

VITAL CONCEPT- VITA VAISSELLE PASTILLES - 0124

SAFETY DATA SHEET

(REACH regulation (EC) n° 1907/2006 - n° 2015/830)

SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name : VITAL CONCEPT- VITA VAISSELLE PASTILLES
Product code : 0124.

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

1.3. Details of the supplier of the safety data sheet

Registered company name : VITAL CONCEPT (distributeur BE).
Address : Avenue De Landas 2 Boite 2.1480. TUBIZES-SAINTES.BELGIQUE.
Telephone : 0800 582 42. Fax : 02 355 46 99.
info@vital-concept.com
www.vital-concept.be
Centre Anti-Poisons/Antigifcentrum/Giftzentrum

1.4. Emergency telephone number : 070/245 245.

Association/Organisation : Centre Anti-Poisons/Antigifcentrum/Giftzentrum.

SECTION 2 : HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

In compliance with EC regulation No. 1272/2008 and its amendments.

Skin irritation, Category 2 (Skin Irrit. 2, H315).
Serious eye damage, Category 1 (Eye Dam. 1, H318).
May produce an allergic reaction (EUH208).
This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.
This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

2.2. Label elements

Detergent mixture (see section 15).

In compliance with EC regulation No. 1272/2008 and its amendments.

Hazard pictograms :



GHS05

Signal Word :

DANGER

Product identifiers :

EC 239-707-6	DISODIUM CARBONATE, COMPOUND WITH HYDROGEN PEROXIDE (2:3)
014-010-00-8	DISODIUM METASILICATE
EC 215-687-4	SILICIC ACID,SODIUM SALT
EC POLYMER	ALCOHOLS, C9-11, ETHOXYLATED

Additional labeling :

EUH208 Contains SUBTILISIN. May produce an allergic reaction.

Hazard statements :

H315 Causes skin irritation.

H318 Causes serious eye damage.

Precautionary statements - Prevention :

P280 Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statements - Response :

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

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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P310 Immediately call a POISON CENTER or a doctor.
P332 + P313 If skin irritation occurs: Get medical advice/attention.
P362 + P364 Take off contaminated clothing and wash it before reuse.
Precautionary statements - Disposal :
P501 Dispose of contents / container in accordance with local / national regulations

2.3. Other hazards

The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC) >= 0.1% published by the European Chemicals Agency (ECHA) under article 57 of REACH: <http://echa.europa.eu/fr/candidate-list-table>

The mixture fulfils neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Composition :

Identification	(EC) 1272/2008	Note	%
INDEX: 011-005-00-2 CAS: 497-19-8 EC: 207-838-8 REACH: 01-2119485498-19-XXXX SODIUM CARBONATE	GHS07 Wng Eye Irrit. 2, H319		50 <= x % < 100
INDEX: 0356 CAS: 15630-89-4 EC: 239-707-6 REACH: 01-2119457268-30-XXXX DISODIUM CARBONATE, COMPOUND WITH HYDROGEN PEROXIDE (2:3)	GHS07, GHS05, GHS03 Dgr Ox. Sol. 2, H272 Acute Tox. 4, H302 Eye Dam. 1, H318		2.5 <= x % < 10
INDEX: 014-010-00-8 CAS: 6834-92-0 EC: 229-912-9 REACH: 01-2119449811-37-XXXX DISODIUM METASILICATE	GHS05, GHS07 Dgr Skin Corr. 1B, H314 STOT SE 3, H335		2.5 <= x % < 10
INDEX: 0940 CAS: 1344-09-8 EC: 215-687-4 REACH: 01-2119448725-31-XXXX SILICIC ACID,SODIUM SALT	GHS07, GHS05 Dgr Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335		2.5 <= x % < 10
INDEX: 0393 CAS: 68439-46-3 EC: POLYMER ALCOHOLS, C9-11, ETHOXYLATED	GHS07, GHS05 Dgr Acute Tox. 4, H302 Eye Dam. 1, H318		0 <= x % < 2.5
INDEX: 647-012-00-8 CAS: 9014-01-1 EC: 232-752-2 REACH: 01-2119480434-38 SUBTILISIN	GHS08, GHS05, GHS07 Dgr STOT SE 3, H335 Skin Irrit. 2, H315 Eye Dam. 1, H318 Resp. Sens. 1, H334	[1]	0 <= x % < 2.5

Information on ingredients :

[1] Substance for which maximum workplace exposure limits are available.

SECTION 4 : FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing by an unconscious person.

4.1. Description of first aid measures

In the event of exposure by inhalation :

In the event of an allergic reaction, seek medical attention.

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In the event of splashes or contact with eyes :

Wash thoroughly with fresh, clean water for 15 minutes holding the eyelids open.
Regardless of the initial state, refer the patient to an ophthalmologist and show him the label.
If there is any redness, pain or visual impairment, consult an ophthalmologist.

In the event of splashes or contact with skin :

Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner.
Watch out for any remaining product between skin and clothing, watches, shoes, etc.
In the event of an allergic reaction, seek medical attention.
If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital.

In the event of swallowing :

Do not give the patient anything orally.
In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.
Seek medical attention immediately, showing the label.

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

No data available.

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

No data available.

SECTION 5 : FIREFIGHTING MEASURES

Non-flammable.

5.1. Extinguishing media

5.2. Special hazards arising from the substance or mixture

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.
Do not breathe in smoke.

In the event of a fire, the following may be formed :

- carbon monoxide (CO)
- carbon dioxide (CO₂)

5.3. Advice for firefighters

Due to the toxicity of the gas emitted on thermal decomposition of the products, fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Consult the safety measures listed under headings 7 and 8.

For non first aid worker

Avoid any contact with the skin and eyes.

For first aid worker

First aid workers will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions

Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up

Retrieve the product by mechanical means (sweeping/vacuuming).

6.4. Reference to other sections

No data available.

SECTION 7 : HANDLING AND STORAGE

Requirements relating to storage premises apply to all facilities where the mixture is handled.

7.1. Precautions for safe handling

Always wash hands after handling.
Remove and wash contaminated clothing before re-using.
Emergency showers and eye wash stations will be required in facilities where the mixture is handled constantly.

Fire prevention :

Prevent access by unauthorised personnel.

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Recommended equipment and procedures :

For personal protection, see section 8.
Observe precautions stated on label and also industrial safety regulations.
Avoid eye contact with this mixture at all times.

Prohibited equipment and procedures :

No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities

No data available.

Packaging

Always keep in packaging made of an identical material to the original.

7.3. Specific end use(s)

No data available.

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits :

- ACGIH TLV (American Conference of Governmental Industrial Hygienists, Threshold Limit Values, 2010) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
9014-01-1			0,00006 mg/m3		

- UK / WEL (Workplace exposure limits, EH40/2005, 2007) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
9014-01-1	0,00004 mg/m3			Sen	

Derived no effect level (DNEL) or derived minimum effect level (DMEL):

SILICIC ACID,SODIUM SALT (CAS: 1344-09-8)

Final use:

Exposure method:
Potential health effects:
DNEL :

Workers.

Dermal contact.
Long term systemic effects.
1.59 mg/kg body weight/day

Exposure method:
Potential health effects:
DNEL :

Inhalation.
Long term systemic effects.
5.61 mg of substance/m3

Final use:

Exposure method:
Potential health effects:
DNEL :

Consumers.

Ingestion.
Long term systemic effects.
0.80 mg/kg body weight/day

Exposure method:
Potential health effects:
DNEL :

Dermal contact.
Long term systemic effects.
0.80 mg/kg body weight/day

Exposure method:
Potential health effects:
DNEL :

Inhalation.
Long term systemic effects.
1.38 mg of substance/m3

DISODIUM CARBONATE, COMPOUND WITH HYDROGEN PEROXIDE (2:3) (CAS: 15630-89-4)

Final use:

Exposure method:
Potential health effects:
DNEL :

Workers.

Dermal contact.
Long term local effects.
12 mg of substance/cm2

Exposure method:
Potential health effects:

Dermal contact.
Short term local effects.

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DNEL : 12 mg of substance/cm2

Exposure method: Inhalation.
Potential health effects: Long term local effects.
DNEL : 5 mg of substance/m3

Final use: **Man exposed via the environment.**
Exposure method: Dermal contact.
Potential health effects: Long term local effects.
DNEL : 6.4 mg of substance/cm2

SODIUM CARBONATE (CAS: 497-19-8)

Final use: **Workers.**
Exposure method: Inhalation.
Potential health effects: Long term local effects.
DNEL : 10 mg of substance/m3

Final use: **Consumers.**
Exposure method: Inhalation.
Potential health effects: Long term local effects.
DNEL : 10 mg of substance/m3

Predicted no effect concentration (PNEC):

SILICIC ACID,SODIUM SALT (CAS: 1344-09-8)

Environmental compartment: Fresh water.
PNEC : 7.5 mg/l

Environmental compartment: Sea water.
PNEC : 1 mg/l

Environmental compartment: Intermittent waste water.
PNEC : 7.5 mg/l

Environmental compartment: Waste water treatment plant.
PNEC : 348 mg/l

DISODIUM CARBONATE, COMPOUND WITH HYDROGEN PEROXIDE (2:3) (CAS: 15630-89-4)

Environmental compartment: Fresh water.
PNEC : 0.035 mg/l

Environmental compartment: Sea water.
PNEC : 0.035 mg/l

Environmental compartment: Intermittent waste water.
PNEC : 0.035 mg/l

Environmental compartment: Waste water treatment plant.
PNEC : 16.24 mg/l

8.2. Exposure controls

Personal protection measures, such as personal protective equipment

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE) :



Use personal protective equipment that is clean and has been properly maintained.
Store personal protective equipment in a clean place, away from the work area.

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Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- Eye / face protection

Avoid contact with eyes.

Before handling powders or dust emission, wear mask goggles in accordance with standard EN166.

Prescription glasses are not considered as protection.

Provide eyewash stations in facilities where the product is handled constantly.

- Hand protection

Wear suitable protective gloves in the event of prolonged or repeated skin contact.

Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374.

Gloves must be selected according to the application and duration of use at the workstation.

Protective gloves need to be selected according to their suitability for the workstation in question : other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.

Recommended properties :

- Impervious gloves in accordance with standard EN374

- Body protection

Avoid skin contact.

Wear suitable protective clothing.

Suitable type of protective clothing :

Wear protective clothing against solid chemicals and particles suspended in the air (type 5) in accordance with standard EN13982-1 to prevent skin contact.

Work clothing worn by personnel shall be laundered regularly.

After contact with the product, all parts of the body that have been soiled must be washed.

- Respiratory protection

Avoid breathing dust.

Type of FFP mask :

Wear a disposable half-mask dust filter in accordance with standard EN149.

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

General information :

Physical state : Solid.

Important health, safety and environmental information

pH : Not relevant.

Boiling point/boiling range : Not relevant.

Flash point interval : Not relevant.

Vapour pressure (50°C) : Not relevant.

Density : Not stated.

Water solubility : Soluble.

Melting point/melting range : Not relevant.

Self-ignition temperature : Not relevant.

Decomposition point/decomposition range : Not relevant.

% VOC : 0.06

9.2. Other information

No data available.

SECTION 10 : STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions

No data available.

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10.4. Conditions to avoid

Avoid :

- formation of dusts
- frost

Dusts can form an explosive mixture with air.

10.5. Incompatible materials

10.6. Hazardous decomposition products

The thermal decomposition may release/form :

- carbon monoxide (CO)
- carbon dioxide (CO₂)

SECTION 11 : TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

May cause irreversible damage to the skin; namely inflammation of the skin or the formation of erythema and eschar or oedema following exposure up to four hours.

May have irreversible effects on the eyes, such as tissue damage in the eye, or serious physical decay of sight, which is not fully reversible by the end of observation at 21 days.

Serious eye damage is typified by the destruction of cornea, persistent corneal opacity and iritis.

11.1.1. Substances

Acute toxicity :

ALCOHOLS, C9-11, ETHOXYLATED (CAS: 68439-46-3)

Oral route : LD₅₀ = 1200 mg/kg
Species : Rat

Dermal route : 2,000 < LD₅₀ <= 5000 mg/kg
Species : Rat

SILICIC ACID,SODIUM SALT (CAS: 1344-09-8)

Oral route : LD₅₀ > 3400 mg/kg
Species : Rat

Dermal route : LD₅₀ >= 5000 ml/kg
Species : Rabbit

Inhalation route (Dusts/mist) : LC₅₀ > 2060 mg/m³
Species : Rat

DISODIUM CARBONATE, COMPOUND WITH HYDROGEN PEROXIDE (2:3) (CAS: 15630-89-4)

Oral route : LD₅₀ = 1034 mg/kg

Dermal route : LD₅₀ > 5000 mg/kg

Serious damage to eyes/eye irritation :

DISODIUM CARBONATE, COMPOUND WITH HYDROGEN PEROXIDE (2:3) (CAS: 15630-89-4)

The substance produces at least in one animal effects on the cornea that are not expected to reverse or have not fully reversed within an observation period of normally 21 days.

Germ cell mutagenicity :

ALCOHOLS, C9-11, ETHOXYLATED (CAS: 68439-46-3)

No mutagenic effect.

OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test)

SILICIC ACID,SODIUM SALT (CAS: 1344-09-8)

No mutagenic effect.

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Mutagenesis (in vivo) : Negative.

Carcinogenicity :

ALCOHOLS, C9-11, ETHOXYLATED (CAS: 68439-46-3)

Carcinogenicity Test : Negative.
No carcinogenic effect.

SILICIC ACID,SODIUM SALT (CAS: 1344-09-8)

Carcinogenicity Test : Negative.
No carcinogenic effect.

Reproductive toxicant :

SILICIC ACID,SODIUM SALT (CAS: 1344-09-8)

No toxic effect for reproduction

Specific target organ systemic toxicity - repeated exposure :

SILICIC ACID,SODIUM SALT (CAS: 1344-09-8)

Inhalation route : C > 159 mg/litre/6h/day
Species : Rat
Duration of exposure : 90 days

11.1.2. Mixture

Respiratory or skin sensitisation :

Contains at least one sensitising substance. May cause an allergic reaction.

SECTION 12 : ECOLOGICAL INFORMATION

12.1. Toxicity

12.1.1. Substances

ALCOHOLS, C9-11, ETHOXYLATED (CAS: 68439-46-3)

Fish toxicity : 1 < LC50 <= 10 mg/l
Duration of exposure : 96 h

ECx > 1 mg/l
Duration of exposure : 21 days

Crustacean toxicity : 1 < EC50 <= 10 mg/l
Species : Daphnia magna
Duration of exposure : 48 h

ECx > 1 mg/l
Duration of exposure : 21 days

Algae toxicity : 1 < ECr50 <= 10 mg/l
Species : Skeletonema costatum
Duration of exposure : 72 h

SILICIC ACID,SODIUM SALT (CAS: 1344-09-8)

Fish toxicity : LC50 = 1108 mg/l
Species : Brachydanio rerio
Duration of exposure : 96 h

Crustacean toxicity : EC50 = 1700 mg/l
Species : Daphnia magna
Duration of exposure : 48 h

12.1.2. Mixtures

No aquatic toxicity data available for the mixture.

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12.2. Persistence and degradability

12.2.1. Substances

ALCOHOLS, C9-11, ETHOXYLATED (CAS: 68439-46-3)

Biodegradability : Rapidly degradable.

DISODIUM CARBONATE, COMPOUND WITH HYDROGEN PEROXIDE (2:3) (CAS: 15630-89-4)

Biodegradability : no degradability data is available, the substance is considered as not degrading quickly.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Other adverse effects

No data available.

SECTION 13 : DISPOSAL CONSIDERATIONS

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods

Do not pour into drains or waterways.

Waste :

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging :

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

SECTION 14 : TRANSPORT INFORMATION

Exempt from transport classification and labelling.

14.1. UN number

-

14.2. UN proper shipping name

-

14.3. Transport hazard class(es)

-

14.4. Packing group

-

14.5. Environmental hazards

-

14.6. Special precautions for user

-

SECTION 15 : REGULATORY INFORMATION

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

- Classification and labelling information included in section 2:

The following regulations have been used:

- EU Regulation No. 1272/2008 amended by EU Regulation No. 2016/1179. (ATP 9)

- Container information:

No data available.

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- Particular provisions :

No data available.

- Labelling for detergents (EC Regulation No. 648/2004,907/2006) :

- less than 5 % : phosphonates
- less than 5 % : nonionic surfactants
- 5 % or over but less than 15 % : oxygenbased bleaching agents
- less than 5 % : polycarboxylates
- enzymes
- perfumes

15.2. Chemical safety assessment

No data available.

SECTION 16 : OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Wording of the phrases mentioned in section 3 :

H272	May intensify fire; oxidiser.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.

Abbreviations :

DNEL : Derived No-Effect Level

PNEC : Predicted No-Effect Concentration

ADR : European agreement concerning the international carriage of dangerous goods by Road.

IMDG : International Maritime Dangerous Goods.

IATA : International Air Transport Association.

ICAO : International Civil Aviation Organisation

RID : Regulations concerning the International carriage of Dangerous goods by rail.

WGK : Wassergefährdungsklasse (Water Hazard Class).

GHS05 : Corrosion

PBT: Persistent, bioaccumulable and toxic.

vPvB : Very persistent, very bioaccumulable.

SVHC : Substances of very high concern.