

**1. Identification of the substance/mixture and the company/undertaking**

**1.1 Product identification**

Product form : Mixture  
 Product name : Satino Black Air Refresher Qlash  
 Product code/article nr. : 180329  
 Product type : Detergent  
 Product group : Blend

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

Main use category : Professional use  
 Industrial/professional use spec. : For professional use only  
 Uses advised against : No additional information available

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

Van Houtum B.V.  
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 P.O. Box 9013 NL-6070 AA Swalmen The Netherlands  
 T +31 (0)88 0183000  
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[info@vanhoutum.nl](mailto:info@vanhoutum.nl)  
[www.vanhoutum.nl](http://www.vanhoutum.nl)

**1.4 Emergency telephone number**

Country	Organisation/Company	Address	Emergency number
United Kingdom	Guy's & St. Thomas' Poisons Unit	Avonley Road SE14 SER London	0870 2432241

**2. Hazards identification**

**2.1 Classification of the substances or mixture**

Classification according to Regulation (EC) No. 1272/2008 (CLP)  
 Not classified

Adverse physicochemical, human health and environmental effects  
 To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

**2.2 Label elements**

Labelling according to Regulation (EC) No. 1272/2008 (CLP):  
 EUH-statements : EUH208 - Contains Citral (5392-40-5), Hydroxycitronella (107-75-5), hexyl cinnamic aldehyde (101-86-0), Citronellol (106-22-9), Eugenol (97-53-0). May produce an allergic reaction.  
 EUH210 - Safety data sheet available on request.

**2.3 Other hazards**

No additional information available.

**3. Composition/information on ingredients**

**3.1 Substance**

Not applicable.

**3.2 Mixture**

Name	Product identifier	%	Classification according to Directive 67/548/EEC	Classification according to Regulation (EC) 1272/2008 (CLP)
Hexyl cinnamic aldehyde	CAS Nr. 101-86-0 EG Nr. 202-983-3	< 5	Xi; R38, R43	Skin Sens. 1B; H317
Citral	CAS Nr. 5392-40-5 EG Nr. 226-394-6	< 5	Xi; R38, R43	Skin Irrit. 2; H315 Skin Sens. 1; H317
Eugenol	CAS Nr. 97-53-0 EG Nr. 202-589-1	< 5	Xi; R36, R43	Eye Irrit. 2; H319 Skin Sens. 1; H317

Name	Product identifier	%	Classification according to Directive 67/548/EEC	Classification according to Regulation (EC) 1272/2008 (CLP)
Citronellol	CAS Nr. 106-22-9 EG Nr. 203-375-0	< 5	Xi; R38, R43 N; R51/53	Eye Irrit. 2; H319 Skin Irrit. 2 ; H315 Skin Sens. 1; H317
Hydroxycitronellal	CAS Nr. 107-75-5 EG Nr. 203-518-7	< 5	Xi; R36, R43	Skin Sens. 1; H317 Eye Irrit. 2; H319

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

#### 4. First aid measures

##### 4.1 Description of first aid measures

Skin contact : Rinse skin with water/shower.

Eye contact : Rinse eyes with plenty of water as a precaution.

After ingestion : Flush mouth with water. Give plenty water to drink. Do not induce vomiting. Call a poison centre or a doctor if patient feels unwell and show this label.

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

Symptoms/injuries : Not expected to present a significant hazard under anticipated conditions of normal use.

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

Treat symptomatically.

#### 5. Fire fighting measures

##### 5.1 Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

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

Hazardous decomposition products in case of fire : Toxic fumes may be released.

##### 5.3 Advice for fire fighters

Protection during fire fighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

#### 6. Accidental release measures

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

For non-emergency personnel : Ventilate spillage area.

For emergency responders, Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

##### 6.2 Environmental precautions

Avoid release to the environment.

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

Methods for cleaning up : Take up liquid spill into absorbent material.

Other information : Dispose of materials or solid residues at an authorized waste disposal company.

##### 6.4 Reference to other sections

For further information refer to section 13.

## 7. Handling and storage

### 7.1 Precautions for safe handling of the substances or mixture

Precautions for safe handling	:	Ensure good ventilation of the work station. Wear personal protective equipment. Avoid contact with eyes.
Hygienic measures	:	Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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

Technical measures	:	Does not require any specific or particular measures.
Storage conditions	:	Keep container tightly closed. Keep cool. Protect from sunlight. Store in a well-ventilated place.

### 7.3 Specific end use(s)

No specific advice for end use available.

## 8. Exposure controls/personal protection

### 8.1 Control parameters

No additional information available.

### 8.2 Exposure controls

Appropriate engineering controls	:	Ensure good ventilation of the work area
Hand protection	:	Protective gloves
Eye protection	:	Safety glasses
Skin and body protection	:	Wear suitable protective clothing.
Respiratory protection	:	In case of insufficient ventilation, wear suitable respiratory equipment.
Environmental exposure controls	:	Avoid release to the environment.

## 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state	:	Pasta
Colour	:	Black
Odour	:	Characteristic smell, perfume is used
Odour threshold	:	No data available
pH	:	7
Relative evaporation rate	:	No data available
Melting point	:	Not applicable
Freezing point	:	No data available
Boiling point	:	No data available
Flash point	:	No data available
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Flammability (solid, gas)	:	No data available
Vapour pressure	:	No data available
Relative vapour pressure at 20 °C	:	No data available
Relative density	:	No data available
Solubility	:	Soluble in water
Log Pow	:	No data available
Viscosity, kinematic	:	No data available
Viscosity, dynamic	:	No data available
Explosive properties	:	No data available
Oxidising properties	:	No data available
Explosive limits	:	No data available

### 9.2 Other information

No additional information available.

**10. Stability and reactivity**

**10.1 Reactivity**

The product is non-reactive under normal conditions of use, storage and transport.

**10.2 Chemical stability**

Stable under normal conditions.

**10.3 Possibility of hazardous reactions**

No dangerous reactions known under normal conditions of use.

**10.4 Conditions to avoid**

None under recommended storage and handling conditions (see section 7).

**10.5 Incompatible materials**

No additional information available.

**10.6 Hazardous decomposition products**

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

**11. Toxicological information**

**11.1 Information on toxicological effects**

Acute toxicity : Not classified (based on available data)

<b>Citral (5392-40-5)</b>	
LD50 oral	4960 mg/kg bodyweight
LD50 dermal	2250 mg/kg bodyweight
<b>Hydroxycitronellal (107-75-5)</b>	
LD50 oral	> 5000 mg/kg bodyweight
LD50 dermal	> 2000 mg/kg bodyweight
<b>Hexyl cinnamic aldehyde (101-86-0)</b>	
LD50 oral	> 2450 mg/kg bodyweight
LD50 dermal	> 3000 mg/kg bodyweight
LD50 inhalation rat (dust/mist – mg/l/4h)	> 5000 mg/m <sup>3</sup>
<b>Citronellol (106-22-9)</b>	
LD50 oral	3450 mg/kg bodyweight
LD50 dermal	2650 mg/kg bodyweight
<b>Eugenol (97-53-0)</b>	
LD50 oral	1930 mg/kg bodyweight
LD50 dermal	> 2000 mg/kg bodyweight
LD50 inhalation rat (dust/mist – mg/l/4h)	> 2580 mg/m <sup>3</sup>

Skin irritation : Not classified, pH = 7  
 Serious eye damage/irritation : Not classified, pH = 7  
 Respiratory or skin sensitisation : Not classified  
 Germ cell mutagenicity : Not classified  
 Carcinogenicity : Not classified  
 Reproductive toxicity : Not classified  
 Specific target organ toxicity : Not classified  
 Aspiration hazard : Not classified  
 Other information : For cosmetic products is a safety data sheet not required by law. Therefore this document does not necessarily correspond to the requirements of Regulation (EC) 453/2010.

**12. Ecological information**

**12.1 Toxicity**

Ecology – general : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

<b>Citral (5392-40-5)</b>	
LC50 fish 1	4.1 mg/l
EC50 other aquatic organisms 1	7 mg/l EC50 water flea (48h)
EC50 other aquatic organisms 2	5 mg/l IC50 algae (48h)

<b>Hydroxycitronellal (107-75-5)</b>	
EC50 other aquatic organisms 1	410 mg/l EC50 water flea (48h)
EC50 other aquatic organisms 2	68 mg/l IC50 algae (48h)
<b>Hexyl cinnamic aldehyde (101-86-0)</b>	
LC50 fish 1	1.7 mg/l
EC50 other aquatic organisms 2	> 0.32 mg/l
<b>Citronellol (106-22-9)</b>	
LC50 fish 1	10 mg/l
EC50 other aquatic organisms 1	1.487 mg/l EC50 water flea (48h)
EC50 other aquatic organisms 2	2.38 mg/l IC50 algae (48h)
<b>Eugenol (97-53-0)</b>	
LC50 fish 1	5.6 mg/l
EC50 other aquatic organisms 1	1.9 mg/l EC50 water flea (48h)
EC50 other aquatic organisms 2	15.4 mg/l IC50 algae (48h)

**12.2 Persistence and degradability**  
No additional information available.

**12.3 Bio accumulative potential**

<b>Citral (5392-40-5)</b>	
Log Pow	3.45
<b>Hydroxycitronellal (107-75-5)</b>	
Log Pow	2.11
<b>Hexyl cinnamic aldehyde (101-86-0)</b>	
Log Pow	4.82
<b>Citronellol (106-22-9)</b>	
Log Pow	3.91
<b>Eugenol (97-53-0)</b>	
Log Pow	2.27

**12.4 Mobility in soil**  
No additional information available.

**12.5 Results of PBT- and zPzB assessment**  
No additional information available.

**12.6 Other adverse effects**  
No additional information available.

**13. Disposal considerations**

**13.1 Waste treatment methods**  
Dispose of contents/container in accordance with licensed collector's sorting instructions.  
European List of Waste (LoW) code 20 01 30 – detergents other than those mentioned in 20 01 29.

**14. Transport information**

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

**14.1 UN number** : Not regulated for transport.

**14.2 UN proper shipping name**  
Proper shipping name ADR/RID : Not applicable  
Proper shipping name IMDG : Not applicable  
Proper shipping name IATA : Not applicable  
Proper shipping name ADN : Not applicable

**14.3 Transport hazard**  
Transport hazard class(es) ADR/RID : Not applicable  
Transport hazard class(es) IMDG : Not applicable  
Transport hazard class(es) IATA : Not applicable  
Transport hazard class(es) AND : Not applicable

**14.4 Packing group**  
Packing group ADR/RID : Not applicable  
Packing group IMDG : Not applicable  
Packing group IATA : Not applicable  
Packing group ADN : Not applicable

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**14.5 Environmental hazards**

Dangerous for the environment : No  
 Marine pollutant : No  
 Other information : No supplementary information available.

**14.6 Special precautions for users**

Overland transport : No  
 Transport by sea : No  
 Air transport : No  
 Inland waterway transport : No  
 Rail transport : No

**14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code**

Not applicable.

**15. Regulatory information**

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

EU-Regulations : Contains no substances with Annex XVII restrictions.  
 Product is not on the REACH candidate list.  
 Contains no REACH Annex XIV substances.

Allergenic fragrances > 0,01 %

Limonene
Alpha-isomethyl ionone
Citral
Hydroxycitronellal
Hexyl cinnamal
Linalool
Citronellol
Geraniol
Coumarin
Eugenol

Detergent Regulation: labelling of contents

Component	%
Benzisothiazolinone	
Perfumes	
Limonene	
Alpha-isomethyl ionone	
Citral	
Hydroxycitronellal	
Hexyl cinnamal	
Linalool	
Citronellol	
Geraniol	
Coumarin	
Eugenol	

National regulations : No additional information available.

**15.2 Chemical safety assessment**

No chemical safety assessment has been carried out.

**16. Other information**

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

Eye Irrit. 2	Serious eye damage/eye irritation, category 2
Skin Irrit. 2	Skin corrosion/irritation, category 2
Skin Sens. 1	Sensitisation – Skin, category 1
Skin Sens. 1B	Sensitisation – Skin, category 1B
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
EUH208	Contains..... May produce an allergic reaction
EUH210	Safety data sheet available on request
R36	Irritating to eyes
R38	Irritation to skin
R43	May cause sensitisation by skin contact
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
N	Dangerous for the environment
Xi	Irritant

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