

Safety Data Sheet

according to UK REACH Regulation

16-Iodohexadecanoic acid

Revision date: 20.06.2022

Product code: 7600

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SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

16-Iodohexadecanoic acid

Further trade names

Hexadecanoic acid, 16-iodo-

Synonyms:

IHDA

CAS No:

2536-36-9

1.2. Relevant identified uses of the substance or mixture and uses advised against**Use of the substance/mixture**Reference standard for 16-[¹²⁵I]Iodohexadecanoic acidPrecursor for 16-[¹²⁵I]Iodohexadecanoic acid**1.3. Details of the supplier of the safety data sheet**

Company name:

ABX advanced biochemical compounds
Biomedizinische Forschungsreagenzien GmbH

Street:

Heinrich-Gläser-Straße 10-14

Place:

01454 Radeberg

Telephone:

+49 3528 4041 60

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info@abx.de

Contact person:

Dr. Christoph Meyer

Telephone: +49 3528 4041 8732

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http://www.abx.de

1.4. Emergency telephone number:

+49 3528 4041 60

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****GB CLP Regulation**

This substance is not classified as hazardous in accordance with GB CLP Regulation.

2.2. Label elements**GB CLP Regulation****Precautionary statements**

P270 Do not eat, drink or smoke when using this product.

P403+P235 Store in a well-ventilated place. Keep cool.

P270 Do not eat, drink or smoke when using this product.

2.3. Other hazards

Warning - substance not yet tested completely.

SECTION 3: Composition/information on ingredients**3.1. Substances****Chemical characterization**

Hexadecanoic acid, 16-iodo-

Sum formula:

C₁₆H₃₁IO₂

Molecular weight:

382.32

Hazardous components

none (according to UK REACH Regulation)

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SECTION 4: First aid measures**4.1. Description of first aid measures****After inhalation**

Provide fresh air. Call a physician immediately.

After contact with skin

After contact with skin, wash immediately with: Water.

After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water. Consult an ophthalmologist.

After ingestion

Do NOT induce vomiting. Never give anything by mouth to an unconscious person or a person with cramps.

Rinse mouth thoroughly with water. Call a physician in any case! Medical examination necessary even merely on suspicion of intoxication.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

Atomized water. Carbon dioxide (CO₂). Dry extinguishing powder. alcohol resistant foam.

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

Additional information

Suppress gases/vapours/mists with water spray jet. Contaminated fire-fighting water must be collected separately. Do not allow to enter into surface water or drains.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****General advice**

Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Wear personal protection equipment.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up**Other information**

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.

Advice on general occupational hygiene

Remove contaminated, saturated clothing immediately. Protect skin by using skin protective cream. After work, wash hands and face. When using do not eat or drink.

7.2. Conditions for safe storage, including any incompatibilities

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Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place.

Further information on storage conditions

Storage

of °C: 2

up to °C: 8

Protect against: Light.

Store under (Gas): argon. Nitrogen.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Additional advice on limit values**

To date, no national critical limit values exist.

8.2. Exposure controls**Individual protection measures, such as personal protective equipment****Eye/face protection**

Tightly sealed safety glasses.

Hand protection

Single-use gloves. (NBR (Nitrile rubber).)

Skin protection

Lab apron. Chemical resistant safety shoes. Immediately remove any wetted clothing, shoes or stockings.

Respiratory protection

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.

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

Physical state:

solid

Colour:

colourless

Changes in the physical state

Water solubility:

The study does not need to be conducted
because the substance is known to be
insoluble in water.**Solubility in other solvents**

Chloroform. dimethylsulphoxide (DMSO). Dichloromethane:

SECTION 10: Stability and reactivity**10.4. Conditions to avoid**

Light.

10.6. Hazardous decomposition products

Carbon dioxide. Carbon monoxide.

SECTION 11: Toxicological information**11.1. Information on hazard classes as defined in GB CLP Regulation****Further information**

Toxicological data are not available.

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SECTION 12: Ecological information**12.5. Results of PBT and vPvB assessment**

This substance does not meet the PBT/vPvB criteria of UK REACH.

12.6. Endocrine disrupting properties

This substance does not have endocrine disrupting properties with respect to non-target organisms.

Further information

Do not allow to enter into surface water or drains.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****List of Wastes Code - residues/unused products**

160508 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; discarded organic chemicals consisting of or containing hazardous substances; hazardous waste

List of Wastes Code - used product

160508 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; discarded organic chemicals consisting of or containing hazardous substances; hazardous waste

List of Wastes Code - contaminated packaging

150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by hazardous substances; hazardous waste

Contaminated packaging

Non-contaminated packages may be recycled.

SECTION 14: Transport information**Other applicable information**

Not a hazardous material with respect to transportation regulations.

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulatory information**

Water hazard class (D): 3 - highly hazardous to water

SECTION 16: Other information