



Trade name: Naphthalinum in globulis

Substance number: 065712

Version: 1 / CH

Date revised: 29.03.12

Replaces Version: - / CH

Date of printing: 29.03.12

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

1.1. Product identifier

Naphthalinum in globulis

Item-No. 06571200

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

Use of the substance/preparation

Chemical for synthesis

1.3. Details of the supplier of the safety data sheet

Address

Hänseler AG

Industriestrasse 35

9101 Herisau

Telephone no. 0041 (0)71 353 58 58

E-mail address of sdb@haenseler.ch

person responsible
for this SDS

1.4. Emergency telephone number

Switzerland :145 / Abroad +41 (0)44 251 51 51

2. Hazards identification

2.1. Classification of the substance or mixture

Classification (Regulation (EC) No. 1272/2008)

Classification (Regulation (EC) No. 1272/2008)

Acute Tox. 4 H302

Aquatic Acute 1 H400

Carc. 2 H351

Aquatic Chronic 1 H410

Flam. Liq. 2 H228

Classification in accordance with EC directives

Classification Carc.Cat.3, R40

Xn, R22

N, R50/53

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

Hazard pictograms



Signal Word

Warning

Hazard statements

H228

Flammable solid.

H302

Harmful if swallowed.

H351.1

Suspected of causing cancer.



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H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements

P273 Avoid release to the environment.
 P281 Use personal protective equipment as required.
 P308+P313 IF exposed or concerned: Get medical advice/attention.
 P370+P378.1 In case of fire: Use dry sand for extinction.

Labelling in accordance with EC directives 1999/45/EC and 67/548/EEC

The product is classified and labelled in accordance with EC directives/the relevant national laws.

Hazard symbols

Harmful



Dangerous for the environment

R phrases

22 Harmful if swallowed.
 40 Limited evidence of a carcinogenic effect.
 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S phrases

2 Keep out of the reach of children.
 36/37 Wear suitable protective clothing and gloves.
 46 If swallowed, seek medical advice immediately and show this container or label.
 60 This material and its container must be disposed of as hazardous waste.
 61 Avoid release to the environment. Refer to special instructions/Safety data sheets.

Hazardous component(s) to be indicated on label

contains Naphthalene

3. Composition/information on ingredients**Molecular weight**

Value 128.17 g/mol

Hazardous ingredients**Naphthalene**

CAS No. 91-20-3
 EINECS no. 202-049-5
 Concentration >= 50 %
 Classification Carc.Cat.3, R40
 Xn, R22
 N, R50/53

Classification (Regulation (EC) No. 1272/2008)

Acute Tox. 4 H302
 Aquatic Acute 1 H400
 Carc. 2 H351
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4. First aid measures

4.1. Description of first aid measures

After inhalation

Ensure supply of fresh air. Summon a doctor immediately.

After skin contact

Wash immediately with plenty of water for several minutes. Remove contaminated, soaked clothing immediately and dispose of safely. Seek medical advice immediately.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). Summon a doctor immediately.

After ingestion

Drink water in small gulps. Summon a doctor immediately.

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

Gastrointestinal complaints, Headache, Convulsions

5. Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Water, Carbon dioxide, Foam, Dry powder

5.2. Special hazards arising from the substance or mixture

If a fire breaks out nearby evolution of dangerous gases possible. Forms explosive mixture with air are possible.

5.3. Advice for firefighters

Special protective equipment for fire-fighting

Use self-contained breathing apparatus. Use personal protective clothing.

Other information

Do not discharge into surface waters/groundwater. Suppress vapours with water spray jet.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with eyes and skin. Do not inhale dust. Ensure adequate ventilation. Wear protective equipment

6.2. Environmental precautions

Do not allow to enter drains.

6.3. Methods and material for containment and cleaning up

Dampen, pick up mechanically and dispose of. Clean up affected area. Avoid raising dust.

7. Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Observe safety references and application instructions mentioned on can.

Classification of fires / temperature class / Ignition group / Dust explosion class

Temperature class

T1



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7.2. Conditions for safe storage, including any incompatibilities

Recommended storage temperature

Value 15 - 25 °C

Further information on storage conditions

Keep container tightly closed. Store in a dry place. Protect from heat. Keep away from sources of ignition.

8. Exposure controls/personal protection

8.1. Control parameters

Exposure limit values

Naphthalene

List	SUVA			
Type	MAK			
Value	50	mg/m ³	10	ppm(V)

Skin resorption / sensibilisation: H; Status: 2005;

8.2. Exposure controls

Exposure controls

See chapter 7. No measures exceeding the ones mentioned are necessary.

General protective and hygiene measures

Remove contaminated, soaked clothing immediately and dispose of safely. Preventative skin protection. Wash hands and face after work.

Respiratory protection

Breathing apparatus in the event of aerosol. Short term: filter apparatus, combination filter A-P3

Hand protection

Appropriate Material	nitrile rubber - NBR
Material thickness	0.11 mm
Penetrating time	> 480 min

Eye protection

Safety glasses

Body protection

protective overalls

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form	solid
Colour	white
Odour	characteristic

Melting point

Value 79 to 82 °C

Boiling point

Value 218 °C

Flash point

Value 80 °C

Explosion limits

Lower explosion limit 0.9 %(V)



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Upper explosion limit 5.9 %(V)

Vapour pressure

Value 0.08 hPa

Temperature 20 °C

DensityValue 1.15 g/cm³

Temperature 20 °C

Solubility in water

Value 0.03 g/l

Temperature 25 °C

Octanol/water partition coefficient (log Pow)

log Pow 3.30

Temperature 20 °C

method OECD 107

Ignition temperature

Value 540 °C

9.2. Other information**Bulk density**Value appr. 550 to 600 mg/m³**Other information**

Combustible solid product. Forms explosive mixture with air are possible.

10. Stability and reactivity**10.1. Reactivity**

Accumulation of fine dust may entail the risk of a dust explosion in the presence of air.

10.4. Conditions to avoid

To avoid thermal decomposition, do not overheat.

10.5. Incompatible materials

Reacts violently with: Oxidising agents, Risk of explosion with: nitrogen oxides

10.6. Hazardous decomposition products

No data available.

11. Toxicological information**11.1. Information on toxicological effects****Acute oral toxicity**Species rat
LD50 > 2000 mg/kg
method OECD 401**Acute dermal toxicity**Species rat
LD50 > 2500 mg/kg
Source IUCLID**Acute inhalational toxicity**Species rat
LC50 > 100 mg/l



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Serious eye damage/irritation

valuation slightly irritant

Mutagenicity

Species Salmonella typhimurium

Remarks negative

Carcinogenicity

Remarks May cause cancer.

Experience in practice

headache. spasms

Other information

Observe the usual precautions for handling chemicals.

12. Ecological information**12.1. Toxicity****Fish toxicity**

Species	Fathead minnow (Pimephales promelas)		
LC50	1.99		mg/l
Duration of exposure	96	h	

Daphnia toxicity

Species	Daphnia magna		
EC50	2.19		mg/l
Duration of exposure	48	h	

12.2. Persistence and degradability**Biodegradability**

valuation Slightly eliminable from water

12.3. Bioaccumulative potential**Octanol/water partition coefficient (log Pow)**

log Pow	3.30		
Temperature	20	°C	
method	OECD 107		

13. Disposal considerations**13.1. Waste treatment methods****Disposal recommendations for the product**

Disposal in compliance with local and national regulations.

Disposal recommendations for packaging

Dispose of as unused product.

14. Transport information**Land transport ADR/RID****14.1. UN number**

UN 1334

14.2. UN proper shipping name

NAPHTHALENE, REFINED

14.3. Transport hazard class(es)

Class 4.1



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Label 4.1

14.4. Packing group

Packing group III

Marine transport IMDG/GGVSee**14.1. UN number**

UN 1334

14.2. UN proper shipping name

NAPHTHALENE, REFINED

14.3. Transport hazard class(es)

Class 4.1

14.4. Packing group

Packing group III

14.5. Environmental hazards

Marine Pollutant

Air transport ICAO/IATA**14.1. UN number**

UN 1334

14.2. UN proper shipping name

NAPHTHALENE, REFINED

14.3. Transport hazard class(es)

Class 4.1

14.4. Packing group

Packing group III

15. Regulatory information**15.2. Chemical safety assessment**

For this substance a chemical safety assessment has not been carried out.

16. Other information**R-phrases listed in chapter 3**

22	Harmful if swallowed.
40	Limited evidence of a carcinogenic effect.
50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Hazard statements listed in chapter 3

H302	Harmful if swallowed.
H351	Suspected of causing cancer.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Supplemental information

Relevant changes compared with the previous version of the safety data sheet are marked with: ***
This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.