

SAFETY DATA SHEET

According to EC 1907/2006 (REACH)

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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

SDS : 26055
Supplier : ISOBIONICS B.V.
Urmonderbaan 22
Building: 45.01.005
6167 RD Geleen
The Netherlands
TEL:+31 (0)433 020212

Tradename : VALENCENE 75%
Chemical name : VALENCENE
CAS number : 4630-07-3
EC-number : 225-047-6
Formula : C₁₅H₂₄
Molecular weight : 204.36

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

Use : INGREDIENT USED IN FLAVOUR AND/OR FRAGRANCE PREPARATIONS
Uses advised against : Data not available.

1.3. Details of the supplier of the safety data sheet

Supplier safety data sheet : Philips Electronics Nederland B.V., Philips Environment & Safety, High Tech Campus 37, 5656 AE Eindhoven, Tel. +31 (0)40 2747588
Responsible department : info@isobionics.com

1.4. Emergency telephone number

Emergency telephone number : +31 (0)497-598315

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

(EC) No 1272/2008

Aspiration hazard

Category 1

H304

2.2. Label elements

(EC) No 1272/2008

Hazard pictogram(s)



Signal word : Danger !

Hazard statements

H304

May be fatal if swallowed and enters airways.

Precautionary statements

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P331 Do NOT induce vomiting.
P405 Store locked up.
P501 Dispose of contents/container to a hazardous or special waste collection point.

Hazardous component(s) VALENCENE

Remarks on labelling none

2.3. Other hazards

If applicable: see section 6.1 and section 7.1.

SECTION 3: Composition/information on ingredients

Component	CAS-no. EC-no.	Index No. Registration no.	Percentage(%)	Label
VALENCENE	4630-07-3 225-047-6		≥75.0 - <80.0	GHS08 H304 Asp. tox. 1

For the full text of the H-sentences mentioned in this section, see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Skin : Remove residue substance as soon as possible from the skin (f.i. rinse with plenty of water).
Ingestion : If the victim is conscious let him rinse the mouth with water. Do NOT let him drink. Bring victim as soon as possible to hospital.
Inhalation : Bring the victim into the fresh air as soon as possible, let rest and if necessary call for a doctor.
Eyes : Rinse for a long time with plenty of water. In case of eye-sight disturbances consult a doctor.

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

Skin local : The substance is prickling: redness.
general : Probably no absorption worth mentioning.
Ingestion local : The substance is prickling: sore throat.
: Chance of pulmonary affections if choked.
general : The substance may be absorbed after ingestion.
Inhalation local : The substance is with atomising prickling: sore throat.
general : Probably no absorption worth mentioning.
Eyes local : The substance is prickling: redness.
Remarks symptoms : The substance has an effect on: the lungs.

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

For advice on further treatment contact a (national) poison center.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable fire-extinguisher

carbon dioxide, extinguishing powder, foam, water spray

Unsuitable fire-extinguisher

not traceable

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in fire : carbon monoxide

5.3. Advice for firefighters

In the event of fire, wear protective clothing and use breathing apparatus that is independent of the ambient air.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Precautions

Use protective equipment. See section 8.
Read label before use.

Emergency procedure

Is not to be expected.

6.2. Environmental precautions

Remainder material or uncleaned empty packagings have to be incinerated in a proper installation or dumped on an approved landfill, in accordance with local and national legislation.

6.3. Methods and material for containment and cleaning up

Spillage procedure

Absorb the liquid in appropriate absorbent (e.g. Powersorb, dry sand, diatomite, vermiculite etc.), shovel the mixture into plastic bags and remove to the central depot for hazardous waste.

6.4. Reference to other sections

See section 8 for appropriate personal protection.

See section 13 for additional information on waste treatment.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Observe label precautions.

Do not eat, drink or smoke in work areas. Remove contaminated clothing and protective equipment. Wash hands after leaving the work area.

Local exhausting : Depends on processing circumstances, but at least good room ventilation.

Storage code (on behalf of PGS 15) : none

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : See also any precautionary statements in section 2.2.
Store product in a closed, original container, cool, dry, in a well ventilated area, protected from the sun, away from ignition sources or heatsources.

Storage temperature : ≥ 2 °C - ≤ 8 °C

7.3. Specific end use(s)

Data not available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits :

applicable to: The Netherlands

No TWA has been laid down.

VALENCENE

C=Ceiling; S=Skin

Remarks exposure limits :

none

DNEL (Derived No Effect Level)

Data not available.

PNEC (Predicted No Effect Concentration)

Data not available.

8.2. Exposure controls

Advised personal protection :

Hands : butyl rubber gloves
Breakthrough time : For information: consult the supplier of the gloves.
Eyes : safety goggles
Inhalation : none (when sufficient exhausting)
Skin : protective clothing (such as: apron, coverall, boots)

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : liquid
Colour : colourless / yellow
Odour : like orange / woody
Odour threshold (20°C; 1013 mbar) : not traceable
pH : not applicable

Melting point/range	: not traceable
Apparent melting point	: not applicable
Boiling point/range	: ≥ 270 °C - ≤ 274 °C (1013 mbar)
Flash point/range	: ≥ 100 °C - ≤ 110 °C
Vapor rate/range	: not traceable
Flammability (solid, gas)	: data not available
Explosive limits	: not traceable
Vapour pressure	: <0.013 kPa (20 °C)
Relative density	: ≥ 0.900 - ≤ 0.970 (water=1) (20 °C)
Solubility in water	: none
Log Po/w	: 6.3
Autoignition temperature	: not traceable
Decomposition temperature	: not traceable
Viscosity	: not traceable
Dust explosions possible in air	: not applicable
Oxidising properties	: no

Source : Easi View

9.2. Other information

Solubility in fat	: not traceable
Electrostatic chargement	: not traceable
Critical temperature	: not applicable

SECTION 10: Stability and reactivity

10.1. Reactivity

See section 10.2 - 10.6.

10.2. Chemical stability

The substance or mixture is stable under normal conditions. See also section 10.4.

10.3. Possibility of hazardous reactions

Reactions with water	: no
Other hazardous conditions	: Data not available.

10.4. Conditions to avoid

Data not available.

10.5. Incompatible materials

Hazardous reactions with : oxidizing substances, acids, alkaline solutions

10.6. Hazardous decomposition products

Hazardous decomposition products at heating : none

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute oral toxicity

There are no data available.

Acute dermal toxicity

There are no data available.

Acute inhalation toxicity

There are no data available.

Ames test

not traceable

Skin corrosion/irritation

The substance or mixture is not classified for skin corrosion/-irritation.

Serious eye damage/irritation

The substance or mixture is not classified for serious eye damage/irritation.

Respiratory or skin sensitisation

The substance or mixture is not classified for respiratory or skin sensitisation.

Germ cell mutagenicity

The substance or mixture is not classified for germ cell mutagenicity.

Carcinogenicity

The substance or mixture is not classified for carcinogenicity.

Additional information regarding carcinogenicity (NTP, IARC, OSHA)

NTP: no IARC: no OSHA: no VALENCENE

Reproductive toxicity

The substance or mixture is not classified for reproductive toxicity.

Specific target organ toxicity-single exposure

The substance or mixture is not classified for specific target organ toxicity-single exposure.

Specific target organ toxicity-repeated exposure

The substance or mixture is not classified for specific target organ toxicity-repeated exposure.

Aspiration hazard

May be fatal if swallowed and enters airways.

Symptoms

Skin	local	:	The substance is prickling: redness.
	general	:	Probably no absorption worth mentioning.
Ingestion	local	:	The substance is prickling: sore throat.
		:	Chance of pulmonary affections if choked.
	general	:	The substance may be absorbed after ingestion.
Inhalation	local	:	The substance is with atomising prickling: sore throat.
	general	:	Probably no absorption worth mentioning.
Eyes	local	:	The substance is prickling: redness.
Remarks symptoms		:	The substance has an effect on: the lungs.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity

not traceable

12.2. Persistence and degradability

Biological oxygen demand : not traceable
Chemical oxygen demand : not traceable
Biological/chemical oxygen demand ratio : not traceable
Degradability : not traceable

12.3. Bioaccumulative potential

Bioconcentration factor (BCF)	: 50700	VALENCENE	Source	: Supplier
Log Po/w	: 6.3	VALENCENE	Source	: Easi View

12.4. Mobility in soil

Henry Constant	: 0.178 atm m ³ /mol	VALENCENE	Source	: Easi View
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12.5. Results of PBT and vPvB assessment

Data not available.

12.6. Other adverse effects

Remarks on ecotoxicity : none

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Remainder material or uncleaned empty packagings have to be incinerated in a proper installation or dumped on an approved landfill, in accordance with local and national legislation.

SECTION 14: Transport information

14.1. UN number

Not subject to Transport-regulation Dangerous Substances

14.2. UN proper shipping name

Not subject to Transport-regulation Dangerous Substances

14.3. Transport hazard class(es)

Not subject to Transport-regulation Dangerous Substances

14.4. Packing group

Not subject to Transport-regulation Dangerous Substances

14.5. Environmental hazards

Marine pollutant : no

14.6. Special precautions for user

Not subject to Transport-regulation Dangerous Substances

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Data not available.

SECTION 15: Regulatory information

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

- The component(s), as mentioned in section 3, are registered in the Toxic Substances Control Act Inventory (TSCA-USA).

15.2. Chemical safety assessment

- Data not available.

SECTION 16: Other information

Remarks on SDS : none

Overview relevant H-sentences from all components in section 3

H304 May be fatal if swallowed and enters airways.

Training advice

Provide adequate information, instruction and training for operators.

A key or legend to abbreviations and acronyms used in the safety data sheet

REACH	Registration, Evaluation and Authorisation of Chemicals
GHS	Globally Harmonised System of Classification and Labelling of Chemicals
CAS	Chemical Abstracts Service
TGG = TWA	Time Weighted Average
LEL	Lower Explosive Limit
UEL	Upper Explosive Limit
NTP	National Toxicology Program
KHC	Known Human Carcinogen
RAHC	Reasonably Anticipated Human Carcinogen
IARC	International Agency for Research on Cancer
OSHA	Occupational Safety & Health Administration
ADR	Accord européen relatif au transport international des marchandises Dangereuses par Route
RID	Règlement concernant le transport international ferroviaire des marchandises dangereuses
UN	United Nations
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
IATA	International Air Transport Association
ICAO	International Civil Aviation Organization
EmS	Emergency Schedule

* Point to alterations with regard to the previous version.

The information provided in this Safety Data Sheet is believed to be correct as of the date issued. Philips Electronics Nederland B.V. makes no warranty as to its contents, nor as to its fitness for any particular purpose or use.