

MATERIAL SAFETY DATA SHEET

Diethylamino hydroxybenzoyl hexyl benzoate

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Name : Diethylamino hydroxybenzoyl hexyl benzoate

CAS-No. : 302776-68-7

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

Identified uses : Laboratory chemicals, Synthesis of substances

1.3 Details of the Supplier of the safety data sheet

COCREATE GLOBAL TECHNOLOGIES PRIVATE LIMITED

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SECTION 2: Hazards Identification

2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Chronic aquatic toxicity (Category 4), H413

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

2.2 GHS Label elements, including precautionary statements

Pictogram none

Signal word none

Hazard statement(s)

H413 May cause long lasting harmful effects to aquatic life.

Precautionary statement(s)

P273 Avoid release to the environment.

P501 Dispose of contents/ container to an approved waste disposal plant.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS - none

SECTION 3: Composition/information on ingredients

Substance

Molecular weight: 397.5 g/mol

CAS-No. : 302776-68-7

Hazardous Components

Component	Classification	Concentration (% w/w)
Hexyl 2-[4-(diethylamino)-2-hydroxybenzoyl]benzoate	Aquatic Chronic 4; H413	90 - 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. Consult a physician.

In case of eye contact

Flush eyes with water as a precaution.

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: Fire Fighting Measures

5.1 Suitable Extinguishing media

Water, Foam, carbon dioxide (CO₂), dry chemical, water spray.

5.2 Special hazards arising from the substance or mixture

No data available

5.3 Advice for fire fighters

Wear self-contained breathing apparatus for fire fighting 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 breathing vapours, mist or gas. Ensure adequate ventilation. 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. Discharge into the environment must be avoided.

6.3 Method and material for containment and cleaning up

Soak up with inert absorbent material and dispose of as hazardous waste. 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

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 place.

Store at room temperature.

Storage class (TRGS 510): 12: Non Combustible Liquids

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 Components with workplace control parameters

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

Hazardous components without workplace control parameters

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

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

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

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) 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

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

Discharge into the environment must be avoided.

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**

a)	Appearance Form:	liquid
b)	Odour	characteristic
c)	Odour Threshold	No data available
d)	pH	6 - 7
e)	Melting point/ freezing point	No data available
f)	Initial boiling point and boiling range	No data available
g)	Flash point	No data available
h)	Evaporation rate	No data available
i)	Flammability (solid, gas)	No data available
j)	Upper/lower flammability or explosive limits	No data available
k)	Vapour pressure	No data available
l)	Vapour density	No data available
m)	Relative density	1.2 g/cm ³ at 20 °C (68 °F)
n)	Water solubility	0.00001 g/l at 20 °C (68 °F)
o)	Partition coefficient: n-octanol/water	log Pow: 6.2 at 24 °C (75 °F)
p)	Auto-ignition temperature	No data available
q)	Decomposition temperature	No data available
r)	Viscosity	No data available
s)	Explosive properties	No data available
t)	Oxidizing properties	No data available

9.2 Other 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

Sun light

10.5 Incompatible materials

Strong oxidizing agents

10.6 Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Carbon oxides, Nitrogen oxides (NOx) In the event of fire: see section 5

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

No data available

LD50 Oral - Rat - female - > 2,000 mg/kg

Inhalation: No data available

Inhalation: No data available

Dermal: No data available

Dermal: No data available

No data available

No data available

Skin corrosion/irritation

No data available

Skin - Rabbit

Result: No skin irritation

(OECD Test Guideline 404)

Serious eye damage/eye irritation

No data available

Eyes - Rabbit

Result: No eye irritation

(OECD Test Guideline 405)

Respiratory or skin sensitisation

No data available

- Guinea pig

Does not cause skin sensitisation.

(OECD Test Guideline 406)

Germ cell mutagenicity

No data available

Tests on bacterial or mammalian cell cultures did not show mutagenic effects.

Animal testing did not show any mutagenic effects.

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.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

Reproductive toxicity

No data available

Did not show teratogenic effects in animal experiments.

No data available

No evidence of adverse effects on sexual function and fertility, or on development, based on animal experiments.

Specific target organ toxicity - single exposure

No data available

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.

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SECTION 12: Ecological information

12.1 Toxicity

No data available

Toxicity to fish

static test LC50 - Danio rerio (zebra fish) - > 100 mg/l - 96 h
(OECD Test Guideline 203)

Toxicity to daphnia and
other aquatic
invertebrates

static test EC50 - Daphnia (water flea) - > 100 mg/l - 48 h
(OECD Test Guideline 202)

Toxicity to algae

static test EC50 - Algae - > 100 mg/l - 72 h

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 is not identified as a PBT or as a vPvB substance.

12.6 Other adverse effects

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging

Dispose of as unused product.

SECTION 14: Transport Information**DOT (US)**

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

SECTION 15: Regulatory Information**Safety, health and environmental regulations/legislation specific for the substance or mixture**

The factories act, 1948

The Motor Vehicles Acts, 1988

Labelling in accordance with Indian regulations: This product does not require a hazard label in accordance with Indian Regulations.

SECTION 16: Other information**Full text of H-Statements referred to under sections 2 and 3.**

Aquatic Chronic Chronic aquatic toxicity

H413 May cause long lasting harmful effects to aquatic life.

Further Information

Other information : Observe nation and local legal requirements

Full text of other abbreviations

AICS – Australian inventory of chemical substances; ANTT – National Agency for Transport by Land of Brazil; ASTM – American society for the Testing of Materials; bw – Body weight, CMR – Carcinogen, Mutagen or Reproductive Toxicant; DSL – Domestic Substances list (Canada); ERG – Emergency Response Guide; ECx – Concentration associated with x% response; ELx – Loading rate associated with x% response; EmS – emergency Schedule, ENCS – Existing and New Chemical substance (Japan); ErCx – Concentration associated with x%response; ELx -GHS – Globally Harmonized System, GLP – Good Laboratory Practice; IARC – International Agency for Research on Cancer; IATA – International Air Transport Association; IBC – International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 – Half maximal inhibitory concentration; ICAO – International Civil Aviation Organization; IECSC – Inventory of Existing Chemical Substances in China; IMDG – International Maritime Dangerous Goods; IMO – International Maritime Organization; ISHL – Industrial Safety and Health Law (Japan); ISO – International Organisation for Standardization; LC50 – Lethal Concentration to 50% of a test population; LD50 – Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL – International Convention for the Prevention of Pollution from Ships; n.o.s. – Not Otherwise Specified; REACH – Regulation (EC) No. 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorization and Restriction of

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Chemicals; SADT – Self-Accelerating Decomposition Temperature; SDS – Safety Data Sheet; TCSI – Taiwan Chemical Substance Inventory; TDG – Transportation of Dangerous Goods; TSCA – Toxic Substance Control Act (United States); UN – United Nations; UNRTDG – United Nations recommendations on the Transport of Dangerous Goods; ; WHMIS – Workplace Hazardous Materials Information System; CAS – Chemicals Abstract Service; KECI – Korea Existing Chemicals Inventory; PICCS – Philippines Inventory of Chemicals and Chemical substances; Q(SAR) – Quantitative) Structure Activity Relationship; EN – European norm; DIN – Deutsche Industrie Norm; PBT – Persistent Bioaccumulative and Toxic; EC- Effect concentration; vPvB – Very Persistent and very Bio-accumulative.

Further Information

Other information : Observe national and local legal requirements.

(NA – Not Applicable, ND – Not Determined).