverse physicochemical, human health and environmental effects**

No additional information available

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according to Regulation (EC) No. 453/2010

### 2.2. Label elements

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

Hazard pictograms (CLP) :



GHS05

Signal word (CLP) :

Danger

Hazard statements (CLP) :

H318 - Causes serious eye damage

Precautionary statements (CLP) :

P280 - Wear eye protection, protective gloves, protective clothing  
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, a doctor

### 2.3. Other hazards

No additional information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substance

Not applicable

### 3.2. Mixture

Name	Product identifier	%	Classification according to Directive 67/548/EEC
2,5-Furandione, telomer with ethenylbenzene and (1-methylethyl)benzene, sodium salt	(CAS No) 52500-92-2	<7	Xi; R36
Sodium lauryl sulfate	(CAS No) 151-21-3 (EC no) 205-788-1	5	Xn; R21/22 N; R51/53 Xi; R41 Xi; R37/38
Hydrogen peroxide	(CAS No) 7722-84-1 (EC no) 231-765-0 (EC index no) 008-003-00-9	<3	Xn; R20/22 C; R35 R5 O; R8
Ethanol substance with national workplace exposure limit(s) (AT, BE, BG, CZ, DE, DK, ES, ET, FI, FR, GB, GR, HU, IE, IT, LT, LV, NL, PL, PT, RO, SE, SK)	(CAS No) 64-17-5 (EC no) 200-578-6 (EC index no) 603-002-00-5 (REACH-no) 01-2119457610-43-XXXX	1	F; R11
Isopropyl alcohol	(CAS No) 67-63-0 (EC no) 200-661-7 (EC index no) 603-117-00-0	1	F; R11 Xi; R36 R67

Name	Product identifier	Specific concentration limits
Hydrogen peroxide	(CAS No) 7722-84-1 (EC no) 231-765-0 (EC index no) 008-003-00-9	(5 =< C < 8) Xi;R36 (8 =< C < 50) Xi;R41 (C >= 8) Xn;R22 (35 =< C < 50) Xi;R37/38 (C >= 50) O;R8 (50 =< C < 70) C;R34 (C >= 50) Xn;R20 (C >= 70) C;R35 (C >= 70) R5

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
2,5-Furandione, telomer with ethenylbenzene and (1-methylethyl)benzene, sodium salt	(CAS No) 52500-92-2	<7	Eye Irrit. 2, H319
Sodium lauryl sulfate	(CAS No) 151-21-3 (EC no) 205-788-1	5	Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Dermal), H311 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412
Hydrogen peroxide	(CAS No) 7722-84-1 (EC no) 231-765-0 (EC index no) 008-003-00-9	<3	Ox. Liq. 1, H271 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation), H332 Skin Corr. 1A, H314 Eye Dam. 1, H318 STOT SE 3, H335 Aquatic Chronic 3, H412

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Ethanol substance with national workplace exposure limit(s) (AT, BE, BG, CZ, DE, DK, ES, ET, FI, FR, GB, GR, HU, IE, IT, LT, LV, NL, PL, PT, RO, SE, SK)	(CAS No) 64-17-5 (EC no) 200-578-6 (EC index no) 603-002-00-5 (REACH-no) 01-2119457610-43-XXXX	1	Flam. Liq. 2, H225
Isopropyl alcohol	(CAS No) 67-63-0 (EC no) 200-661-7 (EC index no) 603-117-00-0	1	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
Name	Product identifier	Specific concentration limits	
Hydrogen peroxide	(CAS No) 7722-84-1 (EC no) 231-765-0 (EC index no) 008-003-00-9	(5 =< C < 8) Eye Irrit. 2, H319 (8 =< C < 50) Eye Dam. 1, H318 (C >= 35) STOT SE 3, H335 (35 =< C < 50) Skin Irrit. 2, H315 (50 =< C < 70) Ox. Liq. 2, H272 (50 =< C < 70) Skin Corr. 1B, H314 (C >= 70) Ox. Liq. 1, H271 (C >= 70) Skin Corr. 1A, H314	

Full text of R- and H-phrases: see section 16

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

- First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
- First-aid measures after inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, give artificial respiration. by trained personnel. In all cases of doubt, or when symptoms persist, seek medical advice.
- First-aid measures after skin contact : Immediately flush the contact area with plenty of water. Remove/Take off immediately all contaminated clothing. Seek medical attention if irritation develops.
- First-aid measures after eye contact : Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if pain, blinking or redness persist.
- First-aid measures after ingestion : Ingestion is not considered a potential route of exposure. If swallowed, rinse mouth with water (only if the person is conscious). Call a POISON CENTER or doctor/physician. Careful evacuation of stomach by medical personnel imperative . Do not induce vomiting. Give water or milk if the person is fully conscious. Get medical advice/ attention.

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

- Symptoms/injuries after inhalation : Inhalation of vapours or spray/mists. May cause irritation to the respiratory tract and to other mucous membranes.
- Symptoms/injuries after skin contact : Skin contact may aggravate an existing dermatitis condition. Frequent or prolonged contact with skin may cause dermal irritation, redness or dry skin.
- Symptoms/injuries after eye contact : Causes serious eye damage. Burning sensation.
- Symptoms/injuries after ingestion : Ingestion: harmful.

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

No additional information available

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

- Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire. Use dry chemical, foam, carbon dioxide or water fog.

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

No additional information available

#### 5.3. Advice for firefighters

- Firefighting instructions : Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment. Evacuate the personnel away from the fumes. Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries. Cool closed containers exposed to fire with water spray.
- Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection. Wear a self contained breathing apparatus.
- Other information : Thermal decomposition generates : carbon oxides (CO and CO<sub>2</sub>). Hydrogen sulfide. Sulfur oxides. Contains hydrogen peroxide, will not burn but decomposition will generate oxygen that increases the explosive limits, enhances the burning rate and may initiate fire in combustion materials.

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### SECTION 6: Accidental release measures

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

General measures : Avoid breathing mist or vapor . Special danger of slipping by leaking/spilling product.

##### 6.1.1. For non-emergency personnel

Protective equipment : Refer to section 8. Avoid contact with the skin and the eyes.

Emergency procedures : Evacuate unnecessary personnel.

##### 6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Evacuate unnecessary personnel. Ventilate area.

#### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

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

Methods for cleaning up : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Contain and/or absorb spill with inert material (sand, vermiculite or other appropriate material), then place in suitable container. Store away from other materials. Ensure all national/local regulations are observed. Consult the appropriate authorities about waste disposal. Dilute residue with water. Dispose of waste according to applicable legislation. Avoid contact with eyes, skin and clothing.

#### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : Obtain special instructions before use. Use only with adequate ventilation. Keep away from heat and direct sunlight. Avoid breathing dust, mist or spray. Avoid contact with eyes, skin, and clothing. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

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

Technical measures : A washing facility/water for eye and skin cleaning purposes should be present. Provide local exhaust to maintain dust levels below exposure limits.

Storage conditions : Keep locked up and out of reach of children. Keep only in the original container in a cool well ventilated place. Store in dry protected location to prevent any moisture contact. Avoid Freezing. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Contains hydrogen peroxide. Keep out of direct sunlight.

Incompatible materials : Keep away from strong acids, strong bases and oxidizing agents.

Maximum storage period : 12 months @ 4.4 °C (39.9 °F)

Storage temperature : 4.4 - 54.4 °C Minimum: 4.4 °C (39.9 °F)  
Maximum: 54.4 °C (129.9 °F)

#### 7.3. Specific end use(s)

No additional information available

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

Hydrogen peroxide (7722-84-1)		
Austria	MAK (mg/m <sup>3</sup> )	1.4 mg/m <sup>3</sup>
Austria	MAK (ppm)	1 ppm
Austria	MAK Short time value (mg/m <sup>3</sup> )	2.8 mg/m <sup>3</sup>
Austria	MAK Short time value (ppm)	2 ppm
Belgium	Limit value (mg/m <sup>3</sup> )	1.4 mg/m <sup>3</sup>
Belgium	Limit value (ppm)	1 ppm
Bulgaria	OEL TWA (mg/m <sup>3</sup> )	1.5 mg/m <sup>3</sup>
Croatia	GVI (granična vrijednost izloženosti) (mg/m <sup>3</sup> )	1.4 mg/m <sup>3</sup>
Croatia	GVI (granična vrijednost izloženosti) (ppm)	1 ppm
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (mg/m <sup>3</sup> )	2.8 mg/m <sup>3</sup>
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (ppm)	2 ppm
Czech Republic	Expoziční limity (PEL) (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup>
Denmark	Grænseværdie (langvarig) (mg/m <sup>3</sup> )	1.4 mg/m <sup>3</sup>
Denmark	Grænseværdie (langvarig) (ppm)	1 ppm

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<b>Hydrogen peroxide (7722-84-1)</b>		
Estonia	OEL TWA (mg/m <sup>3</sup> )	1.4 mg/m <sup>3</sup>
Estonia	OEL TWA (ppm)	1 ppm
Estonia	OEL Ceiling (mg/m <sup>3</sup> )	3 mg/m <sup>3</sup>
Estonia	OEL Ceiling (ppm)	2 ppm
Finland	HTP-arvo (8h) (mg/m <sup>3</sup> )	1.4 mg/m <sup>3</sup> (also solutions)
Finland	HTP-arvo (8h) (ppm)	1 ppm (also solutions)
Finland	HTP-arvo (15 min)	4.2 mg/m <sup>3</sup>
Finland	HTP-arvo (15 min) (ppm)	3 ppm
France	VME (mg/m <sup>3</sup> )	1.5 mg/m <sup>3</sup>
France	VME (ppm)	1 ppm
Greece	OEL TWA (mg/m <sup>3</sup> )	1.4 mg/m <sup>3</sup>
Greece	OEL TWA (ppm)	1 ppm
Greece	OEL STEL (mg/m <sup>3</sup> )	3 mg/m <sup>3</sup>
Ireland	OEL (8 hours ref) (mg/m <sup>3</sup> )	1.5 mg/m <sup>3</sup>
Ireland	OEL (8 hours ref) (ppm)	1 ppm
Ireland	OEL (15 min ref) (mg/m <sup>3</sup> )	3 mg/m <sup>3</sup>
Ireland	OEL (15 min ref) (ppm)	2 ppm
Lithuania	IPRV (mg/m <sup>3</sup> )	1.4 mg/m <sup>3</sup>
Lithuania	IPRV (ppm)	1 ppm
Lithuania	NRV (mg/m <sup>3</sup> )	3 mg/m <sup>3</sup>
Lithuania	NRV (ppm)	2 ppm
Poland	NDS (mg/m <sup>3</sup> )	1.5 mg/m <sup>3</sup>
Poland	NDSch (mg/m <sup>3</sup> )	4 mg/m <sup>3</sup>
Portugal	OEL TWA (ppm)	1 ppm
Slovakia	NPHV (priemerná) (mg/m <sup>3</sup> )	1.4 mg/m <sup>3</sup>
Slovakia	NPHV (priemerná) (ppm)	1 ppm
Slovakia	NPHV (Hraničná) (mg/m <sup>3</sup> )	2.8 mg/m <sup>3</sup>
Slovenia	OEL TWA (mg/m <sup>3</sup> )	1.4 mg/m <sup>3</sup>
Slovenia	OEL TWA (ppm)	1 ppm
Slovenia	OEL STEL (mg/m <sup>3</sup> )	1.4 mg/m <sup>3</sup>
Slovenia	OEL STEL (ppm)	1 ppm
Spain	VLA-ED (mg/m <sup>3</sup> )	1.4 mg/m <sup>3</sup>
Spain	VLA-ED (ppm)	1 ppm
Sweden	nivågränsvärde (NVG) (mg/m <sup>3</sup> )	1.4 mg/m <sup>3</sup>
Sweden	nivågränsvärde (NVG) (ppm)	1 ppm
Sweden	takgränsvärde (TGV) (mg/m <sup>3</sup> )	3 mg/m <sup>3</sup>
Sweden	takgränsvärde (TGV) (ppm)	2 ppm
United Kingdom	WEL TWA (mg/m <sup>3</sup> )	1.4 mg/m <sup>3</sup>
United Kingdom	WEL TWA (ppm)	1 ppm
United Kingdom	WEL STEL (mg/m <sup>3</sup> )	2.8 mg/m <sup>3</sup>
United Kingdom	WEL STEL (ppm)	2 ppm
Norway	Gjennomsnittsverdier (AN) (mg/m <sup>3</sup> )	1.4 mg/m <sup>3</sup>
Norway	Gjennomsnittsverdier (AN) (ppm)	1 ppm
Norway	Gjennomsnittsverdier (Korttidsverdi) (mg/m <sup>3</sup> )	2.8 mg/m <sup>3</sup>
Norway	Gjennomsnittsverdier (Korttidsverdi) (ppm)	3 ppm
Australia	TWA (mg/m <sup>3</sup> )	1.4 mg/m <sup>3</sup>
Australia	TWA (ppm)	1.4 mg/m <sup>3</sup>
<b>Ethanol (64-17-5)</b>		
Austria	MAK (mg/m <sup>3</sup> )	1900 mg/m <sup>3</sup>
Austria	MAK (ppm)	1000 ppm

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Ethanol (64-17-5)		
Austria	MAK Short time value (mg/m <sup>3</sup> )	3800 mg/m <sup>3</sup>
Austria	MAK Short time value (ppm)	2000 ppm
Belgium	Limit value (mg/m <sup>3</sup> )	1907 mg/m <sup>3</sup>
Belgium	Limit value (ppm)	1000 ppm
Bulgaria	OEL TWA (mg/m <sup>3</sup> )	1000 mg/m <sup>3</sup>
Croatia	GVI (granična vrijednost izloženosti) (mg/m <sup>3</sup> )	1900 mg/m <sup>3</sup>
Croatia	GVI (granična vrijednost izloženosti) (ppm)	1000 ppm
Czech Republic	Expoziční limity (PEL) (mg/m <sup>3</sup> )	1000 mg/m <sup>3</sup>
Czech Republic	Expoziční limity (PEL) (ppm)	530 ppm
Czech Republic	Expoziční limity (NPK-P) (mg/m <sup>3</sup> )	3000 mg/m <sup>3</sup>
Czech Republic	Expoziční limity (NPK-P) (ppm)	1590 ppm
Denmark	Grænseværdie (langvarig) (mg/m <sup>3</sup> )	1900 mg/m <sup>3</sup>
Denmark	Grænseværdie (langvarig) (ppm)	1000 ppm
Denmark	Grænseværdie (kortvarig) (mg/m <sup>3</sup> )	3800 mg/m <sup>3</sup>
Denmark	Grænseværdie (kortvarig) (ppm)	2000 ppm
Estonia	OEL TWA (mg/m <sup>3</sup> )	1000 mg/m <sup>3</sup>
Estonia	OEL TWA (ppm)	500 ppm
Estonia	OEL STEL (mg/m <sup>3</sup> )	1900 mg/m <sup>3</sup>
Estonia	OEL STEL (ppm)	1000 ppm
Finland	HTP-arvo (8h) (mg/m <sup>3</sup> )	1900 mg/m <sup>3</sup>
Finland	HTP-arvo (8h) (ppm)	1000 ppm
Finland	HTP-arvo (15 min)	2500 mg/m <sup>3</sup>
Finland	HTP-arvo (15 min) (ppm)	1300 ppm
France	VME (mg/m <sup>3</sup> )	1900 mg/m <sup>3</sup>
France	VME (ppm)	1000 ppm
France	VLE (mg/m <sup>3</sup> )	9500 mg/m <sup>3</sup>
France	VLE (ppm)	5000 ppm
Germany	TRGS 900 Occupational exposure limit value (mg/m <sup>3</sup> )	960 mg/m <sup>3</sup>
Germany	TRGS 900 Occupational exposure limit value (ppm)	500 ppm
Greece	OEL TWA (mg/m <sup>3</sup> )	1900 mg/m <sup>3</sup>
Greece	OEL TWA (ppm)	1000 ppm
Hungary	AK-érték	1900 mg/m <sup>3</sup>
Hungary	CK-érték	7600 mg/m <sup>3</sup>
Ireland	OEL (8 hours ref) (mg/m <sup>3</sup> )	1900 mg/m <sup>3</sup>
Ireland	OEL (8 hours ref) (ppm)	1000 ppm
Ireland	OEL (15 min ref) (ppm)	1000 ppm
Latvia	OEL TWA (mg/m <sup>3</sup> )	1000 mg/m <sup>3</sup>
Lithuania	IPRV (mg/m <sup>3</sup> )	1000 mg/m <sup>3</sup>
Lithuania	IPRV (ppm)	500 ppm
Lithuania	TPRV (mg/m <sup>3</sup> )	1900 mg/m <sup>3</sup>
Lithuania	TPRV (ppm)	1000 ppm
Lithuania	NRV (mg/m <sup>3</sup> )	1900 mg/m <sup>3</sup>
Lithuania	NRV (ppm)	1000 ppm
Netherlands	Grenswaarde TGG 8H (mg/m <sup>3</sup> )	260 mg/m <sup>3</sup>
Netherlands	Grenswaarde TGG 15MIN (mg/m <sup>3</sup> )	1900 mg/m <sup>3</sup>
Poland	NDS (mg/m <sup>3</sup> )	1900 mg/m <sup>3</sup>
Portugal	OEL TWA (ppm)	1000 ppm
Romania	OEL TWA (mg/m <sup>3</sup> )	1900 mg/m <sup>3</sup>
Romania	OEL TWA (ppm)	1000 ppm
Romania	OEL STEL (mg/m <sup>3</sup> )	9500 mg/m <sup>3</sup>
Romania	OEL STEL (ppm)	5000 ppm
Slovakia	NPHV (priemerná) (mg/m <sup>3</sup> )	960 mg/m <sup>3</sup>

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<b>Ethanol (64-17-5)</b>		
Slovakia	NPHV (priemerná) (ppm)	500 ppm
Slovakia	NPHV (Hraničná) (mg/m <sup>3</sup> )	1920 mg/m <sup>3</sup>
Slovakia	Upozornenie (SK)	krátkodobý kategória II.
Slovenia	OEL TWA (mg/m <sup>3</sup> )	1900 mg/m <sup>3</sup>
Slovenia	OEL TWA (ppm)	1000 ppm
Slovenia	OEL STEL (mg/m <sup>3</sup> )	7600 mg/m <sup>3</sup>
Slovenia	OEL STEL (ppm)	4000 ppm
Spain	VLA-ED (mg/m <sup>3</sup> )	1910 mg/m <sup>3</sup>
Spain	VLA-ED (ppm)	1000 ppm
Spain	VLA-EC (mg/m <sup>3</sup> )	1910 mg/m <sup>3</sup>
Spain	VLA-EC (ppm)	1000 ppm
Sweden	nivågränsvärde (NVG) (mg/m <sup>3</sup> )	1000 mg/m <sup>3</sup>
Sweden	nivågränsvärde (NVG) (ppm)	500 ppm
Sweden	kortidsvärde (KTV) (mg/m <sup>3</sup> )	1900 mg/m <sup>3</sup>
Sweden	kortidsvärde (KTV) (ppm)	1000 ppm
United Kingdom	WEL TWA (mg/m <sup>3</sup> )	1920 mg/m <sup>3</sup>
United Kingdom	WEL TWA (ppm)	1000 ppm
United Kingdom	WEL STEL (mg/m <sup>3</sup> )	5760 mg/m <sup>3</sup> (calculated)
United Kingdom	WEL STEL (ppm)	3000 ppm (calculated)
Norway	Gjennomsnittsverdier (AN) (mg/m <sup>3</sup> )	950 mg/m <sup>3</sup>
Norway	Gjennomsnittsverdier (AN) (ppm)	500 ppm
Norway	Gjennomsnittsverdier (Korttidsverdi) (mg/m <sup>3</sup> )	1187.5 mg/m <sup>3</sup>
Norway	Gjennomsnittsverdier (Korttidsverdi) (ppm)	625 ppm
Australia	TWA (mg/m <sup>3</sup> )	1920 mg/m <sup>3</sup>
Australia	TWA (ppm)	1000 ppm
<b>Isopropyl alcohol (67-63-0)</b>		
Austria	MAK (mg/m <sup>3</sup> )	500 mg/m <sup>3</sup> (short time value for large casting)
Austria	MAK (ppm)	200 ppm (short time value for large casting)
Austria	MAK Short time value (mg/m <sup>3</sup> )	2000 mg/m <sup>3</sup> 2000 mg/m <sup>3</sup> (STEL for large casting valid till 12/31/2013)
Austria	MAK Short time value (ppm)	800 ppm 800 ppm (STEL for large casting valid till 12/31/2013)
Belgium	Limit value (mg/m <sup>3</sup> )	500 mg/m <sup>3</sup>
Belgium	Limit value (ppm)	200 ppm
Belgium	Short time value (mg/m <sup>3</sup> )	1000 mg/m <sup>3</sup>
Belgium	Short time value (ppm)	400 ppm
Bulgaria	OEL TWA (mg/m <sup>3</sup> )	980.0 mg/m <sup>3</sup>
Bulgaria	OEL STEL (mg/m <sup>3</sup> )	1225.0 mg/m <sup>3</sup>
Croatia	GVI (granična vrijednost izloženosti) (mg/m <sup>3</sup> )	999 mg/m <sup>3</sup>
Croatia	GVI (granična vrijednost izloženosti) (ppm)	400 ppm
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (mg/m <sup>3</sup> )	1250 mg/m <sup>3</sup>
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (ppm)	500 ppm
Czech Republic	Expoziční limity (PEL) (mg/m <sup>3</sup> )	500 mg/m <sup>3</sup>
Denmark	Grænseværdie (langvarig) (mg/m <sup>3</sup> )	490 mg/m <sup>3</sup>
Denmark	Grænseværdie (langvarig) (ppm)	200 ppm
Estonia	OEL TWA (mg/m <sup>3</sup> )	350 mg/m <sup>3</sup>
Estonia	OEL TWA (ppm)	150 ppm
Estonia	OEL STEL (mg/m <sup>3</sup> )	600 mg/m <sup>3</sup>
Estonia	OEL STEL (ppm)	250 ppm
Finland	HTP-arvo (8h) (mg/m <sup>3</sup> )	500 mg/m <sup>3</sup>
Finland	HTP-arvo (8h) (ppm)	200 ppm

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Isopropyl alcohol (67-63-0)		
Finland	HTP-arvo (15 min)	620 mg/m <sup>3</sup>
Finland	HTP-arvo (15 min) (ppm)	250 ppm
France	VLE (mg/m <sup>3</sup> )	980 mg/m <sup>3</sup>
France	VLE (ppm)	400 ppm
Germany	TRGS 900 Occupational exposure limit value (mg/m <sup>3</sup> )	500 mg/m <sup>3</sup> (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Germany	TRGS 900 Occupational exposure limit value (ppm)	200 ppm (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Germany	TRGS 903 (BGW)	25 mg/l (Medium: whole blood - Time: end of shift - Parameter: Acetone) 25 mg/l (Medium: urine - Time: end of shift - Parameter: Acetone)
Greece	OEL TWA (mg/m <sup>3</sup> )	980 mg/m <sup>3</sup>
Greece	OEL TWA (ppm)	400 ppm
Greece	OEL STEL (mg/m <sup>3</sup> )	1225 mg/m <sup>3</sup>
Greece	OEL STEL (ppm)	500 ppm
Hungary	AK-érték	500 mg/m <sup>3</sup>
Hungary	CK-érték	2000 mg/m <sup>3</sup>
Ireland	OEL (8 hours ref) (ppm)	200 ppm
Ireland	OEL (15 min ref) (ppm)	400 ppm
Latvia	OEL TWA (mg/m <sup>3</sup> )	350 mg/m <sup>3</sup>
Lithuania	IPRV (mg/m <sup>3</sup> )	350 mg/m <sup>3</sup>
Lithuania	IPRV (ppm)	150 ppm
Lithuania	TPRV (mg/m <sup>3</sup> )	600 mg/m <sup>3</sup>
Lithuania	TPRV (ppm)	250 ppm
Poland	NDS (mg/m <sup>3</sup> )	900 mg/m <sup>3</sup>
Poland	NDSch (mg/m <sup>3</sup> )	1200 mg/m <sup>3</sup>
Portugal	OEL TWA (ppm)	200 ppm
Portugal	OEL STEL (ppm)	400 ppm
Romania	OEL TWA (mg/m <sup>3</sup> )	200 mg/m <sup>3</sup>
Romania	OEL TWA (ppm)	81 ppm
Romania	OEL STEL (mg/m <sup>3</sup> )	500 mg/m <sup>3</sup>
Romania	OEL STEL (ppm)	203 ppm
Slovakia	NPHV (priemerná) (mg/m <sup>3</sup> )	500 mg/m <sup>3</sup>
Slovakia	NPHV (priemerná) (ppm)	200 ppm
Slovakia	NPHV (Hraničná) (mg/m <sup>3</sup> )	1000 mg/m <sup>3</sup>
Slovenia	OEL TWA (mg/m <sup>3</sup> )	500 mg/m <sup>3</sup>
Slovenia	OEL TWA (ppm)	200 ppm
Slovenia	OEL STEL (mg/m <sup>3</sup> )	2000 mg/m <sup>3</sup>
Slovenia	OEL STEL (ppm)	800 ppm
Spain	VLA-ED (mg/m <sup>3</sup> )	500 mg/m <sup>3</sup> (it is prohibited the partial or complete commercialization or use of this substance as a phytosanitary or biocide compound)
Spain	VLA-ED (ppm)	200 ppm (it is prohibited the partial or complete commercialization or use of this substance as a phytosanitary or biocide compound)
Spain	VLA-EC (mg/m <sup>3</sup> )	1000 mg/m <sup>3</sup>
Spain	VLA-EC (ppm)	400 ppm
Sweden	nivågränsvärde (NVG) (mg/m <sup>3</sup> )	350 mg/m <sup>3</sup>
Sweden	nivågränsvärde (NVG) (ppm)	150 ppm
Sweden	kortidsvärde (KTV) (mg/m <sup>3</sup> )	600 mg/m <sup>3</sup>
Sweden	kortidsvärde (KTV) (ppm)	250 ppm
United Kingdom	WEL TWA (mg/m <sup>3</sup> )	999 mg/m <sup>3</sup>
United Kingdom	WEL TWA (ppm)	400 ppm



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Isopropyl alcohol (67-63-0)		
United Kingdom	WEL STEL (mg/m <sup>3</sup> )	1250 mg/m <sup>3</sup>
United Kingdom	WEL STEL (ppm)	500 ppm
Norway	Gjennomsnittsverdier (AN) (mg/m <sup>3</sup> )	245 mg/m <sup>3</sup>
Norway	Gjennomsnittsverdier (AN) (ppm)	100 ppm
Norway	Gjennomsnittsverdier (Korttidsverdi) (mg/m <sup>3</sup> )	306.25 mg/m <sup>3</sup>
Norway	Gjennomsnittsverdier (Korttidsverdi) (ppm)	150 ppm
Australia	TWA (mg/m <sup>3</sup> )	983 mg/m <sup>3</sup>
Australia	TWA (ppm)	400
Australia	STEL (mg/m <sup>3</sup> )	1230 mg/m <sup>3</sup>
Australia	STEL (ppm)	500 ppm

### 8.2. Exposure controls

Appropriate engineering controls : Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Provide local exhaust or general room ventilation to minimize exposure to dust.

Personal protective equipment : Avoid all unnecessary exposure. The following pictograms represent the minimum requirements for personal protective equipment. Personal protective equipment should be selected based upon the conditions under which this product is handled or used. Protective goggles. Protective clothing. Gloves.



Hand protection : Wear protective gloves. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Eye protection : Eye protection, including both chemical splash goggles and face shield, must be worn when possibility exists for eye contact due to spraying liquid or airborne particles.

Skin and body protection : Wear suitable protective clothing. Wear protective shoes.

Respiratory protection : Where exposure through inhalation may occur from use, respiratory protection equipment is recommended.

Other information : Do not eat, drink or smoke during use.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Clear.
Colour	: Light amber.
Odour	: Characteristic of the fragrance contained.
Odour threshold	: No data available
pH	: 5 - 6.5
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: 100 °C (212 °F)
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 1 Specific Gravity
Solubility	: Water: Soluble
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available

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Oxidising properties : No data available  
Explosive limits : No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No additional information available

### 10.2. Chemical stability

Stable at ambient temperature and under normal conditions of use.

### 10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

### 10.4. Conditions to avoid

keep away from incompatible materials. Avoid Freezing. Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

### 10.5. Incompatible materials

Strong acids, bases. Oxidizing agent.

### 10.6. Hazardous decomposition products

Thermal decomposition generates : Carbon oxides (CO, CO<sub>2</sub>). Hydrogen sulfide. Other oxides and sulfates may form. Contains hydrogen peroxide, will not burn but decomposition will generate oxygen that increases the explosive limits, enhances the burning rate and may initiate fire in combustion materials.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified

Hydrogen peroxide (7722-84-1)	
LD50 oral rat	801 mg/kg
LD50 dermal rat	4060 mg/kg
LD50 dermal rabbit	2000 mg/kg
LC50 inhalation rat (mg/l)	2 g/m <sup>3</sup> (Exposure time: 4 h)

Ethanol (64-17-5)	
LC50 inhalation rat (mg/l)	124.7 mg/l/4h

Isopropyl alcohol (67-63-0)	
LD50 oral rat	1870 mg/kg
LD50 dermal rabbit	4059 mg/kg
LC50 inhalation rat (mg/l)	72600 mg/m <sup>3</sup> (Exposure time: 4 h)

Sodium lauryl sulfate (151-21-3)	
LD50 oral rat	1200 mg/kg
LD50 dermal rabbit	580 mg/kg
LC50 inhalation rat (mg/l)	> 3900 mg/m <sup>3</sup> (Exposure time: 1 h)

Skin corrosion/irritation : Not classified  
pH: 5 - 6.5

Serious eye damage/irritation : Causes serious eye damage.  
pH: 5 - 6.5

Respiratory or skin sensitisation : Not classified  
Based on available data, the classification criteria are not met.

Germ cell mutagenicity : Not classified  
Based on available data, the classification criteria are not met.

Carcinogenicity : Not classified  
Based on available data, the classification criteria are not met.

Reproductive toxicity : Not classified  
Based on available data, the classification criteria are not met.

Specific target organ toxicity (single exposure) : Not classified  
Based on available data, the classification criteria are not met.

Specific target organ toxicity (repeated exposure) : Not classified  
Based on available data, the classification criteria are not met.

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Aspiration hazard : Not classified  
Based on available data, the classification criteria are not met.

### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - water : Harmful to aquatic life with long lasting effects.

Hydrogen peroxide (7722-84-1)	
LC50 fishes 1	16.4 mg/l (Exposure time: 96 h - Species: Pimephales promelas)
EC50 Daphnia 1	18 - 32 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	18 - 56 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])

Ethanol (64-17-5)	
LC50 fishes 1	15300 mg/l (US EPA method E03-05, dynamic, 48h)
LC50 other aquatic organisms 1	5012 (Daphnia) (ASTME 729-80, static, 48h)
EC50 other aquatic organisms 2	5800 (Bacteria) ( Rajini, et al., 1989, 4h)
ErC50 (algae)	275 mg/l (OECD 201, 3d)
NOEC chronic fish	245 (QSAR, 30d)
NOEC chronic crustacea	9.6 mg/l (Daphnia) (Mount & Norberg, 1984, 9d)

Isopropyl alcohol (67-63-0)	
LC50 fishes 1	9640 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 Daphnia 1	13299 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 fish 2	11130 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])

Sodium lauryl sulfate (151-21-3)	
LC50 fishes 1	8 - 12.5 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 Daphnia 1	1.8 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 fish 2	15 - 18.9 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])

#### 12.2. Persistence and degradability

Oxy Spotter	
Persistence and degradability	May cause long-term adverse effects in the environment.

#### 12.3. Bioaccumulative potential

Oxy Spotter	
Bioaccumulative potential	Not established.

Hydrogen peroxide (7722-84-1)	
BCF fish 1	(no bioaccumulation)

Ethanol (64-17-5)	
Log Kow	-0.35 (Shake Flask method OECD 107)
Bioaccumulative potential	Due to the distribution coefficient n-octanol/wateran accumulation in organisms is not expected.

Isopropyl alcohol (67-63-0)	
Log Pow	0.05 (at 25 °C)

Sodium lauryl sulfate (151-21-3)	
BCF fish 1	(will not bioconcentrate)
Log Pow	1.6

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Results of PBT and vPvB assessment

Component	
Ethanol (64-17-5)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

#### 12.6. Other adverse effects

: Avoid release to the environment

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### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Dispose of waste in accordance with local regulations. Consult the appropriate local waste disposal expert about waste disposal.

Additional information : Empty container retains product residue.

Ecology - waste materials : Avoid release to the environment. Prevent contamination of soil, drains and surface waters.

### SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

#### 14.1. UN number

Not regulated for transport

#### 14.2. UN proper shipping name

No additional information available

#### 14.3. Transport hazard class(es)

No additional information available

#### 14.4. Packing group

No additional information available

#### 14.5. Environmental hazards

Other information : No supplementary information available

#### 14.6. Special precautions for user

No additional information available

#### 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

##### 15.1.1. EU-Regulations

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:

3. Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008	Oxy Spotter
3.a. Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F	Ethanol
3.b. Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10	Oxy Spotter
40. Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not.	Ethanol

Contains no substance on the REACH candidate list

##### 15.1.2. National regulations

No additional information available

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

### SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Full text of R-, H- and EUH-phrases:

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Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 4 (Inhalation)	Acute toxicity (inhalation) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids Category 2
Ox. Liq. 1	Oxidising Liquids, Category 1
Skin Corr. 1A	Skin corrosion/irritation Category 1A
Skin Irrit. 2	Skin corrosion/irritation Category 2
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H225	Highly flammable liquid and vapour
H271	May cause fire or explosion; strong oxidiser
H302	Harmful if swallowed
H311	Toxic in contact with skin
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
H336	May cause drowsiness or dizziness
H412	Harmful to aquatic life with long lasting effects
R11	Highly flammable
R20/22	Harmful by inhalation and if swallowed
R21/22	Harmful in contact with skin and if swallowed
R35	Causes severe burns
R36	Irritating to eyes
R37/38	Irritating to respiratory system and skin
R41	Risk of serious damage to eyes
R5	Heating may cause an explosion
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R67	Vapours may cause drowsiness and dizziness
R8	Contact with combustible material may cause fire
C	Corrosive
F	Highly flammable
N	Dangerous for the environment
O	Oxidising
Xi	Irritant
Xn	Harmful

SDS EU (REACH Annex II)

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