

SAFETY DATA SHEET

According to EC 1907/2006 (REACH)

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

MSDS : 27383
Supplier : ISOBIONICS B.V.

 Urmonderbaan 22
 Building: 007.1.004
 6167 RD Geleen
 The Netherlands
 TEL:+31 46 457 4500
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Tradename : NOOTKATONE
Chemical name : NOOTKATONE
EC-number : 225-124-4
Formula : C₁₅H₂₂O
Molecular weight : 218.34
Use : Various
Date last update : 2011-10-19
Publication date : 2011-10-10
Supplier safety data sheet : Philips Electronics Nederland B.V., P.O. Box 218, 5600 MD Eindhoven, Tel. +31 40 2786069
Responsible department : info@isobionics.com
Emergency phone number : +31 (0)497-598315

2. Hazards identification

GHS Classification ((EC) No 1272/2008)

Not classified according to GHS classification.

GHS-Label : not applicable

Remarks on GHS-labelling : none

EC Classification ((EC) No 67/548 or 1999/45)

Not classified according to EC classification.

EC-Label : not applicable

Remarks on EC-labelling : none

Other hazards : Data not available.

3. Composition/information on ingredients

Component	CAS-no	EC-no	Catalogue-no	Percentage(%)	GHS-label EC-label
NOOTKATONE	4674-50-4	225-124-4			

4. 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. In case of general disorders call for a doctor.
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.
Remarks first aid : none

5. Firefighting measures

Fire-extinguisher : water, special extinguishing powder, water spray
Unsuitable fire-extinguisher : not traceable
Special fire-fighting equipment : In the event of fire, wear protective clothing and use breathing apparatus that is independent of the ambient air.

Hazardous decomposition products in fire : carbon monoxide

6. Accidental release measures

Spillage procedure : Sweep or shovel the spilt material into plastic bags and remove to the central depot for hazardous waste.
Emergency procedure : not applicable

7. Handling and storage

Local exhausting : Under normal circumstances not applicable.
Storage conditions : Store product protected from the sun, away from ignition sources or heat sources, cool, dry, in a closed packaging, in a well ventilated area.
Storage code (on behalf of PGS : none 15)

8. Exposure controls/personal protection

Exposure limits :

applicable to: The Netherlands

No TWA has been laid down.

NOOTKATONE

C=Ceiling; S=Skin

Remarks exposure limits :

Observe the TWA-value for irritant inhalable dust (10 mg/m³) and respirable dust (5 mg/m³) if the values for components are not available.

Odour threshold (20°C; 1013 mbar) :

not traceable

DNEL (Derived No Effect Level)

not traceable

PNEC (Predicted No Effect Concentration)

not traceable

Advised personal protection :

Hands : butyl rubber gloves
Breakthrough time : For information: consult the supplier of the gloves.
Eyes : safety goggles
Inhalation : dust mask P2
Skin : antistatic clothing
antistatic footwear

9. Physical and chemical properties

Physical state : solid
Colour : colourless / white
Odour : specific
Vapor rate/range : not applicable
Boiling point/range : not traceable
Melting point/range : ≥32 °C - ≤39 °C
Apparent melting point : not applicable
Flash point/range : ≥93 °C
Explosive limits : not traceable
Dust explosions possible in air : yes
Relative density : ≥0.991 - ≤1.005 (water=1) (20 °C)
Vapour pressure : not applicable
Solubility in water : none
Solubility in fat : not traceable
pH : not applicable
Viscosity : not applicable
Critical temperature : not applicable
Autoignition temperature : not traceable
Decomposition temperature : not traceable
Electrostatic chagement : yes

10. Stability and reactivity

Conditions to avoid : none
Reactions with water : no
Hazardous reactions with : oxidizing substances
Hazardous decomposition products at heating : none

11. Toxicological information

Symptoms

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

Toxicity :

LD-50: >8.0 g/kg (ORL-RAT), NOOTKATONE
 LD-50: >3.0 g/kg (SKN-RBT), NOOTKATONE

Source : Supplier
Source : Supplier

Ames test : not traceable

12. Ecological information

Biological oxygen demand (5) : not traceable
Chemical oxygen demand : not traceable
Biological/chemical oxygen demand ratio : not traceable
Degradability : not traceable
Biochemical factor : not traceable
Log Po/w : 4.88 NOOTKATONE
Henry Constant : 0.000149 atm m3/mol NOOTKATONE

Source : Easi View
Source : Easi View

Ecotoxicity :
 not traceable

Remarks on ecotoxicity : none

13. Disposal considerations

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.

14. Transport information

Not subject to Transport-regulation Dangerous Substances

15. Regulatory information

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 (USA).

16. Other information

Remarks on MSDS : none

Overview relevant H-sentences from all components in section 3 :
 not applicable

Overview relevant hazard statements from all components in section 3 :
 not applicable

Overview relevant R-sentences from all components in section 3 :
 not applicable

* Point to alterations with regard to the previous version.
 The information provided in this Material Safety Data Sheet is correct to the best of the knowledge, information and belief of ISOBIONICS B.V. at the date of its printing.