Ambeed, Inc.

SAFETY DATA SHEET (A991530)

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

1.1

Product identifiers

Product Name: 2,2',3,3',5,5'-Hexamethyl-[1,1'-biphenyl]-4,4'-diol

CAS Number: 19956-76-4

Catalog Numbers: A991530

1.2

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

Identified uses: For laboratory research purposes.Not for drug or household use.

1.3

Details of the supplier of the safety data sheet

Ambeed, Inc.

3205 N WILKE RD, STE 3205-125, Arlington Hts, IL 60004, USA

Tel: 1-352-323-3500 E-mail: sales@ambeed.com

1.4 Emergency telephone number

Emergency phone (USA): 1-352-323-3500

Emergency phone (Canada): 1-800-535-5053

2. HAZARDS IDENTIFICATION

2.1

Classification of the substance or mixture

GHS Classification in accordance with Hazardous Products Regulations (HPR) (SOR/2015-17)

H315

Skin corrosion/irritation (Category 2)

H319

Serious eye damage/eye irritation(Category 2A)

No Resource File

2.2 GHS Label elements, including precautionary statements

Pictogra

Signal word: Warning

Hazard statement(s)

H315

Causes skin irritation

H319

Causes serious eye irritation

Precautionary statement(s)

P264

Wash hands thoroughly after handling.

P280

Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352

IF ON SKIN: Wash with plenty of soap and water.

P305+P351+P338

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P332+P313

If skin irritation occurs: Get medical advice/attention.

P337+P313

If eye irritation persists: Get medical advice/attention.

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P362+P364

Take off contaminated clothing and wash it before reuse.

2.3 Other hazards

Additional precautionary phrases are located throughout the safety data sheet.

3. COMPOSITION, INFORMATION ON INGREDIENTS

3.1 Molecular Formula: C18H22O2

Molecular Weight: 270.3661

Component Concentration

2,2',3,3',5,5'-Hexamethyl-[1,1'-biphenyl]-4,4'-diol

CAS Number 19956-76-4 -

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.Move out of dangerous area.

If inhaled

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

In case of skin contact

Take off contaminated clothing and shoes immediately. 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. Continue rinsing eyes

during transport to hospital.

If swallowed

Do NOT induce vomiting. 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

5. FIRE FIGHTING MEASURES

5.1

Extinguishing media

Suitable extinguishing media: alcohol-resistant foam, dry chemical or carbon dioxide

Unsuitable extinguishing media: no data

5.2 Special hazards arising from the substance or mixture

In combustion toxic fumes may form.

5.3 Advice for firefighters

Wear self-contained breathing apparatus.

Wear protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

6.1

Personal precautions, protective equipment and emergency procedures

Wear respiratory protection. Avoid dust formation. Avoid breathing vapours, mist or gas.

Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

Do not attempt to take action without suitable protective clothing.

For personal protection see section 8.

6.2

Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains or river.

Alert the neighbourhood to the presence of fumes or gas.

6.3 Methods and materials for containment and cleaning up

Mix with sand or vermiculite. Sweep up and shovel. Transfer to a closable, labelled salvage container for

disposal by an appropriate method.

6.4

Reference to other sections

For disposal see section 13.

7. HANDLING AND STORAGE

7.1

Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Wash hands thoroughly after handling.

Ensure there is sufficient ventilation of the area.

Normal measures for preventive fire protection. For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated area. Containers which are opened must be carefully

resealed and kept upright to prevent leakage.Sealed in dry,Room Temperature

7.3

Specific end use(s)

The end use(s) have not been fully determined. The substance is supplied for Research and Development

purposes by professionals only.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

8.1 Control parameters

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

8.2

Exposure controls

Appropriate 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).

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.
Body Protection
Complete suit protecting against chemicals, The type of protective equipment must be selected according to
the concentration and amount of the dangerous substance at the specific workplace.
Respiratory protection
Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type
N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is
the sole means of protection, use a full-face supplied air respirator. 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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Solid

Boiling Point No data available

Melting Point No data available

Odour No data available

Odour Threshold No data available

pH No data available

Flash point No data available

Evapouration rate No data available

Vapour pressure No data available

Vapor Density No data available

Relative density No data available

Solubility in water No data available

Auto-ignition temperature No data available

Decomposition temperature No data available

Viscosity No Data No data available

Explosive properties No data available

Oxidizing properties No data available

10. STABILITY AND REACTIVITY

10.1

Reactivity

No data available

10.2

Chemical stability

Stable under recommended storage conditions.

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10.3

Possibility of hazardous reactions

No data available

10.4

Conditions to avoid

No data available

10.5

Incompatible materials

No data available

10.6

Hazardous decomposition products

Carbon monoxide, carbon dioxide.

11. TOXICOLOGICAL INFORMATION

11.1

Information on toxicological effects

Acute Toxicity No data available

Skin corrosion/irritation No data available

Serious eye Damage/irritation No data available

Respiratory or skin sensitisation No data available

Germ Cell mutagenicity No data available

Carcinogenicity No data available

Reproductive toxicity No data available

STOT-single exposure No data available

STOT-repeated exposure No data available

Aspiration hazard No data available

11.2 Additional

To the best of our knowledge the acute and chronic toxicity of this substance is not fully known.

No classification data on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA

or ACGIH

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

No data available

12.6 Other adverse effects

No data available

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Disposal Operations

Consult state, local or national regulations for proper disposal. Hand over to authorised disposal company as

hazardous waste.

Disposal of Packaging

Disposal must be made according to official regulations.

14. TRANSPORT INFORMATION

DOT (US)

Classed non-hazardous for shipping.

IMDG

Classed non-hazardous for shipping.

IATA

Classed non-hazardous for shipping.

15. REGULATORY INFORMATION

Safety, health and environmental and national regulations:

Product is not subject to any additional regulations or provisions

California Proposition 65

Not listed on California’s listing of known or potential carcinogens.

Safety Assessment

No Chemical Safety Assessment

16. OTHER INFORMATION

The reference company name of written contents

Company: Ambeed, Inc.

Tel: 1-352-323-3500 Fax: 1-352-323-3500 E-mail: sales@ambeed.com

Address: 3205 N WILKE RD, STE 3205-125, Arlington Hts, IL 60004, USA

This SDS was prepared sincerely on the basis of the information we could obtained, however, any warranty shall not

be given regarding the data contained and the assessment of hazards and toxicity. Prior to use, please investigate not

only the hazards and toxicity information but also the laws and regulations of the organization, area and country where

the products are to be used, which shall be given the first priority.products are supposed to be used promptly after

purchase in consideration of safety. Some new information or amendments may be added afterwards. If the products

are to be used far behind the expected time of use or you have any questions, please feel free to contact us. The
stated cautions are for normal handling only. In case of special handling, sufficient care should be taken, in addition to
the safety measures suitable for the situation. All chemical products should be treated with the recognition of "having
unknown hazards and toxicity", which differ greatly depending on the conditions and handling when in use and/or the
conditions and duration of storage. The products must be handled only by those who are familiar with specialized
knowledge and have experience or under the guidance of those specialists throughout use from opening to storage
and disposal. Safe usage conditions shall be set up on each user's own responsibility.

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