

According to Regulation ST/SG/AC. 10/30/UN GHS, Latest revision

Version number: 84356005
Revision: 20.10.2025
Printing date: 22.10.2025

01 Identification of the substance/mixture and of the company/undertaking

- Product identifier
 - Trade name:
ZESTY WAVE - BA SELECT
- Relevant identified uses of the substance or mixture and uses advised against
 - Application of the substance / the preparation
Aromatic ingredient(s). Industrial use only.
 - Uses advised against
not applicable
- Emergency telephone number:
ORFILA (INRS): + 33 (0)1 45 42 59 59 Poison Control and Toxicovigilance Centers ANGERS: 02 41 48 21 21 BORDEAUX: 05 56 96 40 80 LILLE: 0800 59 59 59 LYON: 04 72 11 69 11 MARSEILLE: 04 91 75 25 25 NANCY: 03 83 22 50 50 PARIS: 01 40 05 48 48 STRASBOURG: 03 88 37 37 37, TOULOUSE: 05 61 77 74 47

02 Hazards identification

- Classification of the substance or mixture

<f>GHS07

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Skin Irrit. 2 - H315 Causes skin irritation.
Serious eye damage/irritation - Category 2A - H319 Causes serious eye irritation. Skin
Sens. 1 - H317 May cause an allergic skin reaction.



Aquatic Acute 1 - H400 Very toxic to aquatic life.
H227 Combustible liquid.
Acute Tox. 5 - H333 May be harmful if inhaled.
Aquatic Chronic 3 - H412 Harmful to aquatic life with long lasting effects.

•Additional information:

Full text of H statements: see section 16

- Label elements • GHS label elements

Hazard pictograms



GHS07 GHS09

Signal word
Warning

Hazard-determining components of labelling:
2-Hexyl-(E)-cinnamaldehyde / d-limonene ((R)-p-mentha-1,8-diene) / Citral / benzaldehyde

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Hazard statements
H227 Combustible liquid.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H333 May be harmful if inhaled.
H400 Very toxic to aquatic life.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements
P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

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P302 + P352 IF ON SKIN: Wash with plenty of water.

P403 Store in a well-ventilated place.

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

103 Composition/information on ingredients

• Chemical characterization

Dangerous components: CAS

Number		%
165184-98-5	2-Hexyl(E)-cinnamaldehyde Alternative CAS numbers: 101-86-0 EC number: 639-566-4 Skin Sens. 1B - H317; Aquatic Acute 1 - H400, Aquatic Chronic 2 - H411; Acute Tox. 5 - H303, H316	10,00-20,00
5989-27-5	d-limonene ((R)-p-mentha-1,8-diene) EC number: 227-813-5 Asp. Tox. 1 - H304; Flam. Liq. 3 - H226; Skin Irrit. 2 - H315, Skin Sens. 1B- H317; Aquatic Acute 1 - H400; Aquatic Chronic 3 - H412	5,00-10,00
5392-40-5	Citral EC number: 226-394-6 Skin Irrit. 2 - H315, Serious eye damage/irritation - Category 2A - H319, Skin Sens. 1 - H317; Aquatic Acute 2 - H401	5,00-10,00
112-31-2	Decanal EC number: 203-957-4 Serious eye damage/irritation - Category 2A - H319; H227, Acute Tox. 5 - H303, H316, Aquatic Acute 2 - H401, Aquatic Chronic 3 - H412	5,00-10,00
124-13-0	Octanal EC number: 204-683-8 Flam. Liq. 3- H226; Skin Irrit. 2 - H315, Serious eye damage/irritation - Category 2A - H319; Acute Tox. 5 - H303, Aquatic Acute 2 - H401, Aquatic Chronic 3 - H412	1,00- 5,00
78-70-6	3,7-Dimethylocta-1,6-dien-3-ol EC number: 201-134-4 Skin Irrit. 2 - H315, Serious eye	1,00- 5,00

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106-24-1	damage/irritation - Category 2A - H319, Skin Sens. 1B - H317; H227, Acute Tox. 5 - H303, Aquatic Acute 3 - H402 Geraniol EC number: 203-377-1 Eye Dam. 1 - H318; Skin Irrit. 2 - H315, Skin Sens. 1 - H317; Acute Tox. 5- H303, Aquatic Acute 3 - H402 benzyl alcohol	1,00- 5,00
100-51-6	EC number: 202-859-9 Acute Tox. 4 - H302, Acute Tox. 4 - H312, Serious eye damage/irritation - Category 2A - H319, Skin Sens. 1B - H317 Ethyl butyrate	1,00- 5,00
105-54-4	EC number: 203-306-4 Flam. Liq. 3 - H226; Serious eye damage/irritation - Category 2A - H319 Nerol	1,00- 5,00
106-25-2	EC number: 203-378-7 Skin Irrit. 2 - H315, Serious eye damage/irritation - Category 2A - H319, Skin Sens. 1B - H317; Acute Tox. 5 - H303, Aquatic Acute 2 - H401 benzaldehyde	1,00- 5,00
100-52-7	EC number: 202-860-4 Repr. 2 Acute Tox. 4 - H302, Acute Tox. 4 - H332, Skin Irrit. 2 - H315, Serious eye damage/irritation - Category 2A- H319, STOT SE 3 - H335; Repr. 2 - H361; H227, Acute Tox. 5 - H313; Aquatic Chronic 2 - H411; Aquatic Acute 2 - H401 Methyl N-methylantranilate	1,00- 5,00
85-91-6	EC number: 201-642-6 Serious eye damage/irritation - Category 2A - H319; Acute Tox. 5 - H303, Aquatic Acute 3 - H402 Floral (Tetrahydro-2-isobutyl-4-methyl-	1,00- 5,00
63500-71-0	pyran-4-ol) EC number: 405-040-6 Serious eye damage/irritation - Category 2A - H319 3,7-Dimethyl-2,6-nonadiene nitrile	0,10-1,00
61792-11-8	EC number: 263-214-5 H227, Acute Tox. 5 - H303; Aquatic Chronic 2 - H411; Aquatic Acute 2 - H401 trans-Anethole [(E)- Anethole]	0,10-1,00
4180-23-8	EC number: 224-052-0 Skin Sens. 1B - H317; Acute Tox. 5 - H303, H316, Aquatic Acute 2 - H401, Aquatic	0,10-1,00

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37677-14-8	Chronic 3 - H412 VERTOM UGAL (Reaction Mass) EC number: 915-650-9 Skin Irrit. 2 - H315, Skin Sens. 1B - H317; Aquatic Acute 1 - H400, Aquatic Chronic 2-H411 Reaction mass of 3,5-dimethylcyclohex-3-ene-	0,10-1,00
68039-49-6	1- carbaldehyde and 2,4-dimethylcyclohex-3- ene-1- carbaldehyde Alternative CAS numbers: 27939-60-2 EC number: 943-728-2 Skin Irrit. 2 - H315, Skin Sens. 1B - H317; H227, Acute Tox. 5 - H303; Aquatic Chronic 2 - H411; Aquatic Acute 2 - H401	0,10-1,00
67634-00-8	ALLYL AMYL GLYCOLATE (Reaction Mass) EC number: 916-328-0 Acute Tox. 4 - H302, Acute Tox. 4 - H312; STOT RE 2 - H373; Aquatic Acute 1 - H400	0,10-1,00
19009-56-4	2-Methyldecanal (Aldehyde MOA) EC number: 242-745-6 Skin Irrit. 2 - H315, Skin Sens. 1B - H317; Aquatic Chronic 2 - H411; Aquatic Acute 2 - H401 tr-delta-1 -(2,6,6-T rimethyl-3-cyclohexen-1 -	0,10-1,00
71048-82-3	yl)-2-b uten-1-one (E-delta-Damascone) EC number: 275-156-8 Acute Tox. 4 - H302, Skin Irrit. 2 - H315, Skin Sens. 1A - H317; Aquatic Acute 1 - H400, Aquatic Chronic 1 - H410 Myrcene	0,10-1,00
123-35-3	EC number: 204-622-5 Asp. Tox. 1 - H304; Flam. Liq. 3 - H226; Skin Irrit. 2 - H315, Serious eye damage/irritation - Category 2A- H319; Aquatic Acute 1 - H400, Aquatic Chronic 2-H411 2,6,6-T rimethyl bicyclo[3.1.1]hept-2-ene	0,10-1,00
80-56-8	EC number: 201-291-9 Asp. Tox. 1 - H304; Flam. Liq. 3 - H226; Acute Tox. 4 - H302, Skin Irrit. 2 - H315, Skin Sens. 1B - H317; Aquatic Acute 1 - H400, Aquatic Chronic 1 - H410 trans-2-Hexenal	0,10-1,00
6728-26-3	EC number: 229-778-1 Flam. Liq. 3 - H226; Acute Tox. 4 - H302, Skin Irrit. 2 - H315, Serious eye	0,001-0,10

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	damage/irritation - Category 2A - H319, Skin Sens. 1A - H317; Aquatic Chronic 2 - H411; Aquatic Acute 2-H401

04 First aid measures

- Description of first aid measures
 - General information:
Seek immediate medical advice.
 - After inhalation:
Supply fresh air; consult doctor in case of complaints.
 - After skin contact:
Immediately wash with water and soap and rinse thoroughly.
 - After eye contact:
Rinse opened eye for several minutes under running water.
 - After swallowing:
If symptoms persist consult 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.

105 Firefighting measures

- Extinguishing media
 - Suitable extinguishing agents:
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
 - For safety reasons unsuitable extinguishing agents:
Non applicable
- Special hazards arising from the substance or mixture
No further relevant information available.
- Advice for firefighters
No specific advice

06 Accidental release measures

- Personal precautions, protective equipment and emergency procedures
 - For non-emergency personnel
Wear protective equipment. Keep unprotected persons away.
 - For emergency responders
Wear protective equipment. Keep unprotected persons away.
- Environmental precautions:
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). Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.
- Reference to other sections
See Section 13 for disposal information.

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107 Handling and storage

1. Precautions for safe handling
 - Avoid contact with skin and eyes Wear appropriate protective equipments (gloves, glasses ...)
 - Information about fire - and explosion protection:
 - Keep ignition sources away - Do not smoke.
2. Conditions for safe storage, including any incompatibilities
 - Requirements to be met by storerooms and receptacles:
 - Avoid exposure to extreme temperatures. Avoid prolonged contact with certain plastic materials (PVC..)
 - Further information about storage conditions:
 - Protect from heat and direct sunlight.
3. Specific end use(s)
 - No further relevant information available.

108 Exposure controls/personal protection

1. Control parameters
 - Ingredients with limit values that require monitoring at the workplace:
 - The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
 - Ingredients with biological limit values:
 - No further relevant information available.
2. Exposure controls
 - Personal protective equipment:
 - General protective and hygienic measures:
 - Avoid contact with the eyes and skin.
 - Respiratory protection:
 - Use suitable respiratory protective device in case of insufficient ventilation.
 - Protection of hands:
 - Only use chemical-protective gloves with CE-labelling of category III.
 - Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation 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.
 - Eye protection:
 - Safety glasses
 - Body protection:
 - Protective work clothing
 - Limitation and supervision of exposure into the environment
 - No further relevant information available.

109 Physical and chemical properties

General Information	
Physical state	Fluid
Appearance: Form:	Fluid
Odour:	Characteristic
pH-value:	Not determined.
Change in condition Melting point/freezing point:	Undetermined.
Initial boiling point and boiling range:	> 35 °C
Flash point:	>= 61 °C
Flammability (solid, gas):	Not applicable.
Ignition temperature:	Undetermined.
Decomposition temperature:	Not determined.

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Auto-ignition temperature:	Not determined.
Explosive properties:	Not determined.

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Explosion limits: Lower: Upper:	Not determined. Not determined.
Vapour pressure:	Not determined.
Density: Relative density Vapour density	Not determined.
Evaporation rate	0,9730- 1,0030 (20°C) Not determined. Not determined.
Solubility in 1 Miscibility with water:	
Partition coefficient: n-octanol/water:	Not determined.
Viscosity: Dynamic: Kinematic:	
	Not determined. Not determined.
Particle characteristics	Not determined.
Other information Additional information	No further relevant information available. Not applicable.
Surface tension:	Not determined.

10 Stability and reactivity

1. Reactivity
No further relevant information available.
2. Chemical stability
Good stability at conditions of use mentioned in point 7 and 10
3. Possibility of hazardous reactions
Reacts with strong oxidising agents.
4. Conditions to avoid
Avoid temperatures near the flash point (see Section 9). Avoid contact with oxidizing agents.
5. Incompatible materials:
No further relevant information available.
6. Hazardous decomposition products:
No dangerous decomposition products known.

11 Toxicological information

1. Information on toxicological effects
 - Acute toxicity
May be harmful if inhaled.

LD/LC50 values relevant for classification:
ZESTY WAVE - BA SELECT
Oral, LD50 ETA UN: 8590,03 mg/kg
Dermal, LD50 ETA UN: 45012,60 mg/kg
Inhalative, LC50/lh: 1094,80 mg/l

 - Skin corrosion / irritation
Causes skin irritation.
 - Serious eye damage / irritation
Causes serious eye irritation.

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Respiratory / skin sensitization
May cause an allergic skin reaction.

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

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

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.

Other information
No further relevant information available.

12 Ecological information

1. Toxicity
 - Aquatic toxicity: Very toxic to aquatic life.
2. Persistence and degradability
Harmful to aquatic life with long lasting effects.
 - Behaviour in environmental systems:
3. Bioaccumulative potential
Not available
4. Mobility in soil
Not available
5. Other adverse effects
No further relevant information available.

13 Disposal considerations

1. Waste treatment methods
 - Recommendation
Must be specially treated adhering to official regulations.
 - Uncleaned packaging:
 - Recommendation:
Disposal must be made according to official regulations.

14 Transport information

1. UN-Number
.ADR UN3082
.IMDG UN3082
.IATA UN3082
2. UN proper shipping name

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ADR 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (PERFUMERY PRODUCTS)
IMDG ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (PERFUMERY PRODUCTS)
IATA ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (PERFUMERY PRODUCTS)

3. Transport hazard class(es) .ADR

. Class

. Label

III
(M6) Miscellaneous dangerous substances and articles.



IMDG .

Class .

Label

9 Miscellaneous dangerous substances and articles.



IATA . Class

. Label

9 Miscellaneous dangerous substances and articles.



4. Packing group .ADR .IMDG

IATA

5. Environmental hazards: .
Marine pollutant:

6. Special precautions for user
Warning: Miscellaneous
dangerous substances and articles. . Danger
code
(Kemler):

Yes

90

. EMS Number:

F-AS-F

7. Transport in bulk according to Annex II of Marpol and the IBC Code Not applicable.

. Excepted quantities (EQ):

E1

• Transport/Additional information:

. Limited quantities (LQ)

5L

. Transport category

3

.IMDG

. Limited quantities (LQ)

5L

. Excepted quantities (EQ)

E1

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"Model Regulation":

UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (PERFUMERY PRODUCTS), 9, III

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15 Regulatory information

- National regulations:
 - Waterhazard class:
Water hazard class 3 (Self-assessment): extremely hazardous for water.
 - PFAS
None of the ingredients is listed.
2. 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.

1. Relevant phrases

H226	Flammable liquid and vapour.
H227	Combustible liquid.
H302	Harmful if swallowed.
H303	May be harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H313	May be harmful in contact with skin.
H315	Causes skin irritation.
H316	Causes mild skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H361	Suspected of damaging fertility or the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H401	Toxic to aquatic life.
H402	Harmful 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.

2. Department issuing MSDS:
Legislation / Regulatory Affairs Department
3. 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)
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
ICAO: International Civil Aviation Organisation
ICAO-T1: Technical Instructions by the "International Civil Aviation Organisation" (ICAO)
CAS: Chemical Abstracts Service (division of the American Chemical Society)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
SVHC: Substances of Very High Concern
4. Sources
RIFM Database
Suppliers Information
REACH registration dossier

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