

# Chem-Dry All Fragrances

## Safety Data Sheet

According to Regulation (EC) No. 453/2010

Revision date: 14/01/2015

Date of issue: 14/01/2015

Supersedes date: 15/03/2012

Version: 1.0

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

### 1.1. Product identifier

Product form : Mixture  
Product Name : Chem-Dry (All Fragrances)  
Product code : C361-G, C361-CS, C362-G, C362-CS, C363-G, C363-CS, C364-G, C364-CS, C365-G, C365-CS

### 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 fragrances.

#### 1.2.2. Uses advised against

No additional information available

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

#### Supplier

Harris Research, Inc.  
1530 North 1000 West  
Logan, UT 84321 USA  
(435)755-0099

[www.chemdry.com](http://www.chemdry.com)

#### Chem-Dry France

Parc d'activites "Le Prieure"  
RuePaulin Viry  
37530 Poce-sur-Cisse  
+33 761 8906 79

[a.baba@chemdry-france.fr](mailto:a.baba@chemdry-france.fr)

#### Chem-Dry Luxembourg S.A

Rue De La Continentale  
Zac Zaemer  
Bascharage, L-4917  
652 26 35 00 20  
[info@chemdry.lu](mailto:info@chemdry.lu)

#### 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](mailto:info@chemdryportugal.com)

#### UK/England/Scotland/Wales

Chem-Dry® Franchising Ltd.  
Belprin Road  
Beverly, East Yorkshire HU17 0LP  
44 01482 678 645  
[e.info@chemdry.co.uk](mailto:e.info@chemdry.co.uk)

### 1.4. Emergency telephone number

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

**Europe:** 112  
**Belgium:** Poison Center (BE): +32 70 245 245  
**Denmark:** Poison Control Hotline (DK): +45 82 12 12 12  
**France:** ORFILA (FR): +01 45 42 59 59  
**Germany:** Poison Center Berlin (DE): +49 030 30686 790  
Poison Center Nord: +49 551 19240 (24h available English/German)  
National Posions Information Centre (IE): +353 1 8379964  
**Ireland:**  
**Luxembourg:** 112

#### Denmark, Norway, Sweden

Chem-Dry Nordic Aps  
Munkegaardsvej 21  
Kivstgaard, 3490  
45-48-14-44-18  
[th@chemdry.dk](mailto:th@chemdry.dk)

#### Chem-Dry of Ireland LTD

Unit 30 Tolka Valley Business Park  
Ballyboggan Road, Glasnevin  
Dublin, DN011  
353 1 830 3940  
[john@chemdry.ie](mailto:john@chemdry.ie)

#### Netherlands, Belgium, Germany

Chem-Dry Netherlands BV  
Vijfhuizenberg 127  
Roosendaal, 4708 AJ  
31(0)165-570 610  
[info@chemdry.nl](mailto:info@chemdry.nl)

#### Switzerland/Lichtenstein

Chem-Dry Switzerland  
Kellerhofstrasse 11  
Elgg, 8353  
(41)523643031  
[liz.prohaska@procamed.ch](mailto:liz.prohaska@procamed.ch)

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<b>Netherlands:</b>	National Poisons Information Center (NL): +31 30 274 88 88 (NB: this service is only available to health professionals)
<b>Norway:</b>	Poisons Information (NO): +47 22 591300
<b>Portugal:</b>	Poison Information Center (PT): +351 21 330 3284
<b>Sweden:</b>	Poisons Information Center (SV): +46 8 33 12 31
<b>Switzerland:</b>	Poison Center: Tel 145; +41 44 251 51 51
<b>United Kingdom:</b>	NHS Direct (UK): +44 (0) 845 46 47; 111

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

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

Eye Irrit. 2 H319

Aquatic Chronic 3 H412

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

### 2.2. Label elements

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

Hazard pictograms (CLP) :



GHS07

Signal word (CLP) :

Warning

Hazard statements (CLP) :

H319 - Causes serious eye irritation

H412 - Harmful to aquatic life with long lasting effects

Precautionary statements (CLP) :

P102 - Keep out of reach of children.

P264 - Wash hands, forearms, and exposed areas thoroughly after handling.

P273 - Avoid release to the environment.

P280 - Wear protective gloves, protective clothing, and eye protection.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 - If eye irritation persists: Get medical advice/attention.

P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations.

EUH phrases :

EUH208 - Contains Oils, grapefruit(8016-20-4), Oils, orange, sweet(8008-57-9), Citral(5392-40-5), Terpenes and Terpenoids, lemon-oil(68917-33-9), Terpenes and Terpenoids, lime-oil(68917-71-5), Terpenes and Terpenoids, sweet orange-oil(68647-72-3), 1,2-Benzisothiazolin-3-one(2634-33-5). May produce an allergic reaction

EUH066 - Repeated exposure may cause skin dryness or cracking

### 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
Water	(CAS No) 7732-18-5 (EC no) 231-791-2	60 - 100	Not classified
2,5-Furandione, telomer with ethenylbenzene and (1-methylethyl)benzene, sodium salt	(CAS No) 52500-92-2	1 - 5	Xi; R36

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Name	Product identifier	%	Classification according to Directive 67/548/EEC
Alcohols, C12-14-secondary, ethoxylated	(CAS No) 84133-50-6 (EC no) 617-534-0	1 - 5	N; R50 Xi; R38 Xi; R41
Oils, orange, sweet	(CAS No) 8008-57-9 (EC no) 600-006-9	0 - 1	N; R50/53 R10 Xi; R36/38 Xn; R65 R67 R43
Terpenes and Terpenoids, lemon-oil	(CAS No) 68917-33-9 (EC no) 614-796-8	0 - 1	R10 N; R50/53 Xi; R38 R43 Xn; R65
2-tert-Butylcyclohexyl acetate	(CAS No) 88-41-5 (EC no) 201-828-7	0 - 1	N; R51/53
Oils, grapefruit	(CAS No) 8016-20-4 (EC no) 600-007-4	0 - 1	R10 N; R50/53 Xi; R38 R43 Xn; R65
Citral	(CAS No) 5392-40-5 (EC no) 226-394-6 (EC index no) 605-019-00-3	0 - 1	Xi; R36/38 R43
Benzyl benzoate	(CAS No) 120-51-4 (EC no) 204-402-9 (EC index no) 607-085-00-9	0 - 1	Xn; R22 N; R51/53 N; R50
Terpenes and Terpenoids, lime-oil	(CAS No) 68917-71-5	0 - 1	Xn; R65 R10 N; R50/53 R43
Terpenes and Terpenoids, sweet orange-oil	(CAS No) 68647-72-3 (EC no) 614-678-6	0 - 1	R10 R43 Xn; R65 Xi; R36/38 R67 N; R50/53
Dipropylene glycol	(CAS No) 25265-71-8 (EC no) 246-770-3	< 0,1	Not classified
Linalool	(CAS No) 78-70-6 (EC no) 201-134-4	< 0,1	Xi; R36/38
Cyclopenta[g]-2-benzopyran, 1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethyl-	(CAS No) 1222-05-5 (EC no) 214-946-9 (EC index no) 603-212-00-7	< 0,1	N; R50/53

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Name	Product identifier	%	Classification according to Directive 67/548/EEC
2(3H)-Furanone, 5-heptyldihydro-	(CAS No) 104-67-6 (EC no) 203-225-4	< 0,1	N; R51/53
Benzenepropanal, .alpha.-methyl-4-(1-methylethyl)-	(CAS No) 103-95-7 (EC no) 203-161-7	< 0,1	N; R51/53 Xi; R38 R43
Geraniol	(CAS No) 106-24-1 (EC no) 203-377-1	< 0,1	Xi; R38 Xi; R41 R43
Geranyl acetate	(CAS No) 105-87-3 (EC no) 203-341-5	< 0,1	R52/53 Xi; R38 R43
Cyclohexanone, 5-methyl-2-(1-methylethyl)-, trans-	(CAS No) 89-80-5 (EC no) 201-941-1	< 0,1	R52/53 R10
.beta.-Pinene	(CAS No) 127-91-3 (EC no) 204-872-5	< 0,1	R10 R43 Xi; R36/37/38 Xn; R65 R67
1,8-Cineol	(CAS No) 470-82-6 (EC no) 207-431-5	< 0,1	R10 R43
Polyethylene glycol	(CAS No) 25322-68-3 (EC no) 500-038-2	< 0,1	Xi; R37
Octanal, 2-(phenylmethylene)-	(CAS No) 101-86-0 (EC no) 202-983-3	< 0,1	N; R51/53 R43
Coumarin	(CAS No) 91-64-5 (EC no) 202-086-7	< 0,1	Xn; R22 R43 Xn; R48/20
Citronellol	(CAS No) 106-22-9 (EC no) 203-375-0	< 0,1	Xi; R36/38 R43
1-Hexanol	(CAS No) 111-27-3 (EC no) 203-852-3 (EC index no) 603-059-00-6	< 0,1	Xn; R22 Xn; R21 R10 Xi; R36
2-Hexenal, (E)-	(CAS No) 6728-26-3 (EC no) 229-778-1	< 0,1	R43 Xn; R22 T; R24 R10 N; R51/53
n-Hexyl acetate	(CAS No) 142-92-7 (EC no) 205-572-7	< 0,1	R10 N; R51/53

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Name	Product identifier	%	Classification according to Directive 67/548/EEC
1,6-Octadien-3-ol, 3,7-dimethyl-, acetate	(CAS No) 115-95-7	< 0,1	Xi; R36/38
Terpinyl acetate	(CAS No) 80-26-2 (EC no) 201-265-7	< 0,1	N; R51/53
Oils, peppermint	(CAS No) 8006-90-4 (EC no) 616-900-7	< 0,1	Xi; R36/38 R43 N; R51/53
Spearmint oil	(CAS No) 8008-79-5 (EC no) 616-927-4	< 0,1	Xn; R22 N; R51/53 Xi; R36/38 Xn; R65 R43
(-)-Carvone	(CAS No) 6485-40-1 (EC no) 229-352-5	< 0,1	Xn; R22 R43
Isoamyl butyrate	(CAS No) 106-27-4 (EC no) 203-380-8	< 0,1	R10 R52/53
Isobornyl acetate	(CAS No) 125-12-2 (EC no) 204-727-6	< 0,1	N; R51/53 Xi; R38
Benzenepropanal, 4-(1,1-dimethylethyl)- .alpha.-methyl-	(CAS No) 80-54-6 (EC no) 201-289-8	< 0,1	N; R51/53 Xi; R38 Xn; R22 R43 Repr.Cat.3; R62 Repr.Cat.3; R63
Oxiranecarboxylic acid, 3-methyl-3-phenyl-, ethyl ester	(CAS No) 77-83-8 (EC no) 201-061-8	< 0,1	N; R51/53 R43
n-Amyl acetate	(CAS No) 628-63-7 (EC no) 211-047-3 (EC index no) 607- 130-00-2	< 0,1	R10 R66
Decanal	(CAS No) 112-31-2 (EC no) 203-957-4	< 0,1	N; R51/53 Xi; R36
1,2-Benzisothiazolin-3-one	(CAS No) 2634-33-5 (EC no) 220-120-9 (EC index no) 613- 088-00-6	< 0,1	Xn; R22 Xi; R41 Xi; R38 R43 N; R50
Sodium hydroxide	(CAS No) 1310-73-2 (EC no) 215-185-5 (EC index no) 011- 002-00-6	< 0,1	C; R35 Xi; R41

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Name	Product identifier	%	Classification according to Directive 67/548/EEC
Benzyl salicylate	(CAS No) 118-58-1 (EC no) 204-262-9	< 0,1	N; R51/53 Xn; R68/22 Xi; R36 R43
Octanal, 7-hydroxy-3,7-dimethyl-	(CAS No) 107-75-5 (EC no) 203-518-7	< 0,1	R43 Xi; R36
1,2-Benzisothiazolin-3-one	(CAS No) 2634-33-5 (EC no) 220-120-9 (EC index no) 613-088-00-6	< 0,1	(C >= 0,05) R43
Sodium hydroxide	(CAS No) 1310-73-2 (EC no) 215-185-5 (EC index no) 011-002-00-6	< 0,1	(0,5 =< C < 2) Xi;R36/38 (2 =< C < 5) C;R34 (C >= 5) C;R35
Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Water	(CAS No) 7732-18-5 (EC no) 231-791-2	60 - 100	Not classified
2,5-Furandione, telomer with ethenylbenzene and (1-methylethyl)benzene, sodium salt	(CAS No) 52500-92-2	1 - 5	Eye Irrit. 2, H319
Alcohols, C12-14-secondary, ethoxylated	(CAS No) 84133-50-6 (EC no) 617-534-0	1 - 5	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Acute 1, H400
Oils, orange, sweet	(CAS No) 8008-57-9 (EC no) 600-006-9	0 - 1	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Terpenes and Terpenoids, lemon-oil	(CAS No) 68917-33-9 (EC no) 614-796-8	0 - 1	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2-tert-Butylcyclohexyl acetate	(CAS No) 88-41-5 (EC no) 201-828-7	0 - 1	Aquatic Chronic 2, H411
Oils, grapefruit	(CAS No) 8016-20-4 (EC no) 600-007-4	0 - 1	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Citral	(CAS No) 5392-40-5 (EC no) 226-394-6 (EC index no) 605-019-00-3	0 - 1	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1B, H317

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Benzyl benzoate	(CAS No) 120-51-4 (EC no) 204-402-9 (EC index no) 607-085-00-9	0 - 1	Acute Tox. 4 (Oral), H302 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
Terpenes and Terpenoids, lime-oil	(CAS No) 68917-71-5	0 - 1	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Terpenes and Terpenoids, sweet orange-oil	(CAS No) 68647-72-3 (EC no) 614-678-6	0 - 1	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Dipropylene glycol	(CAS No) 25265-71-8 (EC no) 246-770-3	< 0,1	Not classified
Linalool	(CAS No) 78-70-6 (EC no) 201-134-4	< 0,1	Skin Irrit. 2, H315 Eye Irrit. 2, H319
Cyclopenta[g]-2-benzopyran, 1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethyl-	(CAS No) 1222-05-5 (EC no) 214-946-9 (EC index no) 603-212-00-7	< 0,1	Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2(3H)-Furanone, 5-heptyldihydro-	(CAS No) 104-67-6 (EC no) 203-225-4	< 0,1	Aquatic Chronic 2, H411
Benzenepropanal, .alpha.-methyl-4-(1-methylethyl)-	(CAS No) 103-95-7 (EC no) 203-161-7	< 0,1	Skin Irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Chronic 2, H411
Geraniol	(CAS No) 106-24-1 (EC no) 203-377-1	< 0,1	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317
Geranyl acetate	(CAS No) 105-87-3 (EC no) 203-341-5	< 0,1	Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 3, H412
Cyclohexanone, 5-methyl-2-(1-methylethyl)-, trans-	(CAS No) 89-80-5 (EC no) 201-941-1	< 0,1	Flam. Liq. 3, H226 Aquatic Chronic 3, H412
.beta.-Pinene	(CAS No) 127-91-3 (EC no) 204-872-5	< 0,1	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 STOT SE 3, H335 STOT SE 3, H336 Asp. Tox. 1, H304
1,8-Cineol	(CAS No) 470-82-6 (EC no) 207-431-5	< 0,1	Flam. Liq. 3, H226 Skin Sens. 1B, H317
Polyethylene glycol	(CAS No) 25322-68-3 (EC no) 500-038-2	< 0,1	STOT SE 3, H335
Octanal, 2-(phenylmethylene)-	(CAS No) 101-86-0 (EC no) 202-983-3	< 0,1	Skin Sens. 1B, H317 Aquatic Chronic 2, H411

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Coumarin	(CAS No) 91-64-5 (EC no) 202-086-7	< 0,1	Acute Tox. 4 (Oral), H302 Skin Sens. 1, H317 STOT RE 2, H373
Citronellol	(CAS No) 106-22-9 (EC no) 203-375-0	< 0,1	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1B, H317
1-Hexanol	(CAS No) 111-27-3 (EC no) 203-852-3 (EC index no) 603-059-00-6	< 0,1	Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Eye Irrit. 2, H319
2-Hexenal, (E)-	(CAS No) 6728-26-3 (EC no) 229-778-1	< 0,1	Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Dermal), H311 Skin Sens. 1, H317 Aquatic Chronic 2, H411
n-Hexyl acetate	(CAS No) 142-92-7 (EC no) 205-572-7	< 0,1	Flam. Liq. 3, H226 Aquatic Chronic 2, H411
1,6-Octadien-3-ol, 3,7-dimethyl-, acetate	(CAS No) 115-95-7	< 0,1	Skin Irrit. 2, H315 Eye Irrit. 2, H319
Terpinyl acetate	(CAS No) 80-26-2 (EC no) 201-265-7	< 0,1	Aquatic Chronic 2, H411
Oils, peppermint	(CAS No) 8006-90-4 (EC no) 616-900-7	< 0,1	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Chronic 2, H411
Spearmint oil	(CAS No) 8008-79-5 (EC no) 616-927-4	< 0,1	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
(-)-Carvone	(CAS No) 6485-40-1 (EC no) 229-352-5	< 0,1	Acute Tox. 4 (Oral), H302 Skin Sens. 1B, H317
Isoamyl butyrate	(CAS No) 106-27-4 (EC no) 203-380-8	< 0,1	Flam. Liq. 3, H226 Aquatic Chronic 3, H412
Isobornyl acetate	(CAS No) 125-12-2 (EC no) 204-727-6	< 0,1	Skin Irrit. 2, H315 Aquatic Chronic 2, H411
Benzenepropanal, 4-(1,1-dimethylethyl)-.alpha.-methyl-	(CAS No) 80-54-6 (EC no) 201-289-8	< 0,1	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Repr. 2, H361 Aquatic Chronic 2, H411
Oxiranecarboxylic acid, 3-methyl-3-phenyl-, ethyl ester	(CAS No) 77-83-8 (EC no) 201-061-8	< 0,1	Skin Sens. 1B, H317 Aquatic Chronic 2, H411
n-Amyl acetate	(CAS No) 628-63-7 (EC no) 211-047-3 (EC index no) 607-130-00-2	< 0,1	Flam. Liq. 3, H226
Decanal	(CAS No) 112-31-2 (EC no) 203-957-4	< 0,1	Eye Irrit. 2, H319 Aquatic Chronic 2, H411



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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
1,2-Benzisothiazolin-3-one	(CAS No) 2634-33-5 (EC no) 220-120-9 (EC index no) 613-088-00-6	< 0,1	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Acute 1, H400
Sodium hydroxide	(CAS No) 1310-73-2 (EC no) 215-185-5 (EC index no) 011-002-00-6	< 0,1	Met. Corr. 1, H290 Skin Corr. 1A, H314 Eye Dam. 1, H318
Benzyl salicylate	(CAS No) 118-58-1 (EC no) 204-262-9	< 0,1	Eye Irrit. 2, H319 Skin Sens. 1, H317 STOT SE 2, H371 Aquatic Chronic 2, H411
Octanal, 7-hydroxy-3,7-dimethyl-	(CAS No) 107-75-5 (EC no) 203-518-7	< 0,1	Eye Irrit. 2, H319 Skin Sens. 1B, H317
1,2-Benzisothiazolin-3-one	(CAS No) 2634-33-5 (EC no) 220-120-9 (EC index no) 613-088-00-6	< 0,1	(C >= 0,05) Skin Sens. 1, H317
Sodium hydroxide	(CAS No) 1310-73-2 (EC no) 215-185-5 (EC index no) 011-002-00-6	< 0,1	(0,5 <= C < 2) Eye Irrit. 2, H319 (0,5 <= C < 2) Skin Irrit. 2, H315 (2 <= C < 5) Skin Corr. 1B, H314 (C >= 5) 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 : If experiencing respiratory symptoms: Move person to fresh air. Seek medical attention for discomfort or if coughing or other symptoms do not subside.
- First-aid measures after skin contact : Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Seek medical attention immediately if irritation develops or persists. Wash contaminated clothing before reuse.
- First-aid measures after eye contact : Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. Obtain medical attention if irritation persists.
- First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Get medical advice and attention if you feel unwell.

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

- Symptoms/injuries : Causes serious eye irritation.
- Symptoms/injuries after inhalation : May cause irritation to the respiratory tract.
- Symptoms/injuries after skin contact : May cause skin irritation. May cause an allergic reaction in sensitive individuals.
- Symptoms/injuries after eye contact : Causes serious eye irritation. Symptoms may include: Redness, pain, swelling, itching, burning, tearing, and blurred vision.
- Symptoms/injuries after ingestion : Ingestion may cause adverse effects.
- Chronic symptoms : None expected under normal conditions of use.

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

Get medical attention if symptoms occur.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

- Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire.
- Unsuitable extinguishing media : Do not use a heavy water stream. Use of heavy stream of water may spread fire.

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

- Fire hazard : Non-combustible.  
Explosion hazard : Product is not explosive.  
Reactivity : Hazardous reactions will not occur under normal conditions.  
Hazardous decomposition products in case of fire : Carbon oxides (CO, CO<sub>2</sub>).

### 5.3. Advice for firefighters

- Precautionary measures fire : Exercise caution when fighting any chemical fire.  
Firefighting instructions : Do not allow run-off from fire fighting to enter drains or water sources. Do not breathe fumes from fires or vapours from decomposition.  
Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

## SECTION 6: Accidental release measures

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

- General measures : Do not allow product to spread into the environment.

#### 6.1.1. For non-emergency personnel

- Protective equipment : Use appropriate personal protection equipment (PPE).  
Emergency procedures : Evacuate unnecessary personnel.

#### 6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.  
Emergency procedures : Stop leak if safe to do so. Ventilate area.

### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Avoid release to the environment.

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

- For containment : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.  
Methods for cleaning up : Clear up spills immediately and dispose of waste safely. Collect spillage.

### 6.4. Reference to other sections

See heading 8, Exposure Controls and Personal Protection. Concerning disposal elimination after cleaning, see section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- Precautions for safe handling : Avoid all eye and skin contact and do not breathe vapour and mist.  
Hygiene measures : Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work.

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

- Technical measures : Ensure all national/local regulations are observed.  
Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use.  
Incompatible products : Strong acids. Strong bases. Strong oxidizers.

### 7.3. Specific end use(s)

Carpet fragrances.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Polyethylene glycol (25322-68-3)		
Austria	MAK (mg/m <sup>3</sup> )	1000 mg/m <sup>3</sup> (average molecular weight 200-400-inhalable fraction)
Austria	MAK Short time value (mg/m <sup>3</sup> )	4000 mg/m <sup>3</sup> (average molecular weight 200-400-inhalable fraction)
Germany	TRGS 900 Occupational exposure limit value (mg/m <sup>3</sup> )	1000 mg/m <sup>3</sup> (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed, average molecular weight 200-400-inhalable fraction)
Switzerland	VME (mg/m <sup>3</sup> )	1000 mg/m <sup>3</sup> (average MW 200-600)

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<b>Polyethylene glycol (25322-68-3)</b>		
Slovakia	NPHV (priemerná) (mg/m <sup>3</sup> )	1000 mg/m <sup>3</sup>
Slovakia	NPHV (Hraničná) (mg/m <sup>3</sup> )	8000 mg/m <sup>3</sup>
Slovenia	OEL TWA (mg/m <sup>3</sup> )	1000 mg/m <sup>3</sup> (inhalable fraction, MW 200-400)
Slovenia	OEL STEL (mg/m <sup>3</sup> )	4000 mg/m <sup>3</sup> (MW 200-400-inhalable fraction)
<b>1-Hexanol (111-27-3)</b>		
Germany	TRGS 900 Occupational exposure limit value (mg/m <sup>3</sup> )	210 mg/m <sup>3</sup>
Germany	TRGS 900 Occupational exposure limit value (ppm)	50 ppm
Romania	OEL TWA (mg/m <sup>3</sup> )	150 mg/m <sup>3</sup>
Romania	OEL TWA (ppm)	36 ppm
Romania	OEL STEL (mg/m <sup>3</sup> )	250 mg/m <sup>3</sup>
Romania	OEL STEL (ppm)	60 ppm
<b>Citral (5392-40-5)</b>		
USA ACGIH	ACGIH TWA (ppm)	5 ppm (inhalable fraction and vapor)
Spain	VLA-ED (ppm)	5 ppm (inhalable fraction and vapor)
Poland	NDS (mg/m <sup>3</sup> )	27 mg/m <sup>3</sup>
Poland	NDSCh (mg/m <sup>3</sup> )	54 mg/m <sup>3</sup>
<b>.beta.-Pinene (127-91-3)</b>		
Belgium	Limit value (ppm)	20 ppm
USA ACGIH	ACGIH TWA (ppm)	20 ppm
Spain	VLA-ED (mg/m <sup>3</sup> )	113 mg/m <sup>3</sup>
Spain	VLA-ED (ppm)	20 ppm
Estonia	OEL TWA (mg/m <sup>3</sup> )	150 mg/m <sup>3</sup>
Estonia	OEL TWA (ppm)	25 ppm
Estonia	OEL STEL (mg/m <sup>3</sup> )	300 mg/m <sup>3</sup>
Estonia	OEL STEL (ppm)	50 ppm
Lithuania	IPRV (mg/m <sup>3</sup> )	150 mg/m <sup>3</sup>
Lithuania	IPRV (ppm)	25 ppm
Lithuania	TPRV (mg/m <sup>3</sup> )	300 mg/m <sup>3</sup>
Lithuania	TPRV (ppm)	50 ppm
Norway	Gjennomsnittsverdier (AN) (mg/m <sup>3</sup> )	140 mg/m <sup>3</sup>
Norway	Gjennomsnittsverdier (AN) (ppm)	25 ppm
Norway	Gjennomsnittsverdier (Korttidsverdi) (mg/m <sup>3</sup> )	175 mg/m <sup>3</sup>
Norway	Gjennomsnittsverdier (Korttidsverdi) (ppm)	37,5 ppm
Sweden	nivågränsvärde (NVG) (mg/m <sup>3</sup> )	150 mg/m <sup>3</sup>
Sweden	nivågränsvärde (NVG) (ppm)	25 ppm
Sweden	kortidsvärde (KTV) (mg/m <sup>3</sup> )	300 mg/m <sup>3</sup>
Sweden	kortidsvärde (KTV) (ppm)	50 ppm
Portugal	OEL TWA (ppm)	20 ppm
Portugal	OEL chemical category (PT)	Sensitizer,A4 - Not Classifiable as a Human Carcinogen
<b>n-Amyl acetate (628-63-7)</b>		
EU	IOELV TWA (mg/m <sup>3</sup> )	270 mg/m <sup>3</sup>
EU	IOELV TWA (ppm)	50 ppm

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<b>n-Amyl acetate (628-63-7)</b>		
EU	IOELV STEL (mg/m <sup>3</sup> )	540 mg/m <sup>3</sup>
EU	IOELV STEL (ppm)	100 ppm
Austria	MAK (mg/m <sup>3</sup> )	270 mg/m <sup>3</sup>
Austria	MAK (ppm)	50 ppm
Austria	MAK Short time value (mg/m <sup>3</sup> )	540 mg/m <sup>3</sup>
Austria	MAK Short time value (ppm)	100 ppm
Belgium	Limit value (mg/m <sup>3</sup> )	270 mg/m <sup>3</sup>
Belgium	Limit value (ppm)	50 ppm
Belgium	Short time value (mg/m <sup>3</sup> )	540 mg/m <sup>3</sup>
Belgium	Short time value (ppm)	100 ppm
Bulgaria	OEL TWA (mg/m <sup>3</sup> )	270,0 mg/m <sup>3</sup>
Bulgaria	OEL TWA (ppm)	50 ppm
Bulgaria	OEL STEL (mg/m <sup>3</sup> )	540,0 mg/m <sup>3</sup>
Bulgaria	OEL STEL (ppm)	100 ppm
Croatia	GVI (granična vrijednost izloženosti) (mg/m <sup>3</sup> )	270 mg/m <sup>3</sup>
Croatia	GVI (granična vrijednost izloženosti) (ppm)	50 ppm
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (mg/m <sup>3</sup> )	540 mg/m <sup>3</sup>
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (ppm)	100 ppm
Cyprus	OEL TWA (mg/m <sup>3</sup> )	270 mg/m <sup>3</sup>
Cyprus	OEL TWA (ppm)	50 ppm
Cyprus	OEL STEL (mg/m <sup>3</sup> )	540 mg/m <sup>3</sup>
Cyprus	OEL STEL (ppm)	100 ppm
France	VLE (mg/m <sup>3</sup> )	540 mg/m <sup>3</sup> (restrictive limit)
France	VLE (ppm)	100 ppm (restrictive limit)
France	VME (mg/m <sup>3</sup> )	270 mg/m <sup>3</sup> (restrictive limit)
France	VME (ppm)	50 ppm (restrictive limit)
Germany	TRGS 900 Occupational exposure limit value (mg/m <sup>3</sup> )	270 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)	50 ppm (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Gibraltar	OEL TWA (mg/m <sup>3</sup> )	270 mg/m <sup>3</sup>
Gibraltar	OEL TWA (ppm)	50 ppm
Gibraltar	OEL STEL (mg/m <sup>3</sup> )	540 mg/m <sup>3</sup>
Gibraltar	OEL STEL (ppm)	100 ppm
Greece	OEL TWA (mg/m <sup>3</sup> )	530 mg/m <sup>3</sup>
Greece	OEL TWA (ppm)	100 ppm
Greece	OEL STEL (mg/m <sup>3</sup> )	800 mg/m <sup>3</sup>
Greece	OEL STEL (ppm)	150 ppm
USA ACGIH	ACGIH TWA (ppm)	50 ppm
USA ACGIH	ACGIH STEL (ppm)	100 ppm
Italy	OEL TWA (mg/m <sup>3</sup> )	270 mg/m <sup>3</sup>
Italy	OEL TWA (ppm)	50 ppm

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<b>n-Amyl acetate (628-63-7)</b>		
Italy	OEL STEL (mg/m <sup>3</sup> )	540 mg/m <sup>3</sup>
Italy	OEL STEL (ppm)	100 ppm
Latvia	OEL TWA (mg/m <sup>3</sup> )	270 mg/m <sup>3</sup>
Latvia	OEL TWA (ppm)	50 ppm
Spain	VLA-ED (mg/m <sup>3</sup> )	270 mg/m <sup>3</sup> (indicative limit value)
Spain	VLA-ED (ppm)	50 ppm (indicative limit value)
Spain	VLA-EC (mg/m <sup>3</sup> )	540 mg/m <sup>3</sup>
Spain	VLA-EC (ppm)	100 ppm
Switzerland	VLE (mg/m <sup>3</sup> )	260 mg/m <sup>3</sup>
Switzerland	VLE (ppm)	50 ppm
Switzerland	VME (mg/m <sup>3</sup> )	260 mg/m <sup>3</sup>
Switzerland	VME (ppm)	50 ppm
Netherlands	Grenswaarde TGG 15MIN (mg/m <sup>3</sup> )	530 mg/m <sup>3</sup>
Denmark	Grænseværdie (langvarig) (mg/m <sup>3</sup> )	271 mg/m <sup>3</sup>
Denmark	Grænseværdie (langvarig) (ppm)	50 ppm
Estonia	OEL TWA (mg/m <sup>3</sup> )	270 mg/m <sup>3</sup>
Estonia	OEL TWA (ppm)	50 ppm
Estonia	OEL STEL (mg/m <sup>3</sup> )	540 mg/m <sup>3</sup>
Estonia	OEL STEL (ppm)	100 ppm
Finland	HTP-arvo (8h) (mg/m <sup>3</sup> )	270 mg/m <sup>3</sup>
Finland	HTP-arvo (8h) (ppm)	50 ppm
Finland	HTP-arvo (15 min)	540 mg/m <sup>3</sup>
Finland	HTP-arvo (15 min) (ppm)	100 ppm
Hungary	AK-érték	270 mg/m <sup>3</sup>
Hungary	CK-érték	540 mg/m <sup>3</sup>
Ireland	OEL (8 hours ref) (mg/m <sup>3</sup> )	270 mg/m <sup>3</sup>
Ireland	OEL (8 hours ref) (ppm)	50 ppm
Ireland	OEL (15 min ref) (mg/m <sup>3</sup> )	540 mg/m <sup>3</sup>
Ireland	OEL (15 min ref) (ppm)	100 ppm
Lithuania	IPRV (mg/m <sup>3</sup> )	270 mg/m <sup>3</sup> 540 mg/m <sup>3</sup>
Lithuania	IPRV (ppm)	50 ppm 100 ppm
Lithuania	TPRV (mg/m <sup>3</sup> )	540 mg/m <sup>3</sup>
Lithuania	TPRV (ppm)	100 ppm
Luxembourg	OEL TWA (mg/m <sup>3</sup> )	270 mg/m <sup>3</sup>
Luxembourg	OEL TWA (ppm)	50 ppm
Luxembourg	OEL STEL (mg/m <sup>3</sup> )	540 mg/m <sup>3</sup>
Luxembourg	OEL STEL (ppm)	100 ppm
Malta	OEL TWA (mg/m <sup>3</sup> )	270 mg/m <sup>3</sup>
Malta	OEL TWA (ppm)	50 ppm
Malta	OEL STEL (mg/m <sup>3</sup> )	540 mg/m <sup>3</sup>
Malta	OEL STEL (ppm)	100 ppm
Norway	Gjennomsnittsverdier (AN) (mg/m <sup>3</sup> )	260 mg/m <sup>3</sup>
Norway	Gjennomsnittsverdier (AN) (ppm)	50 ppm
Norway	Gjennomsnittsverdier (Korttidsverdi) (mg/m <sup>3</sup> )	325 mg/m <sup>3</sup>

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<b>n-Amyl acetate (628-63-7)</b>		
Norway	Gjennomsnittsverdier (Korttidsverdi) (ppm)	75 ppm
Poland	NDS (mg/m <sup>3</sup> )	250 mg/m <sup>3</sup>
Poland	NDSch (mg/m <sup>3</sup> )	500 mg/m <sup>3</sup>
Romania	OEL TWA (mg/m <sup>3</sup> )	300 mg/m <sup>3</sup> 270 mg/m <sup>3</sup> (regulated under Pentyl acetate)
Romania	OEL TWA (ppm)	56 ppm 50 ppm (regulated under Pentyl acetate)
Romania	OEL STEL (mg/m <sup>3</sup> )	540 mg/m <sup>3</sup> 500 mg/m <sup>3</sup>
Romania	OEL STEL (ppm)	100 ppm 94 ppm
Slovakia	NPHV (priemerná) (mg/m <sup>3</sup> )	270 mg/m <sup>3</sup>
Slovakia	NPHV (priemerná) (ppm)	50 ppm
Slovakia	NPHV (Hraničná) (mg/m <sup>3</sup> )	540 mg/m <sup>3</sup>
Slovenia	OEL TWA (mg/m <sup>3</sup> )	270 mg/m <sup>3</sup>
Slovenia	OEL TWA (ppm)	50 ppm
Slovenia	OEL STEL (mg/m <sup>3</sup> )	540 mg/m <sup>3</sup>
Slovenia	OEL STEL (ppm)	100 ppm
Sweden	nivågränsvärde (NVG) (mg/m <sup>3</sup> )	270 mg/m <sup>3</sup>
Sweden	nivågränsvärde (NVG) (ppm)	50 ppm
Sweden	kortidsvärde (KTV) (mg/m <sup>3</sup> )	540 mg/m <sup>3</sup>
Sweden	kortidsvärde (KTV) (ppm)	100 ppm
Portugal	OEL TWA (mg/m <sup>3</sup> )	270 mg/m <sup>3</sup> (indicative limit value)
Portugal	OEL TWA (ppm)	50 ppm (indicative limit value)
Portugal	OEL STEL (mg/m <sup>3</sup> )	540 mg/m <sup>3</sup> (indicative limit value)
Portugal	OEL STEL (ppm)	100 ppm (indicative limit value)
<b>Dipropylene glycol (25265-71-8)</b>		
Germany	TRGS 900 Occupational exposure limit value (mg/m <sup>3</sup> )	100 mg/m <sup>3</sup> (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed-inhalable fraction)
Switzerland	VLE (mg/m <sup>3</sup> )	280 mg/m <sup>3</sup> (inhalable)
Switzerland	VME (mg/m <sup>3</sup> )	140 mg/m <sup>3</sup> (inhalable)
<b>Sodium hydroxide (1310-73-2)</b>		
Austria	MAK (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup> (inhalable fraction)
Austria	MAK Short time value (mg/m <sup>3</sup> )	4 mg/m <sup>3</sup> (inhalable fraction)
Bulgaria	OEL TWA (mg/m <sup>3</sup> )	2,0 mg/m <sup>3</sup> (aerosol)
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
France	VME (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
Greece	OEL TWA (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
Greece	OEL STEL (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
USA ACGIH	ACGIH Ceiling (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
Latvia	OEL TWA (mg/m <sup>3</sup> )	0,5 mg/m <sup>3</sup>
Spain	VLA-EC (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
Switzerland	VLE (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup> (inhalable)
Switzerland	VME (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup> (inhalable)
United Kingdom	WEL STEL (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>

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<b>Sodium hydroxide (1310-73-2)</b>		
Czech Republic	Expoziční limity (PEL) (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup>
Estonia	OEL TWA (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup>
Estonia	OEL Ceiling (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
Finland	HTP-arvo (15 min)	2 mg/m <sup>3</sup>
Hungary	AK-érték	2 mg/m <sup>3</sup>
Hungary	CK-érték	2 mg/m <sup>3</sup>
Ireland	OEL (15 min ref) (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
Lithuania	NRV (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
Norway	Gjennomsnittsverdier (Takverdi) (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
Poland	NDS (mg/m <sup>3</sup> )	0,5 mg/m <sup>3</sup>
Poland	NDSCh (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup>
Slovakia	NPHV (priemerná) (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>
Slovenia	OEL TWA (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup> (inhalable fraction)
Slovenia	OEL STEL (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup> (inhalable fraction)
Sweden	nivågränsvärde (NVG) (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup> (inhalable dust)
Sweden	takgränsvärde (TGV) (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup> (inhalable dust)
Portugal	OEL - Ceilings (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup>

### 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. Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

: Gloves. Protective goggles. Protective clothing. Insufficient ventilation: wear respiratory protection.



Materials for protective clothing

: Chemically resistant materials and fabrics.

Hand protection

: Wear chemically resistant protective gloves.

Eye protection

: Chemical safety goggles.

Skin and body protection

: Chemical resistant suit.

Respiratory protection

: If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn.

Environmental exposure controls

: Avoid release to the environment.

Other information

: When using, do not eat, drink or smoke.

## SECTION 9: Physical and chemical properties

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

Physical state	: Liquid
Colour	: Light Amber.
Odour	: No data available
Odour threshold	: No data available
pH	: 9 - 9,5
Evaporation rate	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: None (TCC)
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available

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Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Solubility	: No data available
Partition coefficient: n-octanol/water	: No data available
Viscosity	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: Not applicable

### 9.2. Other information

VOC content : < 1 %

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Hazardous reactions will not occur under normal conditions.

### 10.2. Chemical stability

Stable under normal ambient conditions.

### 10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

### 10.5. Incompatible materials

Strong acids. Strong bases. Strong oxidizers.

### 10.6. Hazardous decomposition products

Thermal decomposition generates : Carbon oxides (CO, CO<sub>2</sub>).

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified

<b>Alcohols, C12-14-secondary, ethoxylated (84133-50-6)</b>	
LD50 oral rat	2100 mg/kg
<b>Polyethylene glycol (25322-68-3)</b>	
LD50 oral rat	47000 mg/kg
LD50 dermal rabbit	> 20 ml/kg
<b>Cyclopenta[g]-2-benzopyran, 1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethyl- (1222-05-5)</b>	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 5000 mg/kg
<b>1-Hexanol (111-27-3)</b>	
LD50 oral rat	720 mg/kg
LD50 dermal rabbit	1500 mg/kg
LC50 inhalation rat (mg/l)	> 21 mg/l (Exposure time: 1 h)
<b>2-Hexenal, (E)- (6728-26-3)</b>	
ATE CLP (oral)	500,00 mg/kg bodyweight
ATE CLP (dermal)	300,00 mg/kg bodyweight
<b>Octanal, 2-(phenylmethylene)- (101-86-0)</b>	
LD50 oral rat	2450 mg/kg
LD50 dermal rabbit	> 3000 mg/kg
<b>Oils, orange, sweet (8008-57-9)</b>	
LD50 oral rat	4400 mg/kg
<b>Benzyl benzoate (120-51-4)</b>	
LD50 oral rat	500 mg/kg
LD50 dermal rabbit	4000 mg/kg



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<b>Geraniol (106-24-1)</b>	
LD50 oral rat	3600 mg/kg
LD50 dermal rabbit	> 5 g/kg
<b>Coumarin (91-64-5)</b>	
LD50 oral rat	293 mg/kg
LD50 dermal rat	> 2000 mg/kg
<b>Citral (5392-40-5)</b>	
LD50 oral rat	4950 mg/kg
LD50 dermal rabbit	2250 mg/kg
<b>.beta.-Pinene (127-91-3)</b>	
LD50 oral rat	4700 mg/kg
<b>Oils, peppermint (8006-90-4)</b>	
LD50 oral rat	2426 mg/kg
<b>Spearmint oil (8008-79-5)</b>	
ATE CLP (oral)	500,00 mg/kg bodyweight
<b>(-)-Carvone (6485-40-1)</b>	
ATE CLP (oral)	500,00 mg/kg bodyweight
<b>Isobornyl acetate (125-12-2)</b>	
LD50 dermal rabbit	> 20000 mg/kg
<b>Benzenepropanal, 4-(1,1-dimethylethyl)-.alpha.-methyl- (80-54-6)</b>	
LD50 oral rat	> 1000 mg/kg
LD50 dermal rat	> 2000 mg/kg
ATE CLP (oral)	500,00 mg/kg bodyweight
<b>Benzyl salicylate (118-58-1)</b>	
LD50 oral rat	2227 mg/kg
LD50 dermal rabbit	14150 mg/kg
<b>Dipropylene glycol (25265-71-8)</b>	
LD50 oral rat	13300 mg/kg
LD50 dermal rabbit	> 20 ml/kg
<b>1,2-Benzisothiazolin-3-one (2634-33-5)</b>	
LD50 oral rat	1020 mg/kg

Skin corrosion/irritation	: Not classified pH: 9 - 9,5
Serious eye damage/irritation	: Causes serious eye irritation. pH: 9 - 9,5
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified

<b>Coumarin (91-64-5)</b>	
IARC group	3
National Toxicology Program (NTP) Status	Evidence of Carcinogenicity.

Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified

## SECTION 12: Ecological information

### 12.1. Toxicity

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

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<b>Alcohols, C12-14-secondary, ethoxylated (84133-50-6)</b>	
LC50 fishes 1	3,7 (3 - 4) mg/l (Exposure time: 96 h - Species: Lepomis macrochirus)
EC50 Daphnia 1	0,29 mg/l (Exposure time: 48 h - Species: Daphnia magna)
<b>2(3H)-Furanone, 5-heptyldihydro- (104-67-6)</b>	
LC50 fishes 1	5,5 mg/l
<b>1-Hexanol (111-27-3)</b>	
LC50 fishes 1	89,7 - 106 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
LC50 fish 2	144 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [static])
<b>n-Hexyl acetate (142-92-7)</b>	
LC50 fishes 1	3,7 - 4,4 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
<b>Benzyl benzoate (120-51-4)</b>	
LC50 fishes 1	0,29 mg/l
NOEC chronic fish	0,168 mg/l QSAR (Reliability: 2)
<b>Linalool (78-70-6)</b>	
EC50 Daphnia 1	20 mg/l (Exposure time: 48 h - Species: Daphnia magna)
<b>1,6-Octadien-3-ol, 3,7-dimethyl-, acetate (115-95-7)</b>	
EC50 Daphnia 1	6 mg/l
<b>Citral (5392-40-5)</b>	
EC50 Daphnia 1	7 mg/l (Exposure time: 48 h - Species: Daphnia magna)
<b>1,8-Cineol (470-82-6)</b>	
LC50 fishes 1	95,4 - 109 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
<b>Isobornyl acetate (125-12-2)</b>	
LC50 fishes 1	10,0 - 18,0 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [static])
<b>Benzenepropanal, 4-(1,1-dimethylethyl)-.alpha.-methyl- (80-54-6)</b>	
LC50 fishes 1	2,2 - 4,6 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [static])
EC50 Daphnia 1	10,7 mg/l (Exposure time: 48 h - Species: Daphnia magna)
<b>n-Amyl acetate (628-63-7)</b>	
LC50 fishes 1	650 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
<b>Decanal (112-31-2)</b>	
LC50 fishes 1	1,45 mg/l
<b>Sodium hydroxide (1310-73-2)</b>	
LC50 fishes 1	45,4 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	40 mg/l
<b>12.2. Persistence and degradability</b>	
<b>Chem-Dry (All Fragrances)</b>	
Persistence and degradability	Not established. May cause long-term adverse effects in the environment.
<b>12.3. Bioaccumulative potential</b>	
<b>Chem-Dry (All Fragrances)</b>	
Bioaccumulative potential	Not established.
<b>1-Hexanol (111-27-3)</b>	
Log Pow	2,03
<b>Benzyl benzoate (120-51-4)</b>	
Log Pow	3,97

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<b>Linalool (78-70-6)</b>	
Log Pow	2,84 - 3,1 (at 25 °C)
<b>Citral (5392-40-5)</b>	
Log Pow	2,76 (at 25 °C)
<b>Isobornyl acetate (125-12-2)</b>	
Log Pow	3,5
<b>Benzenepropanal, 4-(1,1-dimethylethyl)-.alpha.-methyl- (80-54-6)</b>	
Log Pow	4,2 (at 24 °C)
<b>Dipropylene glycol (25265-71-8)</b>	
BCF fish 1	0,3 (0,3 - 1,4)
<b>1,2-Benzisothiazolin-3-one (2634-33-5)</b>	
Log Pow	1,3 (at 25 °C)

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Other adverse effects

Other information : Avoid release to the environment.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Sewage disposal recommendations : Do not empty into drains. Do not dispose of waste into sewer.

Waste disposal recommendations : Dispose of waste material in accordance with all local, regional, national, and international regulations.

Ecology - waste materials : This material is hazardous to the aquatic environment. Keep out of sewers and waterways.

## SECTION 14: Transport information

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

ADR	IMDG	IATA	ADN	RID
<b>14.1. UN number</b>				
Not regulated for transport				
<b>14.2. UN proper shipping name</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.3. Transport hazard class(es)</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.4. Packing group</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.5. Environmental hazards</b>				
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No	Dangerous for the environment : No	Dangerous for the environment : No

### 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:

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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	Chem-Dry (All Fragrances)
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	2,5-Furandione, telomer with ethenylbenzene and (1-methylethyl)benzene, sodium salt
3.c. 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 class 4.1	2-tert-Butylcyclohexyl acetate
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.	1-Hexanol

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

VOC content : < 1 %

### 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

Revision date : 14/01/2015

Data sources : 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:

Acute Tox. 3 (Dermal)	Acute toxicity (dermal), Category 3
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Met. Corr. 1	Corrosive to metals, Category 1
Repr. 2	Reproductive toxicity, Category 2
Skin Corr. 1A	Skin corrosion/irritation, Category 1A
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Sensitisation — Skin, category 1
Skin Sens. 1B	Sensitisation — Skin, category 1B
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2

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STOT SE 2	Specific target organ toxicity — Single exposure, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
H226	Flammable liquid and vapour
H290	May be corrosive to metals
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H311	Toxic in contact with skin
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H319	Causes serious eye irritation
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H361	Suspected of damaging fertility or the unborn child
H371	May cause damage to organs
H373	May cause damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects
R10	Flammable
R21	Harmful in contact with skin
R22	Harmful if swallowed
R24	Toxic in contact with skin
R35	Causes severe burns
R36	Irritating to eyes
R36/37/38	Irritating to eyes, respiratory system and skin
R36/38	Irritating to eyes and skin
R37	Irritating to respiratory system
R38	Irritating to skin
R41	Risk of serious damage to eyes
R43	May cause sensitisation by skin contact
R48/20	Harmful: danger of serious damage to health by prolonged exposure through inhalation
R50	Very toxic to aquatic organisms
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
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
R62	Possible risk of impaired fertility
R63	Possible risk of harm to the unborn child
R65	Harmful: may cause lung damage if swallowed
R66	Repeated exposure may cause skin dryness or cracking
R67	Vapours may cause drowsiness and dizziness
C	Corrosive
N	Dangerous for the environment

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According to Regulation (EC) No. 453/2010

T	Toxic
Xi	Irritant
Xn	Harmful

Harris Research Inc EU GHS SDS

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*