

Produkt	0-10630-4	PARFÜMÖL REPEL
Versie	12.0	Überarbeitet am 28-02-2025
		Druckdatum 19-08-2025

1. Bezeichnung des Stoffs bzw. des Gemischs und des Unternehmens

1.1 Produktidentifikator	Riechstoffkomposition
Vertrieb Nr.	0-10630-4
	PARFÜMÖL REPEL
	UFI :EPDG-29VS-H00E-JJE0

1.2 Relevante identifizierte Verwendungen des Stoffs oder Gemischs und Verwendungen, von denen abgeraten wird

Vorgesehene Verwendung	Riechstoffkomposition
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1.3 Einzelheiten zum Lieferanten, der das Sicherheitsdatenblatt bereitstellt

Firma	Holland Aromatics B.V. Transistorstraat 111, 1322 CL Almere The Netherlands Tel.+31(0)36-5 36 33 35 Fax.+31(0)365 36 55 88 Email:perfume@hollandaromatics.nl Tel.+31 (0) 36-5 36 33 35
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1.4 Notrufnummer

2. Mögliche Gefahren

2.1 Einstufung des Stoffs oder Gemischs

Einstufung (VERORDNUNG (EG) Nr. 1272/2008)

H317 Kann allergische Hautreaktionen verursachen.Sensitization, skin (SS 1A)Category 1
H304 Kann bei Verschlucken und Eindringen in die Atemwege tödlich sein.Aspiration hazard (AH)Category 1
H315 Verursacht Hautreizungen.Skin corrosion/irritation (SCI)Category 2
H318 Verursacht schwere Augenschäden.Serious eye damage/eye irritation (EDI)1
H400 Sehr giftig für Wasserorganismen.Hazardous to the aquatic environment, acute hazard (EH A)Category 1
H410 Sehr giftig für Wasserorganismen mit langfristiger Wirkung.Hazardous to the aquatic environment, long-term hazard (EH C) Category 1

2.2 Kennzeichnungselemente

Kennzeichnung (VERORDNUNG (EG) Nr. 1272/2008)

Gefahrenpiktogramme



Signalwort GEFAHR

Gefahrenhinweise

H317 Kann allergische Hautreaktionen verursachen.
H304 Kann bei Verschlucken und Eindringen in die Atemwege tödlich sein.
H315 Verursacht Hautreizungen.
H318 Verursacht schwere Augenschäden.
H400 Sehr giftig für Wasserorganismen.
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Sicherheitshinweise Prävention P270 Bei Gebrauch nicht essen, trinken oder rauchen.
P273 Freisetzung in die Umwelt vermeiden.
P280 Schutzhandschuhe/Schutzkleidung/Augenschutz/Gesichtsschutz tragen.

Reaktion P301+P310 BEI VERSCHLUCKEN: Sofort GIFTINFORMATIONSZENTRUM oder Arzt anrufen.
P302+P352 BEI KONTAKT MIT DER HAUT: Mit viel Wasser und Seife waschen.
P305+P351+P338 BEI KONTAKT MIT DEN AUGEN: Einige Minuten lang behutsam mit Wasser
spülen. Vorhandene Kontaktlinsen nach Möglichkeit entfernen.. Weiter spülen.
P331 KEIN Erbrechen herbeiführen.
P332+P313 Bei Hautreizung: Ärztlichen Rat einholen/ärztliche Hilfe hinzuziehen.
P361 Alle kontaminierten Kleidungsstücke sofort ausziehen.
P391 Verschüttete Mengen aufnehmen.

Gefahrenbestimmende Komponente(n) zur Etikettierung:

camphene
caryophellene crude
α-cedrene
cedrol
3-phenylpropen-2-ol
citral
citronellal
3,7-dimethyl-6-octen-1-ol (dl-citronellol)
3,7-dimethyl-6-octen-1-yl formate
trans-3,7-dimethyl-2,6-octadien-1-ol (geraniol)
3,7-dimethyl-2,6-octadien-1-yl-acetate
geranyl formate
menthone
limonene
linalool
linalyl acetate
dl-menthol
tr-menthone
1,6-octadiene,7-methyl-3-methylene-
ocimene (natural constituent)
para cymene
α-pinene
l-beta-pinene

2.3 Sonstige Gefahren

Dieser Stoff/diese Mischung enthält keine Komponenten, die als persistent, bioakkumulierbar und toxisch (PBT) oder sehr persistent und sehr bioakkumulierbar (vPvB) in Konzentrationen von 0,1 % oder höher eingestuft sind.

Angaben zur Ökologie: Der Stoff/das Gemisch enthält keine Bestandteile, die gemäß Artikel 57(f) der REACH-Verordnung oder der Delegierten Verordnung (EU) 2017/2100 der Kommission oder der Verordnung (EU) 2018/605 der Kommission in Konzentrationen von 0,1 % oder höher als endokrinschädliche Eigenschaften gelten.

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Angaben zur Toxikologie: Der Stoff/das Gemisch enthält keine Bestandteile, die gemäß Artikel 57(f) der REACH-Verordnung oder der Delegierten Verordnung (EU) 2017/2100 der Kommission oder der Verordnung (EU) 2018/605 der Kommission in Konzentrationen von 0,1 % oder höher als endokrinschädliche Eigenschaften gelten.

3. Zusammensetzung/Angaben zu Bestandteilen

3.2 Gemische

Gefährliche Inhaltsstoffe

<u>Chem Bezeichnung</u>	<u>CAS-Nr.</u> <u>REACH nr.</u>	<u>(VERORDNUNG (EG) Nr. 1272/2008)</u>	<u>Konzentration [%]</u>
camphene	79-92-5 01-2119446293-40-xxxx	H228Flammable solids (FS)1, 2 H400Hazardous to the aquatic environment, acute hazard (EH A)Category 1 H410Hazardous to the aquatic environment, long-term hazard (EH C)Category 1 M Factor Acute1;Chronic1	0.1 - 1%
caryophelene crude	87-44-5 01-2120745237-53-xxxx	H304Aspiration hazard (AH)Category 1 H317Sensitization, skin (SS 1 / 1B)Category 1 M Factor Acute10;Chronic10	1 - 5%
a-cedrene	469-61-4	H304Aspiration hazard (AH)Category 1 H315Skin corrosion/irritation (SCI)Category 2 H400Hazardous to the aquatic environment, acute hazard (EH A)Category 1 H410Hazardous to the aquatic environment, long-term hazard (EH C)Category 1 M Factor Acute10;Chronic10	1 - 5%
cedrol	77-53-2 01-2120790208-49-xxxx	H411Hazardous to the aquatic environment, long-term hazard (EH C)Category 1 2	1 - 5%

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3-phenylpropen-2-al	104-55-2	H312Acute toxicity, dermal (ATD)4 H315Skin corrosion/irritation (SCI)Category 2 H317+Sensitization, skin (SS 1A)Category 1 H319Serious eye damage/eye irritation (EDI)Category 2A H412Hazardous to the aquatic environment, long-term hazard (EH C)Category 3	0.01 - 0,1%
	01-2119935242-45-xxxx		

Acute toxicity estimate
Acute oral toxicity 2220 mg/kg
Acute dermal toxicity 1260 mg/kg

citral	5392-40-5	H315Skin corrosion/irritation (SCI)Category 2 H317Sensitization, skin (SS 1 / 1B)Category 1 H319Serious eye damage/eye irritation (EDI)Category 2A	10 - 25%
	01-2119462829-23-xxxx		

citronellal	106-23-0	H315Skin corrosion/irritation (SCI)Category 2 H317Sensitization, skin (SS 1 / 1B)Category 1 H319Serious eye damage/eye irritation (EDI)Category 2A	1 - 5%
	01-2119474900-37-xxxx		

Acute toxicity estimate
Acute oral toxicity 2500 mg/kg

3,7-dimethyl-6-octen-1-ol (dl-citronellol)	106-22-9	H315Skin corrosion/irritation (SCI)Category 2 H317Sensitization, skin (SS 1 / 1B)Category 1 H319Serious eye damage/eye irritation (EDI)Category 2A	1 - 5%
	01-2119453995-23-xxxx		

Acute toxicity estimate
Acute oral toxicity 3450 mg/kg
Acute dermal toxicity 2650 mg/kg

3,7-dimethyl-6-octen-1-yl formate	105-85-1	H315Skin corrosion/irritation (SCI)Category 2 H317Sensitization, skin (SS 1 / 1B)Category 1	0.1 - 1%
	01-2120132106-71-xxxx		

1,8-cineole	470-82-6	H226Flammable liquids (FL)Category 3 H317Sensitization, skin (SS 1 / 1B)Category 1	5 - 10%
	01-2119967772-24-xxxx		

Acute toxicity estimate
Acute oral toxicity 2480 mg/kg

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phenol, 4allyl-2-methoxy 97-53-0 H317Sensitization, skin (SS 1 / 1B)Category 1
H319Serious eye damage/eye irritation (ED)Category 2A 5 - 10%

01-2119971802-33-xxxx

trans-3,7-dimethyl-2,6-octadien-1-ol (geraniol) 106-24-1 H315Skin corrosion/irritation (SCI)Category 2
H317Sensitization, skin (SS 1 / 1B)Category 1
H318Serious eye damage/eye irritation (ED)1 1 - 5%

01-2119552430-49-xxxx

Acute toxicity estimate
Acute oral toxicity 3600 mg/kg

3,7-dimethyl-2,6-octadien-1-yl-acetate 105-87-3 H315Skin corrosion/irritation (SCI)Category 2
H317Sensitization, skin (SS 1 / 1B)Category 1
H412Hazardous to the aquatic environment, long-term hazard (EH C)Category 3 0.1 - 1%

01-2119973480-35-xxxx

geranyl formate 105-86-2 H317Sensitization, skin (SS 1 / 1B)Category 1
H400Hazardous to the aquatic environment, acute hazard (EH A)Category 1
H411Hazardous to the aquatic environment, long-term hazard (EH C)Category 2 0.1 - 1%

01-2120740956-44-xxxx

M Factor Acute1

menthone 10458-14-7 H315Skin corrosion/irritation (SCI)Category 2
H317Sensitization, skin (SS 1 / 1B)Category 1
H332Acute toxicity, inhalation (AT)Category 4 0.1 - 1%

01-2119983786-15-xxxx

Acute toxicity estimate
Acute oral toxicity 2219 mg/kg

limonene 5989-27-5 H226Flammable liquids (FL)Category 3
H304Aspiration hazard (AH)Category 1
H315Skin corrosion/irritation (SCI)Category 2
H317Sensitization, skin (SS 1 / 1B)Category 1
H400Hazardous to the aquatic environment, acute hazard (EH A)Category 1
H412Hazardous to the aquatic environment, long-term hazard (EH C)Category 3 1 - 5%

01-2119529223-47-xxxx

M Factor Acute1

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linalool	78-70-6	H315Skin corrosion/irritation (SCI)Category 2 H317Sensitization, skin (SS 1 / 1B)Category 1 H319Serious eye damage/eye irritation (EDI)Category 2A	1 - 5%
	01-2119474016-42-xxxx	Acute toxicity estimate Acute oral toxicity 2790 mg/kg	
linalyl acetate	115-95-7	H315Skin corrosion/irritation (SCI)Category 2 H317Sensitization, skin (SS 1 / 1B)Category 1	1 - 5%
	01-2119454789-19-xxxx		
dl-menthol	2216-51-5	H315Skin corrosion/irritation (SCI)Category 2	1 - 5%
	01-2119458866-21-xxxx		
tr-menthone	89-80-5	H315Skin corrosion/irritation (SCI)Category 2 H317Sensitization, skin (SS 1 / 1B)Category 1 H332Acute toxicity, inhalation (ATI)Category 4	1 - 5%
	01-2120741994-43-xxxx	Acute toxicity estimate Acute oral toxicity 2219 mg/kg	
1,6-octadiene,7-methyl -3-methylene-	123-35-3	H226Flammable liquids (FL)Category 3 H304Aspiration hazard (AH)Category 1 H315Skin corrosion/irritation (SCI)Category 2 H319Serious eye damage/eye irritation (EDI)Category 2A H400Hazardous to the aquatic environment, acute hazard (EH A)Category 1 H411Hazardous to the aquatic environment, long-term hazard (EH C)Category 2	0.1 - 1%
	01-2119514321-56-xxxx	M Factor Acute1	
ocimene (natural constituent)	13877-91-3	H226Flammable liquids (FL)Category 3 H304Aspiration hazard (AH)Category 1 H315Skin corrosion/irritation (SCI)Category 2 H400Hazardous to the aquatic environment, acute hazard (EH A)Category 1 H411Hazardous to the aquatic environment, long-term hazard (EH C)Category 2	0.1 - 1%
	01-2120739475-47-xxxx	M Factor Acute1 Acute toxicity estimate Acute oral toxicity 5000 mg/kg	

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para cymene	99-87-6	H226Flammable liquids (FL)Category 3 H304Aspiration hazard (AH)Category 1 H331Acute toxicity, inhalation (AT)3 H361Reproductive toxicity (REP)2 H411Hazardous to the aquatic environment, long-term hazard (EH C)Category 2	0.1 - 1%
	01-2119881770-31-xxxx		
		Acute toxicity estimate Acute oral toxicity 4750 mg/kg Acute inhalation toxicity: 9.7 mg/L	
alpha-pinene	80-56-8	H226Flammable liquids (FL)Category 3 H302Acute toxicity, oral (ATO)Category 4 H304Aspiration hazard (AH)Category 1 H315Skin corrosion/irritation (SCI)Category 2 H317Sensitization, skin (SS 1 / 1B)Category 1 H400Hazardous to the aquatic environment, acute hazard (EH A)Category 1 H410Hazardous to the aquatic environment, long-term hazard (EH C)Category 1	0.1 - 1%
	01-2119519223-49-xxxx		
		M Factor Acute1;Chronic1	
l-beta-pinene	18172-67-3	H226Flammable liquids (FL)Category 3 H304Aspiration hazard (AH)Category 1 H315Skin corrosion/irritation (SCI)Category 2 H317Sensitization, skin (SS 1 / 1B)Category 1 H400Hazardous to the aquatic environment, acute hazard (EH A)Category 1 H410Hazardous to the aquatic environment, long-term hazard (EH C)Category 1	0.1 - 1%
	01-2119519230-54-xxxx		
		M Factor Acute1;Chronic1	
terpinen-4-ol	562-74-3	H302Acute toxicity, oral (ATO)Category 4 H315Skin corrosion/irritation (SCI)Category 2 H317Sensitization, skin (SS 1 / 1B)Category 1 H332Acute toxicity, inhalation (AT)Category 4 H336Specific target organ toxicity, single exposure; Narcotic effects (STO-SE (NE))3	0.1 - 1%
	01-2120748638-40-xxxx		
		Acute toxicity estimate Acute oral toxicity 1300 mg/kg	
1-methyl-4-(1-methylethyl)-1,4-cyclo-	99-85-4	H226Flammable liquids (FL)Category 3 H304Aspiration hazard (AH)Category 1 H361Reproductive toxicity (REP)2 H411Hazardous to the aquatic environment, long-term hazard (EH C)Category 2	0.1 - 1%
	01-2120780478-40-xxxx		
		Acute toxicity estimate Acute oral toxicity 3650 mg/kg	
2-mentha-1,4(8)-diene	586-62-9	H304Aspiration hazard (AH)Category 1 H317Sensitization, skin (SS 1 / 1B)Category 1 H400Hazardous to the aquatic environment, acute hazard (EH A)Category 1 H410Hazardous to the aquatic environment, long-term hazard (EH C)Category 1	0.1 - 1%
	01-2119982325-32-xxxx		
		M Factor Acute1;Chronic1 Acute toxicity estimate Acute oral toxicity 3775 mg/kg	

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vetiveria zizaniodes	84238-29-9	H304Aspiration hazard (AH)Category 1	0.1 - 1%
stapf. root oil		H411Hazardous to the aquatic environment, long-term hazard (EH C)Category 2	

01-2120119716-55-xxxx

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Den Volltext der in diesem Abschnitt aufgeführten Gefahrenhinweise finden sie unter Abschnitt 16.

4. Erste-Hilfe-Maßnahmen

4.1 Beschreibung der Erste-Hilfe-Maßnahmen

Allgemeine Hinweise	Betroffene aus dem Gefahrenbereich bringen. Dem behandelnden Arzt dieses Sicherheitsdatenblatt vorzeigen. Betroffenen nicht unbeaufsichtigt lassen.
Nach Einatmen	Bei Bewusstlosigkeit stabile Seitenlage anwenden und ärztlichen Rat einholen. Bei anhaltenden Beschwerden einen Arzt aufsuchen.
Nach Hautkontakt	Wenn auf der Haut, gut mit Wasser abspülen.
Nach Augenkontakt	Bei Berührung mit den Augen sofort gründlich mit viel Wasser spülen. Kontaktlinsen entfernen. Unverletztes Auge schützen. Auge weit geöffnet halten beim Spülen. Bei anhaltender Augenreizung einen Facharzt aufsuchen.
Nach Verschlucken	Atemwege freihalten. Weder Milch noch alkoholische Getränke verabreichen. Nie einer ohnmächtigen Person etwas durch den Mund einflößen. Patient umgehend in ein Krankenhaus bringen.

4.2 Wichtigste akute oder verzögert auftretende Symptome und Wirkungen

Symptome	Keine Daten verfügbar
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5. Maßnahmen zur Brandbekämpfung

5.1 Löschmittel

Geeignete Löschmittel	Löschmaßnahmen auf die Umgebung abstimmen.
Ungeeignete Löschmittel	Wasservollstrahl

5.2 Besondere vom Stoff oder Gemisch ausgehende Gefahren

Besondere Gefahren bei der Brandbekämpfung	Ablaufendes Wasser von der Brandbekämpfung nicht ins Abwasser oder in Wasserläufe gelangen lassen.
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5.3 Hinweise für die Brandbekämpfung

Besondere Schutzausrüstung für die Brandbekämpfung	Im Brandfall, wenn nötig, umgebungsluftunabhängiges Atemschutzgerät tragen.
Weitere Information	Kontaminiertes Löschwasser getrennt sammeln, darf nicht in die Kanalisation gelangen. Brandrückstände und kontaminiertes Löschwasser müssen entsprechend den örtlichen behördlichen Vorschriften entsorgt werden.

6. Maßnahmen bei unbeabsichtigter Freisetzung

6.1 Personenbezogene Vorsichtsmaßnahmen, Schutzausrüstungen und in Notfällen anzuwendende Verfahren

Personenbezogene Vorsichtsmaßnahmen	Persönliche Schutzausrüstung verwenden.
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6.2 Umweltschutzmaßnahmen

Umweltschutzmaßnahmen	Vorsorge treffen, dass das Produkt nicht in die Kanalisation gelangt. Weiteres Auslaufen oder Verschütten verhindern, wenn dies ohne Gefahr möglich ist. Bei der Verunreinigung von Gewässern oder der Kanalisation die zuständigen Behörden in Kenntnis setzen.
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6.3 Methoden und Material für Rückhaltung und Reinigung

Reinigungsverfahren	Mit flüssigkeitsbindendem Material aufnehmen (z.B. Sand, Silikagel, Säurebindemittel, Universalbindemittel, Sägemehl). Zur Entsorgung in geeignete und verschlossene Behälter geben.
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6.4 Verweis auf andere Abschnitte

nicht anwendbar

7. Handhabung und Lagerung

7.1 Schutzmaßnahmen zur sicheren Handhabung

Hinweise zum sicheren Umgang

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Exposition vermeiden - vor Gebrauch besondere Anweisungen einholen.
Berührung mit den Augen und der Haut vermeiden.
Persönliche Schutzausrüstung siehe unter Abschnitt 8.
Bei der Arbeit nicht essen, trinken, rauchen.
Spülwasser ist in Übereinstimmung mit örtlichen und nationalen behördlichen Bestimmungen zu entsorgen.

Hinweise zum Brand- und Explosionsschutz	Übliche Maßnahmen des vorbeugenden Brandschutzes.
Temperaturklasse	Keine Daten verfügbar
Brandklasse	Keine Daten verfügbar
Staubexplosionsklasse	Keine Daten verfügbar

7.2 Bedingungen zur sicheren Lagerung unter Berücksichtigung von Unverträglichkeiten

Anforderungen an Lagerräume und Behälter	Behälter dicht verschlossen an einem trockenen, gut belüfteten Ort aufbewahren. Geöffnete Behälter sorgfältig verschließen und aufrecht lagern um jegliches Auslaufen zu verhindern. Elektrische Einrichtungen/Betriebsmittel müssen dem Stand der Sicherheitstechnik entsprechen.
Weitere Angaben zu Lagerbedingungen	Keine Daten verfügbar
Lagerbedingungen Zusammenlagerungshinweise	Keine Daten verfügbar
Lagerklasse (LGK)	Keine Daten verfügbar
Sonstige Angaben	Keine Zersetzung bei bestimmungsgemäßer Lagerung und Anwendung.

7.3 Spezifische Endanwendungen

Bestimmte Verwendung(en)	Keine Daten verfügbar
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8. Begrenzung und Überwachung der Exposition/Persönliche Schutzausrüstungen

8.1 Zu überwachende Parameter

BENZALDEHYDE

Workingprogram : Limits Finland 2007 Limits : 1 parts per million Publication : Julkaisuja 2007:4

CAMPHOR

Workingprogram : Limits Finland 2007 Limits : 0,3 parts per million Publication : Julkaisuja 2007:4

Workingprogram : Limits Denemarken 2007 Limits : 2 parts per million Publication : Arbejdstilsynet; Grænseværdier for stoffer og materialer, augustus 007 (publicatie C.0.1)

Workingprogram : Limits Frankrijk 2008 Limits : 2 parts per million Publication : Valeurs limites d'exposition professionnelle aux agents chimiques en France; INRS ED 984; juni 2008

Workingprogram : Limits Noorwegen 2010 Limits : 2 parts per million Publication : Administrative normer for forurensning i arbeidsatmosfære; 13. utgave november 2009; Arbeidstilsynet

Workingprogram : Limits België 2009 Limits : 2 parts per million Publication : Belgisch Staatsblad 19 mei 2009; N. 2009 - 2065

Workingprogram : Limits Oostenrijk 2007 Limits : 2 parts per million Publication : Grenzwerteverordnung 2007 - GKV 2007

Workingprogram : Limits Zwitserland Limits : 2 parts per million Publication : SuvaPro Grenzwerte am Arbeitsplatz 2009

Workingprogram : Limits Verenigd Koninkrijk 2007 Limits : 2 parts per million Publication : EH40/2005

Workingprogram : Limits Spanje 2010 Limits : 2 parts per million Publication : Límites de Exposición Profesional para Agentes Químicos en España, Mayo 2010; Ministerio de Trabajo e Inmigración, INSHT

Workingprogram : Werkprogramma Herevaluatie bestaande Limits Limits : Publication : 2000/15 OSH/018

LIMONENE

Workingprogram : Werkprogramma Overname buitenlandse Limits (dossier 11) Limits : 110 milligram per kubieke meter Publication : 38975

Workingprogram : Limits Duitsland-AGS Limits : 20 parts per million Publication : TRGS 900

Workingprogram : Limits Zwitserland Limits : 20 parts per million Publication : SuvaPro Grenzwerte am Arbeitsplatz 2009

Workingprogram : Limits Noorwegen 2010 Limits : 25 parts per million Publication : Administrative normer for forurensning i arbeidsatmosfære; 13. utgave november 2009; Arbeidstilsynet

Workingprogram : Limits Noorwegen 2010 Limits : 25 parts per million Publication : Administrative normer for forurensning i arbeidsatmosfære; 13. utgave november 2009; Arbeidstilsynet

Workingprogram : Limits Noorwegen 2010 Limits : 25 parts per million Publication : Administrative normer for forurensning i arbeidsatmosfære; 13. utgave november 2009; Arbeidstilsynet

Workingprogram : Limits Finland 2007 Limits : 25 parts per million Publication : Julkaisuja 2004:4

PARA CYMENE

Workingprogram : Limits Denemarken 2007 Limits : 25 parts per million Publication : Arbejdstilsynet; Grænseværdier for stoffer og materialer, augustus 2007 (publicatie C.0.1)

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Workingprogram : Limits Zweden 2005 Limits : 25 parts per million Publication : AFS 2005:17

PINENE ALPHA

Workingprogram : Limits België 2009 Limits : 20 parts per million Publication : Belgisch Staatsblad 19 mei 2009; N. 2009- -2065

Workingprogram : Limits Zweden 2005 Limits : 25 parts per million Publication : AFS 2005:17

Workingprogram : Limits Noorwegen 2010 Limits : 25 parts per million Publication : Administrative normer for forurensning i arbeidsatmosfaere; 13. utgave november 2009; Arbeidstilsynet

PINENE BETA

Workingprogram : Limits België 2009 Limits : 20 parts per million Publication : Belgisch Staatsblad 19 mei 2009; N. 2009- -2065

Workingprogram : Limits Noorwegen 2010 Limits : 25 parts per million Publication : Administrative normer for forurensning i arbeidsatmosfaere; 13. utgave november 2009; Arbeidstilsynet

Workingprogram : Limits Zweden 2005 Limits : 25 parts per million Publication : AFS 2005:17

8.2 Begrenzung und Überwachung der Exposition

Persönliche Schutzausrüstung

Handschutz	Schutzhandschuhe tragen. Handschuhe müssen der Norm EN 374-1 / 2/3 entsprechen. Geeignetes Material: Nitril Durchbruchzeit (maximale Tragedauer):> 30 min. Materialstärke: 0,13 mm
Augenschutz	Augenspülflasche mit reinem Wasser Dicht schließende, Schutzbrille mit Seitenschutz der Norm EN 166. Tragen Sie Gesichtsschild und Schutzanzug Bei Verarbeitungsschwierigkeiten.
Haut- und Körperschutz :	undurchlässige Schutzkleidung. Den Körperschutz je nach Menge und Konzentration der gefährlichen Substanz am Arbeitsplatz aussuchen.
Hygienemaßnahmen	Bei der Arbeit nicht essen und trinken. Bei der Arbeit nicht rauchen. Vor den Pausen und bei Arbeitsende Hände waschen.

Begrenzung und Überwachung der Umweltextposition

Allgemeine Hinweise	Vorsorge treffen, dass das Produkt nicht in die Kanalisation gelangt. Weiteres Auslaufen oder Verschütten verhindern, wenn dies ohne Gefahr möglich ist. Bei der Verunreinigung von Gewässern oder der Kanalisation die zuständigen Behörden in Kenntnis setzen.
---------------------	--

9. Physikalische und chemische Eigenschaften

9.1 Angaben zu den grundlegenden physikalischen und chemischen Eigenschaften

Aggregatzustand	flüssig
Form	flüssig
Farbe	unbestimmt
Geschmack	unbestimmt
Geruchsschwelle :	nicht anwendbar
Aggregatzustand	flüssig
Flammpunkt	84°C
Untere Explosionsgrenze	unbestimmt
Obere Explosionsgrenze	unbestimmt
Entzündbarkeit (fest,gasförmig)	nicht anwendbar
Oxidierende Eigenschaften	Keine Daten verfügbar
Selbstentzündungstemperatur	unbestimmt
Zersetzungstemperatur	Keine Daten verfügbar
pH-Wert	unbestimmt
Schmelzpunkt	unbestimmt
Siedepunkt	unbestimmt
Dampfdruck	unbestimmt
Dichte	unbestimmt
Schüttdichte	nicht anwendbar
Wasserlöslichkeit	unbestimmt
Löslichkeit	praktisch unlöslich
Verteilungskoeffizient: n-Octanol/Wasser	nicht anwendbar
Viskosität, kinematisch	Keine Daten verfügbar
Relative Dampfdichte	Keine Daten verfügbar
Verdampfungsgeschwindigkeit	Keine Daten verfügbar
Explosive Eigenschaften	Keine Daten verfügbar

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9.2 Sonstige Informationen nicht anwendbar

10. Stabilität und Reaktivität

10.1 Reaktivität kein(e,er)

10.2 Chemische Stabilität Das Produkt ist chemisch stabil.

10.3 Möglichkeit gefährlicher Reaktionen

Gefährliche Reaktionen Keine Zersetzung bei bestimmungsgemäßer Lagerung und Anwendung.

10.4 Zu vermeidende Bedingungen

Zu vermeidende Bedingungen Keine Daten verfügbar

10.5 Unverträgliche Materialien

Zu vermeidende Stoffe Keine Daten verfügbar

10.6 Gefährliche Zersetzungsprodukte

Gefährliche Zersetzungsprodukte

Keine Daten verfügbar

Thermische Zersetzung

Keine Daten verfügbar

11. Toxikologische Angaben

11.1 Angaben zu Gefahrenklassen gemäß Verordnung (EG) Nr. 1272/2008

Akute orale Toxizität Schätzwert Akuter Toxizität Dosis mg/kg : 2547

Methode Rechenmethode

Akute inhalative Toxizität Schätzwert Akuter Toxizität Dosis mg/ltr:

Methode Rechenmethode Für das Produkt selber sind keine Daten vorhanden.

Akute dermale Toxizität Schätzwert Akuter Toxizität Dosis mg/kg : 2650

Methode Rechenmethode

Akute Toxizität (andere Verabreichungswege)

Für das Produkt selber sind keine Daten vorhanden.

Ätz-/Reizwirkung auf die Haut

Hautreizung Für das Produkt selber sind keine Daten vorhanden.

Schwere Augenschädigung/-reizung

Augenreizung Für das Produkt selber sind keine Daten vorhanden.

Sensibilisierung der Atemwege/Haut

Sensibilisierung Für das Produkt selber sind keine Daten vorhanden.

Keimzell-Mutagenität

Keimzell-Mutagenität Für das Produkt selber sind keine Daten vorhanden.

Karzinogenität

Karzinogenität Für das Produkt selber sind keine Daten vorhanden.

Reproduktionstoxizität

Reproduktionstoxizität Für das Produkt selber sind keine Daten vorhanden.

Zielorgan Systemischer Giftstoff - Einmalige Exposition

Zielorgan Systemischer Giftstoff - Einmalige Exposition

Für das Produkt selber sind keine Daten vorhanden.

Zielorgan Systemischer Giftstoff - Wiederholte Exposition

Zielorgan Systemischer Giftstoff - Wiederholte Exposition

Für das Produkt selber sind keine Daten vorhanden.

Aspirationsgefahr

Aspirationstoxizität Für das Produkt selber sind keine Daten vorhanden.

Phototoxizität

Phototoxizität Für das Produkt selber sind keine Daten vorhanden.

Weitere Information

Keine Daten verfügbar

11.2 Informationen zu sonstigen Gefahren

Endokrine störende Eigenschaften

Beurteilung

Der Stoff/das Gemisch enthält keine Bestandteile, die gemäß Artikel 57(f) der REACH-Verordnung oder der Delegierten Verordnung (EU) 2017/2100 der Kommission oder der Verordnung (EU) 2018/605 der Kommission in Konzentrationen von 0,1 % oder höher als endokrinschädliche Eigenschaften gelten.

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Weitere Information

Keine Daten verfügbar

12. Umweltbezogene Angaben

12.1 Toxizität

Toxizität gegenüber Fischen Keine Daten verfügbar
Toxizität gegenüber Daphnien und anderen wirbellosen Wassertieren. Keine Daten verfügbar
Toxizität gegenüber Algen Keine Daten verfügbar
Toxizität gegenüber Bakterien Keine Daten verfügbar
Toxizität gegenüber Fischen (Chronische Toxizität) Keine Daten verfügbar
Toxizität gegenüber Daphnien und anderen wirbellosen Wassertieren. (Chronische Toxizität) Keine Daten verfügbar
Akute aquatische Toxizität Keine Daten verfügbar
Chronische aquatische Toxizität Keine Daten verfügbar
Toxizität im Boden Keine Daten verfügbar
Andere umweltrelevante Organismen Keine Daten verfügbar

12.2 Persistenz und Abbaubarkeit

Biologische Abbaubarkeit Keine Daten verfügbar
Biodegradability BO (Biodegradable Organics) % 84,7

12.3 Bioakkumulationspotenzial

Bioakkumulation Keine Daten verfügbar

12.4 Mobilität im Boden

Mobilität Keine Daten verfügbar
Verteilung zwischen den Umweltkompartimenten Keine Daten verfügbar
Zusätzliche Hinweise erbleib und Verhalten in der Umwelt Keine Daten verfügbar
Physikalisch-chemische Beseitigung Keine Daten verfügbar

12.5 Ergebnisse der PBT- und vPvB-Beurteilung

Beurteilung

Dieser Stoff/diese Mischung enthält keine Komponenten, die als persistent, bioakkumulierbar und toxisch (PBT) oder sehr persistent und sehr bioakkumulierbar (vPvB) in Konzentrationen von 0,1 % oder höher eingestuft sind.

12.6 Endokrine störende Eigenschaften

Beurteilung

Der Stoff/das Gemisch enthält keine Bestandteile, die gemäß Artikel 57(f) der REACH-Verordnung oder der Delegierten Verordnung (EU) 2017/2100 der Kommission oder der Verordnung (EU) 2018/605 der Kommission in Konzentrationen von 0,1 % oder höher als endokrinschädliche Eigenschaften gelten.

12.7 Andere schädliche Wirkungen

Biochemischer Sauerstoffbedarf (BSB) Keine Daten verfügbar
Gelöster organischer Kohlenstoff (DOC) Keine Daten verfügbar
Chemischer Sauerstoffbedarf (CSB) Keine Daten verfügbar
Adsorb. org. gebundenes Halogen (AOX) Keine Daten verfügbar

Sonstige ökologische Hinweise

Eine Umweltgefährdung kann bei unsachgemäßer Handhabung oder Entsorgung nicht ausgeschlossen

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werden.

13. Hinweise zur Entsorgung

13.1 Verfahren zur Abfallbehandlung

Produkt Das Eindringen des Produkts in die Kanalisation, in Wasserläufe oder in den Erdboden soll verhindert werden.
Keine stehenden oder fließenden Gewässer mit Chemikalien oder Verpackungsmaterial verunreinigen.
Übergabe an zugelassenes Entsorgungsunternehmen.
Verunreinigte Verpackungen Reste entleeren.
Wie ungebrauchtes Produkt entsorgen. Leere Behälter nicht wieder verwenden.
Abfallentsorgung unter Beachtung nationaler oder regionaler Bestimmungen

14. Angaben zum Transport

ADR/RID/ADN

UNnummer UN-nummer 3082 (Umweltgefährdende Stoffe, flüssig, NAG)
Warenbeschreibung (a-cedrene & cedrol)
Gefahrenklasse(n) Transport /Verpackungsgruppe 9 PG III
Umweltgefährlich ja
Zusätzliche Information Sondervorschrift 375: Dieses Produkt unterliegt nicht den anderen Bestimmungen des ADR, wenn es in Größen von $\leq 5L$ oder $\leq 5Kg$ befördert wird, sofern die Verpackung den allgemeinen Vorschriften der Abschnitte 4.1.1.1, 4.1.1.2 und 4.1.1.4 bis 4.1.1.8 entspricht.

IATA/ICAO

UNnummer UN-nummer 3082 (Umweltgefährdende Stoffe, flüssig, NAG)
Warenbeschreibung (a-cedrene & cedrol)
Gefahrenklasse(n) Transport /Verpackungsgruppe 9 PG III
Umweltgefährlich ja
Zusätzliche Information Sondervorschrift A197: Dieses Produkt unterliegt nicht den anderen Bestimmungen der IATA, wenn es in Größen von $\leq 5L$ oder $\leq 5kg$ befördert wird, sofern die Verpackung den allgemeinen Vorschriften der Abschnitte 5.0.2.4.1, 5.0.2.6.1.1 und 5.0.2.8 entspricht.

IMDG

UNnummer UN-nummer 3082 (Umweltgefährdende Stoffe, flüssig, NAG)
Warenbeschreibung (a-cedrene & cedrol)
Gefahrenklasse(n) Transport /Verpackungsgruppe 9 PG III
Meeresverschmutzung ja
Zusätzliche Information IMDG 2.10.2.7: Dieses Produkt unterliegt nicht den anderen Bestimmungen des IMDG, wenn es in Größen von $\leq 5L$ oder $\leq 5Kg$ befördert wird, sofern die Verpackung den allgemeinen Vorschriften der Abschnitte 4.1.1.1, 4.1.1.2 und 4.1.1.4 bis 4.1.1.8 entspricht.

15. Rechtsvorschriften

15.1 Vorschriften zu Sicherheit, Gesundheits- und Umweltschutz/spezifische Rechtsvorschriften für den Stoff oder das Gemisch

ABM Cat Water hazard class NL (ABM) Cat A1
WGK WGK3

15.2 Stoffsicherheitsbeurteilung

Eine chemische Sicherheitsbewertung ist für diesen Stoff nicht erforderlich

16. Sonstige Angaben

Volltext der Gefahrenhinweise in Abschnitt 2 und 3.

H226 Flüssigkeit und Dampf entzündbar.
H332 Gesundheitsschädlich bei Einatmen.
H228 Entzündbarer Feststoff.
H302 Gesundheitsschädlich bei Verschlucken.
H304 Kann bei Verschlucken und Eindringen in die Atemwege tödlich sein.
H312 Gesundheitsschädlich bei Hautkontakt.
H315 Verursacht Hautreizungen.
H317 Kann allergische Hautreaktionen verursachen.

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H318 Verursacht schwere Augenschäden.

H319 Verursacht schwere Augenreizung.

H336 Kann Schläfrigkeit und Benommenheit verursachen.

H361 Kann vermutlich die Fruchtbarkeit beeinträchtigen oder das Kind im Mutterleib schädigen < konkrete Wirkung angebe,n sofern bekannt

> <Expositionsweg angeben, sofern schlüssig belegt ist, dass die Gefahr bei keinem anderen Expositionsweg besteht>

H400 Sehr giftig für Wasserorganismen.

H410 Sehr giftig für Wasserorganismen mit langfristiger Wirkung.

H411 Giftig für Wasserorganismen, mit langfristiger Wirkung..

H412 Schädlich für Wasserorganismen, mit langfristiger Wirkung.

Die Angaben in diesem Sicherheitsdatenblatt entsprechen nach bestem Wissen unseren Erkenntnissen zum Zeitpunkt der Überarbeitung.

Die Informationen sollen Ihnen Anhaltspunkte für den sicheren Umgang mit dem in diesem Sicherheitsdatenblatt genannten Produkt bei Lagerung, Verarbeitung, Transport und Entsorgung geben. Die Angaben sind nicht übertragbar auf andere Produkte. Soweit das in diesem Sicherheitsdatenblatt genannte Produkt mit anderen Materialien vermengt, vermischt oder verarbeitet wird, oder einer Bearbeitung unterzogen wird, können die Angaben in diesem Sicherheitsdatenblatt, soweit sich hieraus nicht ausdrücklich etwas anderes ergibt, nicht auf das so gefertigte neue Material übertragen werden.

Fragrance ingredients restricted as potential allergens in the extended list amending ANNEX III of
EUROPEAN COSMETIC REGULATION (EC) No1223/2009

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Product **0-10630-4** **PARFÜMÖL REPEL**

<u>Ingredient Name (INCI)</u>	<u>CAS-Nr</u>	<u>Concentration [%]</u>
3-propylidenephthalide	17369-59-4	--
6-methyl coumarin	92-48-8	--
acetyl cedrene	32388-55-9	--
alpha-isomethyl ionone	127-51-5	--
alpha-terpinene	99-86-5	--
amyl cinnamal	122-40-7	--
amyl salicylate	2050-08-0	--
amylcinnamyl alcohol	101-85-9	--
anethole	104-46-1/ 4180-23-8	--
anise alcohol	105-13-5	--
benzaldehyde	100-52-7	0,002
benzyl alcohol	100-51-6	--
benzyl benzoate	120-51-4	0,035
benzyl cinnamate	103-41-3	--
benzyl salicylate	118-58-1	--
beta-caryophyllene	87-44-5	1,124
camphor	76-22-2/ 21368-68-3/ 464-49-3/ 464-48-2	0,410
cananga odorata oil/extract	83863-30-3/ 8006-81-3/ 68606-83-7/ 93686-30-7	--
carvone	99-49-0/ 6485-40-1/ 2244-16-8	0,013
cedrus atlantica oil/extract	92201-55-3/ 8023-85-6	--
cinnamal	104-55-2	0,015
cinnamomum cassia leaf oil	8007-80-5/ 84961-46-6	--
cinnamomum zeylanicum bark oil	8015-91-6/ 84649-98-9	1,000
cinnamyl alcohol	104-54-1	--
citral	5392-40-5/ 141-27-5/ 106-26-3	14,547
citronellol	106-22-9/ 26489-01-0/ 1117-61-9/ 7540-51-4	2,165
citrus aurantium bergamia peel oil	8007-75-8/ 89957-91-5/ 68648-33-9/ 85049-52-1	--
citrus aurantium flower oil	72968-50-4/ 8028-48-6/ 8016-38-4	--
citrus aurantium peel oil	68916-04-1/ 72968-50-4/ 97766-30-8/ 8028-48-6/ 8008-57-9	--
citrus limon peel oil	84929-31-7/ 8008-56-8	--
coumarin	91-64-5	--
dimethyl phenethyl acetate	151-05-3	--

Fragrance ingredients restricted as potential allergens in the extended list amending ANNEX III of
EUROPEAN COSMETIC REGULATION (EC) No1223/2009

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Product **0-10630-4** **PARFÜMÖL REPEL**

<u>Ingredient Name (INCI)</u>	<u>CAS-Nr</u>	<u>Concentration [%]</u>
eucalyptus globulus oil	97926-40-4/ 8000-48-4	10,000
eugenia caryophyllus oil	8000-34-8/ 8015-97-2/ 84961-50-2	5,000
eugenol	97-53-0	5,072
eugenyl acetate	93-28-7	--
evernia furfuracea extr	90028-67-4	--
evernia prunastri extract	90028-68-5	--
farnesol	4602-84-0	--
geraniol	106-24-1	2,071
geranyl acetate	105-87-3	0,348
hexadecanolactone	109-29-5	--
hexamethylindanopyran	1222-05-5	--
hexyl cinnamal	101-86-0	--
hydroxycitronellal	107-75-5	--
isoeugenol	97-54-1/ 5932-68-3/ 5912-86-7	0,001
isoeugenyl acetate	93-29-8/5912-87-8	--
jasmine oil/extract	84776-64-7/ 90045-94-6/ 8022-96-6/ 8024-43-9	--
juniperus virginiana oil	8000-27-9/ 85085-41-2	--
laurus nobilis leaf oil	8002-41-3/ 8007-48-5/ 84603-73-6	--
lavandula oil/ extract	91722-69-9/ 8022-15-9/ 93455-96-0/ 93455-97-1/ 92623-76-2/ 84776-65-8/ 8000-28-0/ 90063-37-9	5,000
lemongrass oil	8007-02-1/ 89998-16-3/ 91844-92-7	10,000
limonene	138-86-3/ 7705-14-8/ 5989-27-5/ 5989-54-8	4,140
linalool	78-70-6	2,289
linalyl acetate	115-95-7	1,550
lippia citriodora absolute	8024-12-2/ 85116-63-8	--
mentha piperita oil	8006-90-4/ 84082-70-2	--
mentha viridis leaf oil	8008-79-5/ 84696-51-5	--
menthol	89-78-1/ 1490-04-6/ 2216-51-5/ 15356-60-2	2,160
methyl 2-octynoate	111-12-6	--
methyl salicylate	119-36-8	0,005
myroxylon pereirae oil/extract	8007-00-9	--
narcissus extract	90064-26-9/ 68917-12-4/ 90064-27-0/ 90064-25-8	--
pelargonium graveolens flower oil	90082-51-2/ 8000-46-2	5,000

Fragrance ingredients restricted as potential allergens in the extended list amending ANNEX III of
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Product **0-10630-4** **PARFÜMÖL REPEL**

<u>Ingredient Name (INCI)</u>	<u>CAS-Nr</u>	<u>Concentration [%]</u>
pinene	80-56-8/ 7785-70-8/ 127-91-3/ 18172-67-3	1,004
pinus mugo	90082-72-7	--
pinus pumila	97676-05-6	--
pogostemon cablin oil	8014-09-3/ 84238-39-1	--
rose flower oil/extract	8007-01-0/ 90106-38-0/ 93334-48-6/ 84696-47-9/ 84604-12-6/ 84604-13-7/ 92347-25-6	--
rose ketones	43052-87-5/ 23726-94-5/ 24720-09-0/ 23696-85-7/ 57378-68-4/ 71048-82-3/ 23726-92-3/ 23726-91-2	--
salicylaldehyde	90-02-8	--
santalol	11031-45-1/ 115-71-9/ 77-42-9	--
santalum album oil	8006-87-9/ 84787-70-2	--
sclareol	515-03-7	--
terpineol	8000-41-7/ 98-55-5/ 138-87-4/ 586-81-2	0,055
terpinolene	586-62-9	0,335
tetramethylacetyloctahydronaphthalenes	54464-57-2/ 54464-59-4/ 68155-66-8/ 68155-67-9	--
trimethylbenzenepropanol	103694-68-4	--
trimethylcyclopentenylmethylisopenenol	67801-20-1	--
turpentine	9005-90-7/ 8006-64-2/ 8052-14-0	--
vanillin	121-33-5	--

On 27 July 2023, the EU Regulation extending the list of fragrance allergens to be labelled in cosmetic products was published in the Official Journal of the European Union.

The Regulation has updated Annex III of the Cosmetic products Regulation with 56 new fragrance ingredients for which the presence should be indicated on the label in case of being above the established thresholds for leave-on and rinse off products (0,001 and 0,01%).

The regulation enters into force on 16 August 2023, with a transition period of 3 years for new products and 5 years for existing products.

With kind regards,

Holland Aromatics BV
Regulatory Affairs & Product Safety, Fragrances

generated electronically, No signature

This certificate is generated by calculation based on data for ingredients. The data in this document has been prepared by Holland Aromatics in accordance with Holland Aromatics' internal protocols and procedures in order to evaluate characteristics and/or performance. Detection limit for calculation is ten ppm. The information contained herein is, to the best of Holland Aromatic's knowledge, true and accurate at the time it is given. It is provided to Customer for its information and internal use only. Holland Aromatics is not liable for any damages that may result from the misuse of the data. It is Customer's responsibility to perform its own evaluations on the material evaluated herein, including with respect to end-use applications. Any Customer product, marketing or other claims are Customer's sole responsibility. A concentration represented by "0,000" corresponds to <10 ppm.

Code 0-10630-4

PARFÜMÖL REPEL

19-08-2025

To whom it concerns

Musk statement

product 0-10630-4 PARFÜMÖL REPEL contains the following ingredients:

0,00 % (Musk) Nitromusk
0,00 % (Musk) Polycyclic musk
0,00 % (Musk) Macrocyclic musk

Vegan declaration

We have reviewed this product and declare that, to the best of our knowledge, it is suitable for the Vegan diet. Vegan products do not contain animal ingredients (mammalian, poultry, fish, shellfish, mollusk, insects) as well as ingredients derived from animal such as dairy, eggs and bee products or animal enzymes.

GMO directly added

(Declaration Limit: 0,01%)

According to the formulation – this fragrance oil does not contain ingredients produced on the basis of genetically modified organisms.

Animal Testing

We herewith confirm that our fragrances have not been the subject of animal testing by or on behalf of our company.

BSE / TSE

(Declaration Limit: 0,01%)

Our fragrances are mixtures of natural (plant origin) and synthetic products. To the best of our knowledge it does not contain any ingredients which may be suspected of BSE / TSE.

Heavy metals

Holland Aromatics does not use any heavy metal for direct addition into fragrances, bases and ingredients. Holland Aromatics does not undertake routine analysis on heavy metals and the potential presence of heavy metals in ingredient is of the order of magnitude of unavoidable traces. Based on our experience and to the best of our knowledge, the total quantity of heavy metals that may be present in this product are significantly below the limits defined in applicable regulations.

Nanomaterials

We certify, to the best of our knowledge, that this product does not contain any ingredient defined as a nanomaterial according to the article 2 of Cosmetic Regulation 1223/2009.

“Nanomaterial” means an insoluble or biopersistent and intentionally manufactured material with one or more external dimensions, or an internal structure, on the scale from 1 to 100nm.

STATEMENT

Code 0-10630-4
PARFÜMÖL REPEL

19-08-2025

Palm Oil (PO) / Palm Kernel Oil (PKO) statement

This product contains the following ingredients:

0,000 % Palm Oil (PO) or Palm Kernel Oil (PKO)
0,000 % Palm Kernel Oil Derivative

RSPO Certified	Yes
Holland Aromatics Certificate No.	CU-RSPO SCC-867028
Supply Chain Model	Mass Balance
Certificate Start Date	16 October 2019



HICC (Lyril), atranol and chloratranol

Please note that Commission Regulation (EU) 2017/1410 of 2 August 2017 amending Annexes II and III to Regulation (EC) No 1223/2009 of the European Parliament and of the Council on cosmetic products has been published in the Official Journal of August 3rd, 2017.

HICC, Atranol and chloratranol have been added to Annex II of the Cosmetic Products Regulation (list of substances prohibited in cosmetic products) with the entries 1380, 1381 and 1382:

- 3-(4-Hydroxy-4-methylpentyl) cyclohex-3-ene-1-carbaldehyde [CAS# 51414-25-6]
- 4-(4-Hydroxy-4-methylpentyl) cyclohex-3-ene-1-carbaldehyde [CAS# 31906-04-4]
- Atranol [CAS# 526-37-4]
- chloratranol [CAS# 57074-21-2]

Commission Regulation (EU) 2017/1410 also deletes the Annex III entry (79) for HICC with application from 23rd August 2021.

The presence of atranol and chloratranol, being natural components of oak tree moss and treemoss extracts¹, is banned above technically unavoidable traces in good manufacturing practice. As purity requirements for both moss extracts have been established in IFRA Standards since 2009, all products on shelves should be compliant by the entry into force of this regulation.

The transitional periods are the following:

- From 23 August 2019, cosmetic products containing one or more of these substances shall not be placed on the European Union market.
- From 23 August 2021, cosmetic products containing one or more of these substances shall not be made available on the Union market.

0,000 % • HICC (Lyril)
0,000 % • Atranol [CAS# 526-37-4]
0,000 % • Chloratranol [CAS# 57074-21-2]

Code 0-10630-4
PARFÜMÖL REPEL

19-08-2025

BMHCA (Lilial) ban in cosmetics

The 15th ATP1 to the EU CLP2 regulation, COMMISSION DELEGATED REGULATION (EU) 2020/1182, has been published on August 11th, 2020, in the Official Journal and will apply from 1 March 2022. It lists BMHCA (Lilial) on Annex VI as toxic for Reproduction category 1B (Rep. 1B, H360Fd).

Subsequently, BMHCA (Lilial) will be banned for the use in cosmetic products in the EU. The EU Commission will include this substance in the CMR Omnibus Act IV for integration into Annex II (list of prohibited substances in cosmetics) of the EU Cosmetics Regulation.

This means that by 1 March 2022 the use of BMHCA (lilial) in cosmetic products (new and existing) will be banned in the EU. All products containing BMHCA (lilial) should be off the shelf by this date. It is important to highlight that the above-mentioned regulatory events and activities are limited to the EU. The use of BMHCA in cosmetic products outside the EU remains unaffected.

BMHCA (Lilial) restriction in household products (e.g. detergents, household and cleaning products, air-fresheners)

Please be informed that the ban of BMHCA also imposes a restriction to the placing on the market and use of BMHCA in household products for consumers and professional users.

The restriction, in practice, implies the following:

- **BMHCA cannot be placed on the market or used**, in products sold to the general public (consumers) **when its concentration is equal or above** the generic concentration limit specified in part 3 of Annex I of the EU CLP - i.e. **0.3%** (final product (mixture) is not classified as Rep 1B).
- **BMHCA may be placed on the market and used in products sold for professional use** above the classification concentration limit of **equal or above 0.3%** (product is classified as Rep 1B). In this case the packaging of such substances and mixtures has to be **marked** visibly, legibly and indelibly as **'Restricted to professional users'**.

This restriction applies to BMHCA as such, as constituent of other substances, or, in mixtures.

If the same applicability date as the EU CLP harmonized classification will be used, this would mean that from 1 March 2022 onward, consumer products containing 0.3% or more of BMHCA can no longer be sold in the EU.

0,000 % • BMHCA (Lilial)[CAS# 80-54-6]

Karanal on the EU – REACH Authorization List

- Karanal [CAS# 117933-89-8] - No use (delisted from pallet 17th July, 2023)

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We would like to inform you that, with the inclusion of Karanal (CAS 117933-89-8) on the EU REACH Authorization List, Holland Aromatics has defined a reformulation plan which consists of replacing Karanal with a combination of ingredients that will give the same olfactive character, performance and stability.

Holland Aromatics ensures that product safety and regulatory compliance are not impacted by the formula change. The materials used for the reformulation have been thoroughly reviewed and specifically selected based on their regulatory and safety profile so that the reformulation formula shows no negative impact on the final classification/safety of the formula or the allergen levels. Thus the modified formula is safe for consumer use and regulatory compliant.

The commercial name and code of the reformulated fragrance will not change.

The placing on the market and the use of Karanal (including the use in cosmetic products) will be prohibited from 27 August 2023 onwards. Fragrance batches produced after 27 August 2023 will be reformulated and free from Karanal.

This does not impact the use of Karanal in other regions outside of the EU. Customers outside of Europe may be impacted if their products are manufactured or marketed in Europe. If you have any questions, please contact your client support representative.

REACH

We, Holland Aromatics B.V., declare, to the best of our knowledge, that we are in compliance with our obligations according to the REACH Regulation (EC) No. 1907/2006 and its modifications and updates for the substances contained in the fragrance compound(s)/ingredient(s) delivered to customer.

All substances supplied by Holland Aromatics B.V., as well as substances contained in our mixtures are either:

- Registered (Holland Aromatics B.V. act as a downstream user as defined by the REACH Regulation), or
- Exempted of Registration

Any substances out of scope e.g. exempted substances or substances below the threshold for registration under REACH (<1tpa) are allowed to be used in products without registration in the EU.

The above mentioned information is continuously checked by us and also demanded to our suppliers. We also continue to monitor the ongoing amendments of the Regulation and will update our compliance statement as appropriate.

Biodegradability BO (Biodegradable Organics) % 84,7

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Please be aware that fragrance compounds are not tested for biodegradability. The biodegradability of a fragrance compound is assured based on data on the components and is assessed by summing the percentage (by weight) of ingredients which are biodegradable. The following criteria have been used to identify "biodegradable" fragrance ingredients used in above mentioned fragrance compound:

1. Biodegradable following internationally accepted OECD/ISO guideline studies accepted by authorities.
 - The tests include OECD 301 series, OECD 310, OECD 302 series and ISO 14593;
 - The pass criterion in these tests is 60-70% within 14 or 28 days (depending on the test and the endpoint measured);
 - If biodegradation has started but a plateau has not been reached, the test may be prolonged (typically up to 60 days).
2. Use of simple structural read-across from known biodegradable ingredients to structurally very close analogues that are therefore fully expected also to be biodegradable.
3. Natural complex substances (e.g. essential oils) are assessed based on either test data for the NCS itself or data for the constituents.

Publication of final Regulation of Methyl-N-methylantranilate in cosmetic products in Europe

We would like to inform you that Commission Regulation (EU) 2022/135 has been published in the Official Journal of the European Union on January 31, 2022. It amends Regulation (EC) No 1223/2009 of the European Parliament and of the Council as regards the use of Methyl-N-methylantranilate in cosmetic products.

It sets maximum use levels of 0.1% in leave-on products and 0.2% in rinse-off products. Please note that the material should not be used in sunscreen products and products marketed for exposure to natural or artificial UV light.

From 21 August 2022 cosmetic products containing the substance and not complying with the restrictions shall no longer be placed on the EU market (i.e. new products). From 21 November 2022 the products shall not be made available (i.e. existing products) on the Union market.

0,000 % Methyl-N-methylantranilate

Benzophenone - Publication of the 18th ATP to the EU CLP Regulation

We would like to inform you that the 18th ATP to the EU CLP regulation, (COMMISSION DELEGATED REGULATION (EU) 2022/692) was published on May 3rd, 2022 and will enter into force on the twentieth day following that of its publication in the Official Journal of the European Union.



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The new/revised classifications shall apply as from 1 December 2023.

Please note that index number 606-153-00-5 corresponds to benzophenone (CAS No 119-61-9 / EINECS No 204-337-6) classified as Carcinogenic 1B (H350).

This means that this substance will be restricted in household products and air care products in the EU according to the REACH restriction entry number 28 (see REACH Annex XVII).

Regarding the use of benzophenone in cosmetics, it will be forbidden for this use on 1 December 2023 if no exemption request is submitted according to article 15.2 of the Cosmetics Regulation. This will happen through the publication of a CMR Omnibus to the EU Cosmetics Regulation.

0,000 % Benzophenone

Natural Origin Content

Natural Origin Content according to ISO 16128:

100,000 %

SCCS/1656/23 Preliminary Opinion Benzyl Salicylate (CAS No. 118-58-1, EC No. 204-262-9)

Based on the data provided and assessed and taking under consideration the concerns related to potential endocrine disrupting properties, the SCCS considers Benzyl Salicylate safe when used up to the maximum concentrations provided in Table 1 of this Opinion.

Table 1: Maximum use concentrations of benzyl salicylate in cosmetic products

Type of cosmetic product exposure	Maximum % concentration used
Hydroalcoholic-based fragrances (spray and non-spray)	4
Rinse-off skin & hair products (except rinse off body products)	0.5
Rinse off body products	1.3
Leave on skin & hair products (non-spray/non-aerosol)(except body lotion)	0.5
Leave on hair products (spray/aerosol)	0.5

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Leave on body products (non-spray/spray/aerosol)	0.7
Face make-up products and make-up remover	0.2
Oral care	0.004
Deodorant products (spray/aerosol)	0.91

0,000 % Benzyl Salicylate

Hexyl Salicylate (CAS No. 6259-76-3)

Publication of the 22nd ATP to the EU CLP Regulation

We would like to inform you that the 22nd ATP to the EU CLP regulation, (COMMISSION DELEGATED REGULATION (EU) 2024/2564) was published on 30 September 2024, in the Official Journal of the European Union, listing Hexyl Salicylate (HS) under Index number 607-772-00-3 with Repr. 2 / H361d and Skin Sens. 1 / H317 classifications

An SCCS dossier was submitted to be able to continue using this ingredient in cosmetic products. A final SCCS Opinion is available for adults and children equal or above 3 years old, and a preliminary Opinion on children below 3 years of age is being finalized.

On the basis of these 2 Opinions and following the usual procedure, the European Commission will prepare the CMR Omnibus Regulation, and the use of Hexyl Salicylate in cosmetic products will need to comply with the restrictions laid down in Annex III of the Cosmetic Products Regulation. These restrictions will apply on the same date as the application of the harmonized classification, which is 1 May 2026.

SCCS/1668/24 Final Opinion on Hexyl Salicylate (CAS/EC No. 6259-76-3/228-408-6)

Based on the assessment of data provided, given the CMR Cat. 2 classification (Annex VI EC/1272/2008)) and taking into consideration all toxicological endpoints, including potential endocrine disrupting effects, the SCCS considers Hexyl Salicylate safe for children up to 3 years old when used up to the maximum concentrations as below:

* 0.1 % (w/w) for shower gel, hand soap, shampoo, hair conditioner, body lotion, face cream, hand cream, lipstick/lip balm, fragrance products

* 0.001% (w/w) for toothpaste.

SCCS/1658/23 Final Opinion on Hexyl Salicylate (CAS/EC No. 6259-76-3/228-408-6)

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Based on the assessment of data provided and taking into consideration the concerns related to potential endocrine disrupting properties, the SCCS considers Hexyl Salicylate safe when used up to the maximum concentrations as provided in Table 1 of this Opinion.

Table 1: Maximum concentrations of Hexyl Salicylate in cosmetic products as reported in the dossier submission.

Product type, Body parts	Maximum concentration
Hydroalcoholic-based fragrances	2
All Rinse-off products	0.5
All Leave on products	0.3
Oral care (toothpaste and mouthwash)	0.001

0,000 % Hexyl Salicylate

Heliotropine (CAS: 120-57-0) – ECHA RAC adopted their Opinion on the harmonized classification and labelling (CLH) proposal as toxicity to reproduction Category 1B.

We would like to inform you that the ECHA RAC 69 plenary meeting of June 4, 2024 has adopted the Opinion to classify Heliotropine / piperonal; 1,3-benzodioxole-5-carbaldehyde (CAS: 120-57-0) as follows: skin sensitisation (Skin Sens. 1B; H317) and toxic to reproduction (Repr. 1B; H360FD).

We also remind you of the regulatory consequences under the EU Cosmetic Products Regulation (Regulation (EC) No 1223/2009), i.e., a ban if no exemption is granted, and under the EU REACH Regulation (Annex XVII), i.e., a restriction equal to or above the classification concentration limit of 0.3%, in relation to substances with harmonised classification and labelling as CMR 1B.

Next steps in the regulatory process.

Heliotropine, piperonal, 1,3-benzodioxole-5-carbaldehyde (CAS: 120-57-0)

RAC 69 plenary	3-7 June 2024 (RAC adopted their opinion on 4 June 2024)
CARACAL discussion	2025
Publication in the OJ (ATP ¹) (18 months transitional period)	2026
Application of the ATP (Ban in cosmetics and Restriction under REACH)	2028

0,000 % Heliotropine

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ECHA RAC adopts Opinions on the CLH proposals for seven fragrance ingredients, classifying them as Toxic for Reproduction Category 1B (Repr. 1B)

We would like to inform you that following the plenary meeting of 27 and 28 November 2024, the ECHA RAC has adopted Opinions classifying seven fragrance ingredients as Repr. 1B; H360FD.

Next steps

1. The ECHA RAC will now finalise their opinion and publish it on their website on Q1 2025.
2. ECHA will add these substances to the table of ECHA RAC Opinions published in 2025 to be transmitted to the European Commission by the end of 2025.
3. The ECHA list with 2025 ECHA RAC Opinions will be discussed by the CARACAL in 2026.
4. The publication of the ATP amending Annex VI of the EU CLP to add/modify these classifications is also expected to take place in 2026.

We would like to note that the ECHA RAC Opinion classifying tea tree oil (CAS numbers 85085-48-9 and 68647-73-4) as Repr. 1B was published early 2024 and has been added to the CLP 24th ATP to be discussed and published in 2025.

We also remind you of the regulatory consequences under the EU Cosmetic Products Regulation (Regulation (EC) No 1223/2009), i.e., a ban if no exemption is granted, and under the EU REACH Regulation (Annex XVII), i.e., a restriction equal to or above the classification concentration limit of 0.3%, in relation to substances with harmonised classification and labelling as CMR 1B.

Name	CAS Number		
Bourgeonal	18127-01-1	0,000	%
4-tert-butyl phenol	no use		
p-Cymene	99-87-6	0,817	%
Cyclemax	no use		
Cyclamen aldehyde	103-95-7	0,000	%
Cuminic aldehyde	122-03-2	0,000	%
Acetophenone	98-86-2	0,000	%

With kind regards,

Holland Aromatics BV
Regulatory Affairs & Product Safety, Fragrances
generated electronically, No signature

This certificate is generated by calculation based on data for ingredients. The data in this document has been prepared by Holland Aromatics in accordance with Holland Aromatics' internal protocols and procedures in order to evaluate characteristics and/or performance. Detection limit for calculation is ten ppm. The information contained herein is, to the best of Holland Aromatic's knowledge, true and accurate at the time it is given. It is provided to Customer for its information and internal use only. Holland Aromatics is not liable for any damages that may result from the misuse of the data. It is Customer's responsibility to perform its own evaluations on the material evaluated herein, including with respect to end-use applications. Any Customer product, marketing or other claims are Customer's sole responsibility. A concentration represented by "0,000" corresponds to <10 ppm.



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We certify that the above compound is in compliance with the Standards of the INTERNATIONAL FRAGRANCE ASSOCIATION (IFRA - 51st Amendment), provided it is used in the following classes at a maximum concentration level of

IFRA 51 QRA Maximum concentration level

IFRA Cat 1 maximum concentration level of	%	Not applicable. Product is not foodgrade
IFRA Cat 2 maximum concentration level of	0,22 %	
IFRA Cat 3 maximum concentration level of	0,69 %	
IFRA Cat 4 maximum concentration level of	4,12 %	
IFRA Cat 5A maximum concentration level of	1,03 %	
IFRA Cat 5B maximum concentration level of	1,03 %	
IFRA Cat 5C maximum concentration level of	1,03 %	
IFRA Cat 5D maximum concentration level of	0,35 %	
IFRA Cat 6 maximum concentration level of	%	Not applicable. Product is not foodgrade
IFRA Cat 7A maximum concentration level of	1,37 %	
IFRA Cat 7B maximum concentration level of	1,37 %	
IFRA Cat 8 maximum concentration level of	0,35 %	
IFRA Cat 9 maximum concentration level of	8,25 %	
IFRA Cat 10A maximum concentration level of	6,89 %	
IFRA Cat 10B maximum concentration level of	23,33 %	
IFRA Cat 11A maximum concentration level of	0,35 %	
IFRA Cat 11B maximum concentration level of	0,35 %	
IFRA Cat 12 maximum concentration level of	100,00 %	

Category & Product type

1. **Category n. 1:** *Leave on products generally applied to lips.*

Products in this Cat.: *Leave on products generally applied to lips.*

- Lip Products of all types (solid, liquid, clear or colored, etc.);
- Children's toys.

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2. Category n. 2: *Leave on products generally applied to axillae.*

Products in this Cat.: *Leave on products generally applied to axillae.*

- Deodorant and antiperspirant products of all types (spray, stick, roll-on, etc.);
- Body sprays (including body mist).

3. Category n. 3: *Products generally applied to the face using fingertips.*

Products in this Cat.: *Products generally applied to the face using fingertips.*

- Eye products of all types (eye shadow, mascara, eye-liner, make-up, etc.);
- Facial make up and foundation;
- Make-up remover for face and eyes;
- Nose pore strips;
- Wipes or refreshing tissues for face, neck, hands, body;
- Body and face paint (children and adults);
- Facial masks for face and around the eyes.

4. Category n. 4: *Fragrancing products generally applied to neck, face and wrists.*

Products in this Cat.: *Fragrancing products generally applied to neck, face and wrists.*

- Hydroalcoholic and non-hydroalcoholic fine fragrance of all types (EDT, Parfum, Cologne, solid perfume, fragrancing cream, etc.), aftershaves of all types (except creams and balms);
- Fragranced bracelets;
- Ingredients of perfume kits and fragrance mixtures for cosmetic kits;
- Scent pads, foil packs;
- Scent strips for hydroalcoholic products.

5. Category n. 5: *Leave on products applied to the face and body using the hands (palms).*

• **Subcategory n. 5/A:**

Products in this Cat.: *Products applied to feet and body not belonging to other subcats.*

- Body creams, oils, lotions of all types;
- Foot care products (creams and powders);
- Insect repellent (intended to be applied to the skin);
- All powders and talc (excluding baby powders and talc).

• **Subcategory n. 5/B:**

Products in this Cat.: *Products in Cat. 5 applied to the face.*

- Facial toner;
- Facial moisturizers and creams (including care products for beard and mustache);

• **Subcategory n. 5/C:**

Products in this Cat.: *Products in Cat. 5 applied to the hands.*

- Hand cream;
- Nail care products including cuticle creams, nail lacquer remover, etc.;
- Hand sanitizers.

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• **Subcategory n. 5/D:**

Products in this Cat.: *Products in Cat. 5 for children.*

– Baby cream/lotion, baby oil, baby powders and talc.

6. Category n. 6: *Rinse off products with lip and oral exposure.*

Products in this Cat.: *Rinse off products with lip and oral exposure.*

- Toothpaste;
- Mouthwash, including breath sprays;
- Toothpowder, strips, mouthwash tablets.

7. Category n. 7: *Products applied to hair with hand contact.*

• **Subcategory n. 7/A:**

Products in this Cat.: *hair permanent and other rinse-off treatments.*

– Hair permanent or other hair chemical treatments (rinse-off) (e.g. relaxers), including rinse-off hair dyes.

• **Subcategory n. 7/B:**

Products in this Cat.: *other leave-on treatments, as follows.*

- Hair sprays of all types (pumps, aerosol sprays, etc.);
- Hair styling aids non sprays (mousse, gels, leave-on conditioners);
- Hair permanent or other hair chemical treatments (leave-on) (e.g. relaxers), including leave-on hair dyes;
- Shampoo-Dry (waterless shampoo);
- Hair deodorizer, hair perfume (marketed specifically for hair).

8. Category n. 8: *Products with significant anogenital exposure.*

Products in this Cat.: *Products with significant anogenital exposure.*

- Intimate wipes;
- Intimate deodorant spray;
- Tampons;
- Baby wipes;
- Toilet paper (wet).

9. Category n. 9: *Rinse off products with body and hand exposure.*

Products in this Cat.: *Rinse off products with body and hand exposure.*

- Bar soap;
- Shampoo of all types;
- Cleanser for face (rinse-off);
- Conditioner (rinse-off);
- Liquid soap;
- Body washes and shower gels of all types;
- Baby wash, bath, shampoo;
- Bath gels, foams, mousses, salts, oils and other products added to bathwater (e.g. bath bombs);
- Foot care products (feet are placed in a bath for soaking);

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- Shaving creams of all types (stick, gels, foams, etc.);
- All depilatories (including facial) and waxes for mechanical hair removal;
- Shampoos for pets.

10. Category n. 10: Household care products with mostly hand contact.

• Subcategory n. 10/A:

Products in this Cat.: *Mostly rinse-off products, as follows.*

- Hand wash laundry detergent (including concentrates);
- Laundry pre-treatment of all types (e.g. paste, sprays, sticks);
- Hand dishwashing detergent (including concentrates);
- Hard surface cleaners of all types (bathroom and kitchen cleansers, furniture polish, leather cleaning wipes, treatment products for textiles, etc.);
- Machine laundry detergents with skin contact (e.g. liquids, powders) incl. concentrates;
- Dry cleaning kits (involving manual application on the textile);
- Toilet seat wipes;
- Fabric softeners of all types excluding fabric softener sheets;
- Household cleaning products, other types including fabric cleaners, soft surface cleaners, carpet cleaners, furniture polishes sprays and wipes, etc.;
- Floor wax;
- Fragranced oil for lamp ring, reed diffusers, pot-pourri, liquid refills for air fresheners (noncartridge systems), etc;
- Ironing water (Odorized distilled water).

• Subcategory n. 10/B:

Products in this Cat.: *Mostly leave-on products, as follows.*

- Animal sprays: sprays applied to animals of all types;
- Air freshener sprays, manual, including aerosol and pump;
- Aerosol/spray insecticides.

11. Category n. 11: Products with intended skin contact but minimal transfer of fragrance to skin from inert substrate.

• Subcategory n. 11/A:

Products in this Cat.: *Products with intimate contact.*

- Feminine hygiene conventional pads, liners, interlabial pads;
- Baby diapers;
- Incontinence pant, pad;
- Toilet paper (dry).

• Subcategory n. 11/B:

Products in this Cat.: *Products without intimate contact.*

- Tights with moisturizers;
- Scented socks, gloves;
- Facial tissues (dry tissues);
- Napkins;

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- Pillow spray;
- Paper towels;
- Wheat bags;
- Facial masks (paper/protective) e.g. surgical masks not used as medical device;
- Fertilizers, solid (pellet or powder).

Category n. 12: *Products not intended for direct skin contact, minimal or insignificant transfer to skin.*

Products in this Cat.: *Products not intended for direct skin contact, minimal or insignificant transfer to skin.*

- Candles of all types (including encased);
- Laundry detergents for machine wash with minimal skin contact (e.g. Liquid tabs, pods);
- Automated air fresheners and fragrancing of all types (concentrated aerosol with metered doses, plug-ins, closed systems, solid substrate, membrane delivery, electrical, powders, incense, liquid refill (cartridge) air freshening crystals, solid non aerosol car diffuser;
- Air delivery systems;
- Cat litter;
- Cell phone cases;
- Deodorizers/maskers not intended for skin contact (e.g. fabric drying machine deodorizers, carpet powders);
- Dry cleaning kits (placed in the dryer);
- Dryer sheets and fabric softener sheets;
- Fuels;
- Insecticides (e.g. mosquito coil, paper, electrical, for clothing) excluding aerosols/sprays;
- Joss sticks or incense sticks;
- Dishwash detergent and deodorizers for machine wash;
- Olfactive board games;
- Paints;
- Plastic articles (excluding toys);
- Scratch and sniff;
- Scent pack;
- Scent delivery system (using dry air technology);
- Shoe polishes;
- Rim blocks (Toilet);
- Toilet gel;
- Scent beads.

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IFRA 51st AMENDMENT

On June 30th 2023, IFRA has issued the 51st Amendment to its Standards for the safe use of fragrance ingredients.

Beginning with the 49th Amendment, IFRA Standards reflect the introduction of several improvements to the risk assessment methodology. These improvements specifically relate to the revised methodology of Quantitative Risk Assessment for fragrance ingredients for dermal sensitization (hereafter QRA2) and a new way to assess systemic toxicity based on an aggregate exposure model.

The main impact relates to the identification of acceptable levels of fragrance ingredients in different product types and their management, on a practical basis, through grouping distinctive product types into product categories with specific limitations.

The applicable timelines for the 51st Amendment are as follows. These timelines refer to mixtures of fragrance ingredients (formulas) and not to finished consumer product(s).

	Date for Standards entering into force for new creations	Date for Standards entering into force for existing creations
IFRA Standard prohibiting the use of ingredients	2 months after the date of the Notification (i.e. August 30, 2023)	13 months after the date of the Notification (i.e. July 30, 2024)
IFRA Standards restricting or setting specifications for the use of ingredients	9 months after the date of the Notification (i.e. March 30, 2024)	28 months after the date of the Notification (i.e. October 30, 2025)

Note box:

Due to the possible ingestion of small amounts of fragrance ingredients from their use in products in Categories 1 and 6, materials must not only comply with IFRA Standards but must also be recognized as safe as a flavoring ingredient as defined by the IOFI Code of Practice (www.iofi.org). For more details see chapter 1 of the Guidance for the use of IFRA Standards.

- The IFRA Standards are based on safety assessments by the Panel of Experts of the RESEARCH INSTITUTE FOR FRAGRANCE MATERIALS (RIFM) and are enforced by the IFRA Scientific Committee.

The creative perfumery procedures in Holland Aromatics Fragrances ensure that Fragrance compounds are composed only of ingredients approved by the safety clearance procedure, and satisfy, according to the current state of knowledge, the safety requirements for the intended application under normal and reasonably foreseeable conditions of use.

For other kinds of application or use at higher concentration levels, a new safety evaluation may be needed; please contact Holland Aromatics.



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It is the ultimate responsibility of our customer to ensure the safety of the final product (containing this fragrance) by further testing if need be.

Holland Aromatics BV

generated electronically, no signature

This certificate is generated by calculation based on data for ingredients.

The data in this document has been prepared by Holland Aromatics in accordance with Holland Aromatics' internal protocols and procedures in order to evaluate characteristics and/or performance. Detection limit for calculation is ten ppm. The information contained herein is, to the best of Holland Aromatics' knowledge, true and accurate at the time it is given. It is provided to Customer for its information and internal use only. Holland Aromatics is not liable for any damages that may result from the misuse of the data. It is Customer's responsibility to perform its own evaluations on the material evaluated herein, including with respect to end-use applications. Any Customer product, marketing or other claims are Customer's sole responsibility.

