

a-NAPHTHOLBENZEIN

Revision: 00 Date: 24.10.2019 MSDS Number: 0229

Section 1 - Chemical Product and Company Identification

1.1 Product Name : a-NAPHTHOLBENZEIN

Synonyms : 4,4'-(α-Hydroxybenzylidene)di-1-naphthol

 CAS No.
 : 145-50-6

 HS Code
 2914 50 00

 Molecular Weight
 : 374.44 g/mol

 Chemical Formula
 : C₂₇H₁₈O₂

 Product Code
 : A-2991

 Brand
 : SMART-LAB

1.2 Manufacturer :PT.Smart-Lab Indonesia

Address : Ruko Boulevard Taman Tekno Blok E No.10-11,BSD Sektor XI Serpong,

Tangerang – Indonesia

Website :www.smartlabid.com
Email :sales@smartlabid.com

For information :Telp: +62 21-7588 0205(Hunting), fax:+62-21-7588 0198

1.3 Application : General Chemical reagent **Emergency Telephone:** +62-21-7588 0205(Hunting)

Section 2 - Hazards Identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Skin irritation (Category 2) Eye irritation (Category 2) Specific target organ toxicity - single exposure (Category 3)

For the full text of the H-Statements mentioned in this Section, see Section 16

2.2 Label elements

Labelling according Regulation (EC) No 1272/2008

Pictogram



Signal word warning

Hazard statement(s)

H315 Causes skin irritation.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation

Precautionary statement(s)

P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several

minutes. Remove contact

lenses, if present and easy to do. Continue rinsing.

Supplemental Hazard Statements none



a-NAPHTHOLBENZEIN

Revision: 00	Date : 24.10.2019	MSDS Number : 0229
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2.3 Other hazards

none

Section 3 - Composition, Information on Ingredients

3.1 Substances

Synonyms : 4,4'-(α-Hydroxybenzylidene)di-1-naphthol

Formula : $C_{27}H_{18}O_2$ Molecular weight : 374.44 g/mol CAS-No. : 145-50-6 EC-No. : 205-656-3

Hazardous ingredients according to Regulation (EC) No 1272/2008

Component	Classification	Concentration
4,4'-(α-Hydroxybenzylidene)di- 1-naphthol	Eye Irrit. 2; H302, H319	<=100 %

For the full text of the H-Statements mentioned in this Section, see Section 16.

Section 4 - First Aid Measures

4.1 Description of first aid measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact

Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.

In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed

No data available

Section 5 - Firefighting Measures

5.1 Extinguishing media

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide



a-NAPHTHOLBENZEIN

Revision : 00 Date : 24.10.2019 MSDS Number : 0229

5.2 Special hazards arising from the substance or mixture

Carbon oxides

5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

5.4 Further information

No data available

Section 6 - Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Avoid breathing dust. For personal protection see section 8.

6.2 Environmental precautions

Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For disposal see section 13.

Section 7 - Handling and Storage

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Storage class (TRGS 510): Combustible Solids

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

Section 8 - Exposure Controls, Personal Protection

8.1 Control parameters

8.2 Exposure control

Appropriat engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).



a-NAPHTHOLBENZEIN

Revision: 00 Date: 24.10.2019 MSDS Number: 0229

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Full contact

Material: Nitrile rubber

Minimum layer thickness: 0,11 mm Break through time: 480 min Material tested:Dermatril®

Splash contact

Material: Nitrile rubber

Minimum layer thickness: 0,11 mm Break through time: 480 min Material tested:Dermatril®

Body Protection

Impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure

Do not let product enter drains

Section 9 - Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance Form: Solid

Colour: Dark reddish black.

Odour No data available
Odour Threshold No data available
pH No data available

Melting point/freezingpoint 185 °C

Initial boiling point and boiling range
Flash point
Evaporation rate
Flammability (solid, gas)
Upper/lower flammability or
explosive limits
Vapour pressure
No data available
No data available
No data available
No data available

Vapour density 12.9

Relative density
Water solubility
Partition coefficient: noctanol/water
No data available
Insoluble in water
No data available



Page 5

a-NAPHTHOLBENZEIN

Revision: 00 Date: 24.10.2019 MSDS Number: 0229

Auto-ignition temperature

Decomposition temperature

Viscosity

Explosive properties

Oxidizing properties

No data available
No data available
No data available
No data available

9.2 Other safety information

No data available

Section 10 - Stability and Reactivity

10.1 Reactivity

No data available

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

Direct sunlight. Air contact. Moisture.

10.5 Incompatible materials

No data available

10.6 Hazardous decomposition products

Other decomposition products - no data available

Section 11 - Toxicological Information

11.1 Information on toxicological effects

Acute toxicity

No data available

Skin corrosion/irritation

Causes skin irritation

Serious eye damage/eye irritation

Causes serious eye irritation.

Respiratory or skin sensitisation

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is

identified as probable, possible or confirmed human carcinogen by IARC.



a-NAPHTHOLBENZEIN

Revision: 00 Date: 24.10.2019 MSDS Number: 0229

Reproductive toxicity

No data available

Specific target organ toxicity - single exposure

Inhalation - May cause respiratory irritation.

Specific target organ toxicity - repeated exposure

No data available

Aspiration hazard

No data available

Additional Information

RTECS: Not available

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Section 12 - Ecological Information

12.1 Toxicity

No data available

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Other adverse effects

No data available

Section 13 - Disposal Considerations

13.1 Waste treatment methods

Product

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging

Dispose of as unused product.

Section 14 - Transport Information





a-NAPHTHOLBENZEIN

Revision : 00 Date : 24.10.2019 MSDS Number : 0229

14.1 UN number

ADR/RID: - IMDG: - IATA: -

14.2 UN proper shipping name

ADR/RID: Not dangerous goods IMDG: Not dangerous goods IATA: Not dangerous goods

14.3 Transport hazard class(es)

ADR/RID: - IMDG: - IATA: -

14.4 Packaging group

ADR/RID: - IMDG: - IATA: -

14.5 Environmental hazards

ADR/RID: no IMDG Marine pollutant: no IATA: no

14.6 Special precautions for user

Further information
No data available

Section 15 - Regulatory Information

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

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.2 Chemical safety assessment

For this product a chemical safety assessment was not carried out

Section 16 - Additional Information

Full text of H-Statements referred to under sections 2 and 3.

Eye Irrit. 2 Serious eye damage/eye irritation, Category 2

Skin Irrit. 2 Skin corrosion/irritation, Category 2

STOT SE 3 Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation

H315 Causes skin irritation
 H319 Causes serious eye irritation
 H335 May cause respiratory irritation

R36/37/38 Irritating to eyes, respiratory system and skin

Xi Irritant

National Fire Protection Association (U.S.A.):

Health: 2 Flammability: 1 Reactivity: 0

Revision history:

Date	Rev	Description
Oct 24, 2019	00	•

Further information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. PT. Smartlab Indonesia Corporation and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product.