

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date: 19.01.2021

Revision date: 21.12.2020

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

- **Product identifier**
- **Trade name:** *VS ICE*
- **Article number:** *VSC12*
- **Relevant identified uses of the substance or mixture and uses advised against**  
*No further relevant information available.*
- **Application of the substance / the mixture** *Air Freshener*
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
*Hygiene Systems Australia*  
*P.O. Box 1238*  
*Runaway Bay*  
*Queensland, 4216*  
*Australia*  
*australia@hygienesystems.com*
- **Further information obtainable from:** *Product safety department.*
- **Emergency telephone number:** *Queensland - Poisons Information Centre 24hrs - 13 11 26*

**2 Hazards identification**

- **Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



*GHS05 corrosion*

*Eye Dam. 1          H318 Causes serious eye damage.*



*GHS07*

*Skin Irrit. 2          H315 Causes skin irritation.*

*Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.*

- **Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**  
*The product is classified and labelled according to the CLP regulation.*
- **Hazard pictograms**



*GHS05*

- **Signal word** *Danger*

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· **Hazard-determining components of labelling:**

Benzenesulfonic acid, C10-13-alkyl derivatives, sodium salts

· **Hazard statements**

H315 Causes skin irritation.

H318 Causes serious eye damage.

H412 Harmful to aquatic life with long lasting effects.

· **Precautionary statements**

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read label before use.

P280 Wear protective gloves / eye protection / face 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.

P310 Immediately call a POISON CENTER/doctor.

P321 Specific treatment (see on this label).

P362+P364 Take off contaminated clothing and wash it before reuse.

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

· **Additional information:**

Contains alpha-Hexylcinnamaldehyde, Amberonne, Linalool, Citronellol, Benzyl salicylate, citrus limon l. burm. f. peel oil c.p.. May produce an allergic reaction.

· **Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

## 3 Composition/information on ingredients

· **Chemical characterisation: Mixtures**

· **Description:** Mixture of substances listed below with nonhazardous additions.

· **Dangerous components:**

CAS: 497-19-8	sodium carbonate	10-50%
EINECS: 207-838-8	⚠ Eye Irrit. 2, H319	
CAS: 68411-30-3	Benzenesulfonic acid, C10-13-alkyl derivatives, sodium salts	10-50%
EINECS: 270-115-0	⚠ Eye Dam. 1, H318; ⚠ Acute Tox. 4, H302; ⚠ Skin Irrit. 2, H315	
CAS: 64742-47-8	Hydrocarbons, C-11-13, Isoalkanes, Cyclics, <2% aromatics	2.5-10%
EINECS: 265-149-8	⚠ Asp. Tox. 1, H304	
CAS: 101-86-0	alpha-Hexylcinnamaldehyde	≥0.1-<1%
EINECS: 202-983-3	⚠ Skin Sens. 1, H317; Aquatic Chronic 3, H412	
CAS: 68647-72-3	Orange Terpenes	≥0.25-<2.5%
	⚠ Flam. Liq. 3, H226; ⚠ Asp. Tox. 1, H304; ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Skin Irrit. 2, H315	
CAS: 54464-57-2	Amberonne	≥0.25-<1%
EINECS: 259-174-3	⚠ Aquatic Chronic 2, H411; ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	
CAS: 1222-05-5	1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran	≥0.25-<2.5%
EINECS: 214-946-9	⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410	
CAS: 78-70-6	Linalool	≥0.1-<1%
EINECS: 201-134-4	⚠ Skin Sens. 1, H317	

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CAS: 106-22-9 EINECS: 203-375-0	Citronellol ⚠ Skin Sens. 1, H317	≥0.1-<1%
CAS: 118-58-1 EINECS: 204-262-9	Benzyl salicylate ⚠ Eye Irrit. 2, H319; Skin Sens. 1, H317	≥0.1-<1%
CAS: 8008-56-8 EINECS: 284-515-8	citrus limon l. burm. f. peel oil c.p. ⚠ Flam. Liq. 3, H226; ⚠ Asp. Tox. 1, H304; ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	≥0.1-<0.25%

· **Additional information:** For the wording of the listed hazard phrases refer to section 16.

## 4 First aid measures

- **Description of first aid measures**
- **General information:** Immediately remove any clothing soiled by the product.
- **After inhalation:** In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

## 5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

## 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:**  
Do not allow product to reach sewage system or any water course.  
Inform respective authorities in case of seepage into water course or sewage system.  
Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Use neutralising agent.  
Dispose contaminated material as waste according to item 13.
- **Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

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## 7 Handling and storage

- **Handling:**
- **Precautions for safe handling** No special precautions are necessary if used correctly.
- **Information about fire - and explosion protection:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Store in a cool place away from heat and sources of ignition.
- **Specific end use(s)** No further relevant information available.

## 8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.

- **Control parameters**

- **Ingredients with limit values that require monitoring at the workplace:**

64742-47-8 Hydrocarbons, C-11-13, Isoalkanes, Cyclics, <2% aromatics
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EL Short-term value: 1200 mg/m <sup>3</sup>
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- **Additional information:** The lists valid during the making were used as basis.

- **Exposure controls**

- **Personal protective equipment:**

- **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the skin.

Avoid contact with the eyes and skin.

- **Respiratory protection:** Not required.

- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

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## · Eye protection:



Tightly sealed goggles

## 9 Physical and chemical properties

## · Information on basic physical and chemical properties

## · General Information

## · Appearance:

· Form:	Semi-Solid
· Colour:	Blue
· Odour:	Citrus, Floral
· Odour threshold:	Not determined.

· pH-value: Not determined.

## · Change in condition

· Melting point/freezing point:	Undetermined.
· Initial boiling point and boiling range:	>100 °C

· Flash point: &gt;100 °C

· Flammability (solid, gas): Not applicable.

· Decomposition temperature: Not determined.

· Auto-ignition temperature: Product is not selfigniting.

· Explosive properties: Product does not present an explosion hazard.

## · Explosion limits:

· Lower:	Not determined.
· Upper:	Not determined.

· Vapour pressure: Not determined.

· Density: Not determined.

· Relative density: Not determined.

· Vapour density: Not determined.

· Evaporation rate: Not determined.

## · Solubility in / Miscibility with water:

Not miscible or difficult to mix.

· Partition coefficient: n-octanol/water: Not determined.

## · Viscosity:

· Dynamic:	Not determined.
· Kinematic:	Not determined.

## · Solvent content:

· Organic solvents:	6.5 %
· VOC (EC)	3.50 %

· Solids content: 78.1 %

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· **Other information** No further relevant information available.

### 10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

### 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.

· **LD/LC50 values relevant for classification:**

<b>497-19-8 sodium carbonate</b>		
Oral	LD50	4,090 mg/kg (rat)
<b>64742-47-8 Hydrocarbons, C-11-13, Isoalkanes, Cyclics, &lt;2% aromatics</b>		
Oral	LD50	>5,000 mg/kg (rat)
Dermal	LD50	>5,000 mg/kg (rabbit)
Inhalative	LC50/4 h	>5,000 mg/l (rat)
<b>101-86-0 alpha-Hexylcinnamaldehyde</b>		
Oral	LD50	2,300 mg/kg (mouse) 3,100 mg/kg (rat)
<b>54464-57-2 Amberonne</b>		
Oral	LD50	>5,000 mg/kg (rat)
Dermal	LD50	>5,000 mg/kg (rabbit)
<b>78-70-6 Linalool</b>		
Oral	LD50	2,790 mg/kg (rat)
Dermal	LD50	5,610 mg/kg (rabbit)
<b>106-22-9 Citronellol</b>		
Oral	LD50	3,450 mg/kg (rat)
Dermal	LD50	2,650 mg/kg (rabbit)
<b>118-58-1 Benzyl salicylate</b>		
Oral	LD50	2,227 mg/kg (rat)

- **Primary irritant effect:**
- **Skin corrosion/irritation**  
Causes skin irritation.
- **Serious eye damage/irritation**  
Causes serious eye damage.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.

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- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

### 12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Ecotoxicological effects:**
- **Remark:** Harmful to fish
- **Additional ecological information:**
- **General notes:**  
*Water hazard class 3 (German Regulation) (Self-assessment): extremely hazardous for water  
 Do not allow product to reach ground water, water course or sewage system, even in small quantities.  
 Must not reach sewage water or drainage ditch undiluted or unneutralised.  
 Danger to drinking water if even extremely small quantities leak into the ground.  
 Harmful to aquatic organisms*
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

### 13 Disposal considerations

- **Waste treatment methods**
- **Waste Disposal Recommendations:** Dispose in a safe manner in accordance with local/national regulations.

### 14 Transport information

· <b>UN-Number</b>	
· <b>ADR, IMDG, IATA</b>	not regulated
· <b>UN proper shipping name</b>	
· <b>ADR, IMDG, IATA</b>	not regulated
· <b>Transport hazard class(es)</b>	
· <b>ADR, ADN, IMDG, IATA</b>	
· <b>Class</b>	not regulated
· <b>Packing group</b>	
· <b>ADR, IMDG, IATA</b>	not regulated
· <b>Environmental hazards:</b>	Not applicable.
· <b>Special precautions for user</b>	Not applicable.

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- |   |                        |
|---|------------------------|
| <b>· Transport in bulk according to Annex II of Marpol and the IBC Code</b> | <i>Not applicable.</i> |
| <b>· UN "Model Regulation":</b>   | <i>not regulated</i>   |

### 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### 16 Other information

*This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.*

- **Relevant phrases**

- H226 Flammable liquid and vapour.*
- H302 Harmful if swallowed.*
- H304 May be fatal if swallowed and enters airways.*
- H315 Causes skin irritation.*
- H317 May cause an allergic skin reaction.*
- H318 Causes serious eye damage.*
- H319 Causes serious eye irritation.*
- 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.*

- **Department issuing SDS:** Product safety department.

- **Abbreviations and acronyms:**

- ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)*
- IMDG: International Maritime Code for Dangerous Goods*
- IATA: International Air Transport Association*
- GHS: Globally Harmonised System of Classification and Labelling of Chemicals*
- EINECS: European Inventory of Existing Commercial Chemical Substances*
- ELINCS: European List of Notified Chemical Substances*
- CAS: Chemical Abstracts Service (division of the American Chemical Society)*
- VOC: Volatile Organic Compounds (USA, EU)*
- LC50: Lethal concentration, 50 percent*
- LD50: Lethal dose, 50 percent*
- PBT: Persistent, Bioaccumulative and Toxic*
- vPvB: very Persistent and very Bioaccumulative*
- Flam. Liq. 3: Flammable liquids – Category 3*
- Acute Tox. 4: Acute toxicity - oral – Category 4*
- Skin Irrit. 2: Skin corrosion/irritation – Category 2*
- Eye Dam. 1: Serious eye damage/eye irritation – Category 1*
- Eye Irrit. 2: Serious eye damage/eye irritation – Category 2*
- Skin Sens. 1: Skin sensitisation – Category 1*
- Asp. Tox. 1: Aspiration hazard – Category 1*
- Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1*
- Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1*
- Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2*
- Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3*