

MATERIAL SAFETY DATA SHEET

Product Name	ANISOLE FOR SYNTHESIS
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1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name : ANISOLE FOR SYNTHESIS

Product code : A0273

Identification of the product: ANISOLE FOR SYNTHESIS

CAS No : 100-66-3

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

againstUse: Industrial. For professional use only.

1.3 Details of the supplier of the safety data sheet

Company identification: CYNOR

National industry, Pipodra GIDC, Surat-394110, Gujarat, India.

Email: cynorlaboratories@gmail.com **Mobile No.:** +91 8799070507

2. Hazards identification -DSD

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Flammable liquids, Category 3 H226 Full text of classification categories and H statements : see section 16

2.2 Label element

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Symbol(s) :

Highly

flammableXi :

Irritation.



R Phrase(s): R 10. Flammable.

R36/38 Irritating to eyes and skin.

S Phrase(s) : S36. Wear suitable protective clothing.

2.3 Other hazards

No additional information available

3. Composition/information on ingredients

Substance / Preparation: ANISOLE FOR SYNTHESIS

CAS No : 100-66-3

Substance.

Contains no other components or impurities which will influence the classification of the product.

4. First aid measures

4.1 Description of first aid measures

First-aid measures after inhalation : Assure fresh air breathing.

If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

First-aid measures after skin contact : Wash with plenty of soap and water. Wash contaminated clothing before reuse. Get medical advice/attention.

First-aid measures after eye contact : Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion : Rinse mouth out with water.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact : Causes skin irritation.

Symptoms/injuries after eye contact : Causes serious eye irritation

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media : Carbon dioxide. Dry powder. Foam. Water spray.

Unsuitable extinguishing media : Do not use a heavy water stream.

5.2 Specific hazards arising from the substance or mixture

Fire hazard : Flammable liquid and vapour.

Explosion hazard : May form flammable/explosive vapour-air mixture.

5.3 Advice for fire-fighters

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

General measures :

Remove ignition sources.

Use special care to avoid static electric charges.

No naked lights. No smoking.

For emergency responders:

Protective equipment: Use personal protective equipment as required.

Emergency procedures: Ventilate area.

For non-emergency personnel:

Emergency procedure: Evacuate unnecessary personnel.

6.2 Environmental precautions

Avoid release to the environment.

6.3 Methods and material for containment and cleaning up

Collect spillage.

On land, sweep or shovel into suitable containers.

6.4 Reference to other sections

No additional information available

7. Handling and storage

7.1 Precautions for safe handling

Additional hazards when processed : Handle empty containers with care because residual vapours are flammable.

Precautions for safe handling : Keep away from sources of ignition - No smoking. Take precautionary measures against static discharge. Use only non-sparking tools. Avoid contact with skin and eyes. Do not breathe vapours.

Hygiene measures : Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Conditions for safe storage, including any incompatibilities

Technical measures : Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions : Keep container tightly closed. Keep in fireproof place.

Incompatible materials : Heat sources.

7.3 Specific end use(s)

No additional information available

8. Exposure controls/personal protection

8.1 Control parameter

No additional information available

8.2 Exposure control

Hand protection : protective gloves

Eye protection : Chemical goggles or safety glasses

Skin and body protection : Wear suitable protective clothing

Respiratory protection : Wear respiratory protection

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state: Liquid.

Colour: Clear Colorless

Odour: sweet anise-like odor

Odour threshold: No data available.

pH value: No data available.

Relative evaporation rate (butylacetate=1): No data available

Melting point [°C]: -37 °C

Freezing point: No data available

Boiling point: 154 °C

Flash point: 51.7 °C

Auto-ignition temperature : 475 °C

Decomposition temperature : No data available

Flammability (solid, gas) : Flammable

Flammable liquid and vapour Vapour pressure : 13 hPa at 20 °C

Relative vapour density at 20 °C : 3.72

Relative density : No data available

Density : 0.994 g/cm³

Relative gas density : 3.73

Solubility : Water:

Insoluble Log Pow : 2.1

Viscosity, kinematic : No data available

Viscosity, dynamic : No data available

Explosive properties : No data available

Oxidising properties : No data available

Explosive limits : No data available

9.2 Other information

No additional information available

10. Stability and reactivity

10.1 Reactivity

No additional information available

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No additional information available

10.4 Conditions to avoid

Open flame. Heat. Sparks

10.5 Incompatible materials

No additional information available

10.6 Hazardous decomposition products

No additional information available

11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity : Not classified

Skin corrosion/irritation : Not classified

Serious eye damage/irritation : Not classified

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : Not classified

12. Ecological information

12.1 Toxicity

No additional information available

12.2 Persistence – degradability

No additional information available

12.3 Bioaccumulative potential

ANISOLE FOR SYNTHESIS (100-66-3)

Log Pow 2.1

12.4 Mobility in soil



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No additional information available

12.5 Results of PBT and vPvB assessment

No additional information available

12.6 Other adverse effects

No additional information available

13. Disposal considerations

13.1 Waste treatment methods

Product/Packaging disposal recommendations : Dispose of contents/container to ... Additional information : Handle empty containers with care because residual vapours are flammable.

14. Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1 UN number

UN-No. (ADR) : 2222

UN-No. (IMDG) : 2222

UN-No.(IATA) : 2222

UN-No.(ADN) : Not regulated

UN-No. (RID) : Not regulated

14.2 UN proper shipping name

Proper Shipping Name (ADR) : ANISOLE

Proper Shipping Name (IMDG) : ANISOLE

Proper Shipping Name (IATA) : ANISOLE

Proper Shipping Name (ADN) : Not regulated

Proper Shipping Name (RID) : Not regulated

Transport document description (ADR) : UN 2222 ANISOLE, 3, III, (D/E)

Transport document description (IMDG) : UN 2222 ANISOLE, 3, III (41°C c.c.)

Transport document description (IATA) : UN 2222 ANISOLE, 3, III

14.3 Transport hazard class(es)

Transport hazard class(es) (ADR) : 3

Danger labels (ADR) : 3 : IMDG

Transport hazard class(es) (IMDG) : 3

Danger labels (IMDG) : 3 :

IATA Transport hazard class(es) (IATA) : 3

Hazard labels (IATA) : 3 : ADN

Transport hazard class(es) (ADN) : Not regulated

RID Transport hazard class(es) (RID) : Not regulated

14.4 Packing group

Packing group (ADR) : III

Packing group (IMDG) : III

Packing group (IATA) : III

Packing group (ADN) : Not regulated

Packing group (RID) : Not regulated

14.5 Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available



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Special precautions for user

- **Overland transport Classification**

code (ADR) : F1 Limited quantities

(ADR) : 5L Excepted quantities

(ADR) : E1

Packing instructions (ADR) : P001, IBC03, LP01, R001

Mixed packing provisions (ADR) : MP19

Portable tank and bulk container instructions (ADR) : T2

Portable tank and bulk container special provisions (ADR) : TP1

Tank code (ADR) : LGBF

Vehicle for tank carriage : FL

Transport category (ADR) : 3

Special provisions for carriage - Packages (ADR) : V12

Special provisions for carriage - Operation (ADR) : S2

Hazard identification number (Kemler No.) : 30

Orange plates : Tunnel restriction code (ADR) : D/E

EAC code : 3Y

- **Transport by sea**

Limited quantities (IMDG) : 5 L

Excepted quantities (IMDG) : E1

Packing instructions (IMDG) : P001, LP01

IBC packing instructions (IMDG) : IBC03

Tank instructions (IMDG) : T2

Tank special provisions (IMDG) : TP1EmS

-No. (Fire) : F-E EmS

-No. (Spillage) : S-D

Stowage category (IMDG) : A

Flash point (IMDG) : 41°C c.c.

MFAG-No : 128

- **Air transport**

PCA Excepted quantities (IATA) : E1

PCA Limited quantities (IATA) : Y344

PCA limited quantity max net quantity (IATA) : 10L

PCA packing instructions (IATA) : 355

PCA max net quantity (IATA) : 60L

CAO packing instructions (IATA) : 366

CAO max net quantity (IATA) : 220L

ERG code (IATA) : 3L

Inland waterway transport

Not regulated

14.6 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

15. Regulatory information

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

15.1.1 EU-Regulations

No REACH Annex XVII restrictions

ACES BUFFER is not on the REACH Candidate List ACES



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BUFFER is not on the REACH Annex XIV List

15.1.2 National regulations

Germany

Annex reference : Water hazard class (WGK) 2, hazardous to water (Classification according to VwVwS, Annex 2; WGK No 21) 12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance) Denmark Class for fire hazard : Class II-1 Store unit : 5 liter Classification remarks : R10 ;
Emergency management guidelines for the storage of flammable liquids must be followed

15.2 Chemical safety assessment

No additional information available

16. Other information

Abbreviations and acronyms : PBT: persistent, bioaccumulative and toxic. vPvB: very persistent and very bioaccumulative

Sources of key data used : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

Further information : None.

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Prepared by: CYNOR

For questions contact: CYNOR

Office: CYNOR

National industry, Pipodra GIDC, Surat-394110, Gujarat, India.

Email: cynorlaboratories@gmail.com Mobile No.: +91 8799070507

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