

# n-HEXANE 99% FOR HPLC & UV SPECTROSCOPY

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878  
Reference number: 00164  
Issue date: 1/19/2024 Revision date: 1/19/2026 Supersedes version of: 1/15/2019 Version: 1.0



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

### 1.1. Product identifier

|                    |                                                                                                                                                                                                                                                                                                                       |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product form       | : Substance                                                                                                                                                                                                                                                                                                           |
| Trade name         | : n-HEXANE 99% FOR HPLC & UV SPECTROSCOPY                                                                                                                                                                                                                                                                             |
| EC Index-No.       | : 601-037-00-0                                                                                                                                                                                                                                                                                                        |
| EC-No.             | : 203-777-6                                                                                                                                                                                                                                                                                                           |
| CAS-No.            | : 110-54-3                                                                                                                                                                                                                                                                                                            |
| Product code       | : B-1350A                                                                                                                                                                                                                                                                                                             |
| Type of product    | : Hydrocarbons, aliphatic                                                                                                                                                                                                                                                                                             |
| Formula            | : C <sub>6</sub> H <sub>14</sub>                                                                                                                                                                                                                                                                                      |
| Chemical structure | :<br>$\begin{array}{ccccccc} & \text{H} & \text{H} & \text{H} & \text{H} & \text{H} & \text{H} \\ &   &   &   &   &   &   \\ \text{H} & - \text{C} & - \text{C} & - \text{C} & - \text{C} & - \text{C} & - \text{H} \\ &   &   &   &   &   & \\ & \text{H} & \text{H} & \text{H} & \text{H} & \text{H} & \end{array}$ |
| Synonyms           | : 1-Hexane, Sextane, Hexacarbane                                                                                                                                                                                                                                                                                      |

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

#### 1.2.1. Relevant identified uses

|                                  |                                                                 |
|----------------------------------|-----------------------------------------------------------------|
| Industrial/Professional use spec | : Industrial<br>For professional use only                       |
| Use of the substance/mixture     | : Laboratory chemicals<br>Manufacture of substances<br>Solvents |

#### 1.2.2. Uses advised against

No additional information available

### 1.3. Details of the supplier of the safety data sheet

Bio-Chem Chemicals  
5455, Nicholson Road Science Market,  
Ambala Cantt. 133001 Haryana (India)  
+91-82952 41953  
[info@biofinechemical.com](mailto:info@biofinechemical.com) - [www.biofinechemical.com](http://www.biofinechemical.com)

### 1.4. Emergency telephone number

Emergency number : +91 99921 51495 (10.00am - 06.30pm) (Office Hours)

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

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

|                                                                        |       |
|------------------------------------------------------------------------|-------|
| Flammable liquids, Category 2                                          | H225  |
| Skin corrosion/irritation, Category 2                                  | H315  |
| Reproductive toxicity, Category 2                                      | H361f |
| Specific target organ toxicity – Single exposure, Category 3, Narcosis | H336  |
| Specific target organ toxicity – Repeated exposure, Category 2         | H373  |
| Aspiration hazard, Category 1                                          | H304  |
| Hazardous to the aquatic environment – Chronic Hazard, Category 2      | H411  |

Full text of H- and EUH-statements: see section 16

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### Adverse physicochemical, human health and environmental effects

Highly flammable liquid and vapour. Suspected of damaging fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure. May cause drowsiness or dizziness. Causes skin irritation. May be fatal if swallowed and enters airways. Toxic to aquatic life with long lasting effects.

### 2.2. Label elements

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

Hazard pictograms (CLP)



Signal word (CLP)

: Danger

Hazard statements (CLP)

: H225 - Highly flammable liquid and vapour.  
H304 - May be fatal if swallowed and enters airways.  
H315 - Causes skin irritation.  
H336 - May cause drowsiness or dizziness.  
H361f - Suspected of damaging fertility.  
H373 - May cause damage to organs through prolonged or repeated exposure.  
H411 - Toxic to aquatic life with long lasting effects.  
Precautionary statements (CLP) : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.  
P273 - Avoid release to the environment.  
P280 - Wear protective clothing, eye protection, face protection, protective gloves.  
P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor.  
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water .  
P331 - Do NOT induce vomiting.

### 2.3. Other hazards

Contains no PBT and/or vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Substance type

: Mono-constituent

| Name         | Product identifier                                                   | %   |
|--------------|----------------------------------------------------------------------|-----|
| n-HEXANE 99% | CAS-No.: 110-54-3<br>EC-No.: 203-777-6<br>EC Index-No.: 601-037-00-0 | 100 |

### 3.2. Mixtures

Not applicable

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general

: Call a physician immediately.

First-aid measures after inhalation

: Remove person to fresh air and keep comfortable for breathing. Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.

First-aid measures after skin contact

: Rinse skin with water/shower. Take off immediately all contaminated clothing. Wash with plenty of water/.... Wash contaminated clothing before reuse. Get medical advice/attention. If skin irritation occurs: Get medical advice/attention.

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|                                      |                                                                                                                                                                |
|--------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| First-aid measures after eye contact | : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention. |
| First-aid measures after ingestion   | : Immediately call a POISON CENTER/doctor. Do not induce vomiting. Call a physician immediately.                                                               |

### 4.2. Most important symptoms and effects, both acute and delayed

|                                     |                                                                                                   |
|-------------------------------------|---------------------------------------------------------------------------------------------------|
| Symptoms/effects                    | : Suspected of damaging fertility. May cause damage to organs. May cause drowsiness or dizziness. |
| Symptoms/effects after inhalation   | : May cause respiratory irritation. May cause drowsiness or dizziness.                            |
| Symptoms/effects after skin contact | : Causes skin irritation. Irritation.                                                             |
| Symptoms/effects after eye contact  | : None under normal conditions.                                                                   |
| Symptoms/effects after ingestion    | : May be fatal if swallowed and enters airways. Risk of lung oedema.                              |

### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

|                                |                                                  |
|--------------------------------|--------------------------------------------------|
| Suitable extinguishing media   | : Water spray. Foam. Dry powder. Carbon dioxide. |
| Unsuitable extinguishing media | : Do not use a heavy water stream.               |

### 5.2. Special hazards arising from the substance or mixture

|                                                  |                                                    |
|--------------------------------------------------|----------------------------------------------------|
| Fire hazard                                      | : Highly flammable liquid and vapour.              |
| Explosion hazard                                 | : May form flammable/explosive vapour-air mixture. |
| Hazardous decomposition products in case of fire | : Toxic fumes may be released.                     |

### 5.3. Advice for firefighters

|                                |                                                                                                                                                       |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Firefighting instructions      | : Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection. |
| Protection during firefighting | : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.              |

## SECTION 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 open flames. No smoking. Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material damage. |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

#### 6.1.1. For non-emergency personnel

|                      |                                                                                                                                                                                          |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protective equipment | : Wear recommended personal protective equipment.                                                                                                                                        |
| Emergency procedures | : Ventilate spillage area. Evacuate unnecessary personnel. No open flames, no sparks, and no smoking. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes. |

#### 6.1.2. For emergency responders

|                      |                                                                                                                                                                                                                                                              |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protective equipment | : Do not attempt to take action without suitable protective equipment. Avoid breathing dust/fume/gas/mist/vapours/spray. Use personal protective equipment as required. For further information refer to section 8: "Exposure controls/personal protection". |
| Emergency procedures | : Ventilate area. Evacuate unnecessary personnel. Stop leak if safe to do so.                                                                                                                                                                                |

### 6.2. Environmental precautions

Avoid release to the environment. Toxic to aquatic life with long lasting effects.

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### 6.3. Methods and material for containment and cleaning up

- |                         |                                                                                                                                                                                                                                                                              |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| For containment         | : Collect spillage. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak without risks if possible.                                                                                                                  |
| Methods for cleaning up | : Take up liquid spill into absorbent material. Collect spillage. On land, sweep or shovel into suitable containers. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Notify authorities if product enters sewers or public waters. |
| Other information       | : Dispose of materials or solid residues at an authorized site.                                                                                                                                                                                                              |

### 6.4. Reference to other sections

For further information refer to section 13.

## SECTION 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     | : No open flames. No smoking. Use only non-sparking tools. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use only outdoors or in a well-ventilated area. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Take precautionary measures against static discharge. Flammable vapours may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes. |
| Hygiene measures                  | : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.                                                                                                                                                                                                                                                                                                                                                                        |

### 7.2. 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. Use explosion-proof electrical/ventilating/lighting equipment. |
| Storage conditions     | : Keep in fireproof place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up.                                                                     |
| Incompatible materials | : Heat sources.                                                                                                                                                                             |
| Packaging materials    | : Store always product in container of same material as original container.                                                                                                                 |

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1 National occupational exposure and biological limit values

No additional information available

#### 8.1.2. Recommended monitoring procedures

No additional information available

#### 8.1.3. Air contaminants formed

No additional information available

#### 8.1.4. DNEL and PNEC

No additional information available

#### 8.1.5. Control banding

No additional information available

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### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

**Appropriate engineering controls:**

Ensure good ventilation of the work station.

#### 8.2.2. Personal protection equipment

**Personal protective equipment:**

Wear recommended personal protective equipment.

**Personal protective equipment symbol(s):**



##### 8.2.2.1. Eye and face protection

**Eye protection:**

Chemical goggles or safety glasses. Safety glasses

##### 8.2.2.2. Skin protection

**Skin and body protection:**

Wear a mask

**Hand protection:**

Protective gloves

##### 8.2.2.3. Respiratory protection

**Respiratory protection:**

Wear appropriate mask. [In case of inadequate ventilation] wear respiratory protection.

##### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

**Environmental exposure controls:**

Avoid release to the environment.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|                           |                                                    |
|---------------------------|----------------------------------------------------|
| Physical state            | : Liquid                                           |
| Colour                    | : Colourless.                                      |
| Appearance                | : Clear liquid.                                    |
| Molecular mass            | : 86.18 g/mol                                      |
| Odour                     | : gasoline-like.                                   |
| Odour threshold           | : Not available                                    |
| Melting point             | : Not applicable                                   |
| Freezing point            | : -96 – -94 °C                                     |
| Boiling point             | : 68 – 70 °C                                       |
| Flammability              | : Flammable<br>Highly flammable liquid and vapour. |
| Lower explosion limit     | : 1.1 vol %                                        |
| Upper explosion limit     | : 7.5 vol %                                        |
| Flash point               | : -22 °C                                           |
| Auto-ignition temperature | : 225 °C at 1.013 hPa                              |
| Decomposition temperature | : Not available                                    |
| pH                        | : ≈ 7                                              |
| Viscosity, kinematic      | : 0.47 mm²/s                                       |
| Viscosity, dynamic        | : 0.31 mPa·s at 20° C                              |

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|                                                 |                              |
|-------------------------------------------------|------------------------------|
| Solubility                                      | : Water: Immiscible in water |
| Partition coefficient n-octanol/water (Log Kow) | : Not available              |
| Vapour pressure                                 | : 151 mm Hg at 25° C         |
| Vapour pressure at 50°C                         | : Not available              |
| Density                                         | : 0.66 g/cm³ at 20 °C        |
| Relative density                                | : Not available              |
| Relative vapour density at 20°C                 | : 2.97 (Air = 1)             |
| Particle characteristics                        | : Not applicable             |

### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

No additional information available

#### 9.2.2. Other safety characteristics

Refractive index : 1.374 – 1.376 (20 °C, 589 nm)

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Highly flammable liquid and vapour.

### 10.2. Chemical stability

Highly flammable liquid and vapour. May form flammable/explosive vapour-air mixture.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

Open flame. Direct sunlight. Heat. Sparks. Avoid contact with hot surfaces. No flames, no sparks. Eliminate all sources of ignition.

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

May release flammable gases.

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

|                                   |                                                                      |
|-----------------------------------|----------------------------------------------------------------------|
| Acute toxicity (oral)             | : Not classified                                                     |
| Acute toxicity (dermal)           | : Not classified                                                     |
| Acute toxicity (inhalation)       | : Not classified                                                     |
| Skin corrosion/irritation         | : Causes skin irritation.<br>pH: ≈ 7                                 |
| Serious eye damage/irritation     | : Not classified<br>pH: ≈ 7                                          |
| Respiratory or skin sensitisation | : Not classified                                                     |
| Germ cell mutagenicity            | : Not classified                                                     |
| Carcinogenicity                   | : Not classified                                                     |
| Reproductive toxicity             | : Suspected of damaging fertility.                                   |
| STOT-single exposure              | : May cause drowsiness or dizziness.                                 |
| STOT-repeated exposure            | : May cause damage to organs through prolonged or repeated exposure. |
| Aspiration hazard                 | : May be fatal if swallowed and enters airways.                      |

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|----------------------------------------------------|------------|
| Viscosity, kinematic                               | 0.47 mm²/s |

### 11.2. Information on other hazards

No additional information available

## SECTION 12: Ecological information

### 12.1. Toxicity

|                                                           |                                                    |
|-----------------------------------------------------------|----------------------------------------------------|
| Ecology - general                                         | : Toxic to aquatic life with long lasting effects. |
| Ecology - water                                           | : Toxic to aquatic life with long lasting effects. |
| Hazardous to the aquatic environment, short-term (acute)  | : Not classified                                   |
| Hazardous to the aquatic environment, long-term (chronic) | : Toxic to aquatic life with long lasting effects. |

### 12.2. Persistence and degradability

| n-HEXANE 99% FOR HPLC & UV SPECTROSCOPY (110-54-3) |                    |
|----------------------------------------------------|--------------------|
| Persistence and degradability                      | Rapidly degradable |

### 12.3. Bioaccumulative potential

No additional information available

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Endocrine disrupting properties

No additional information available

### 12.7. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

|                                            |                                                                                                                                                                                                                        |
|--------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Regional waste regulation                  | : Disposal must be done according to official regulations.                                                                                                                                                             |
| Waste treatment methods                    | : Dispose of contents/container in accordance with licensed collector's sorting instructions.                                                                                                                          |
| Sewage disposal recommendations            | : Disposal must be done according to official regulations.                                                                                                                                                             |
| Product/Packaging disposal recommendations | : Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. Disposal must be done according to official regulations. |
| Additional information                     | : Handle empty containers with care because residual vapours are flammable. Flammable vapours may accumulate in the container. Do not re-use empty containers.                                                         |
| Ecological information                     | : Hazardous waste due to toxicity.                                                                                                                                                                                     |

## SECTION 14: Transport information

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

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### 14.1. UN number or ID number

|               |           |
|---------------|-----------|
| UN-No. (ADR)  | : UN 1208 |
| UN-No. (IMDG) | : UN 1208 |
| UN-No. (IATA) | : UN 1208 |
| UN-No. (ADN)  | : UN 1208 |
| UN-No. (RID)  | : UN 1208 |

### 14.2. UN proper shipping name

|                                       |                                                                      |
|---------------------------------------|----------------------------------------------------------------------|
| Proper Shipping Name (ADR)            | : HEXANES                                                            |
| Proper Shipping Name (IMDG)           | : HEXANES                                                            |
| Proper Shipping Name (IATA)           | : Hexanes                                                            |
| Proper Shipping Name (ADN)            | : HEXANES                                                            |
| Proper Shipping Name (RID)            | : HEXANES                                                            |
| Transport document description (ADR)  | : UN 1208 HEXANES, 3, II, (D/E)                                      |
| Transport document description (IMDG) | : UN 1208 HEXANES, 3, II, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS |
| Transport document description (IATA) | : UN 1208 Hexanes, 3, II, ENVIRONMENTALLY HAZARDOUS                  |
| Transport document description (ADN)  | : UN 1208 HEXANES, 3, II, ENVIRONMENTALLY HAZARDOUS                  |
| Transport document description (RID)  | : UN 1208 HEXANES, 3, II, ENVIRONMENTALLY HAZARDOUS                  |

### 14.3. Transport hazard class(es)

#### ADR

|                                  |     |
|----------------------------------|-----|
| 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 |
| Danger labels (IATA)              | : 3 |
|                                   | :   |



#### ADN

|                                  |     |
|----------------------------------|-----|
| Transport hazard class(es) (ADN) | : 3 |
| Danger labels (ADN)              | : 3 |
|                                  | :   |



#### RID

|                                  |     |
|----------------------------------|-----|
| Transport hazard class(es) (RID) | : 3 |
| Danger labels (RID)              | : 3 |

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### 14.4. Packing group

|                      |      |
|----------------------|------|
| Packing group (ADR)  | : II |
| Packing group (IMDG) | : II |
| Packing group (IATA) | : II |
| Packing group (ADN)  | : II |
| Packing group (RID)  | : II |

### 14.5. Environmental hazards

|                               |                                          |
|-------------------------------|------------------------------------------|
| Dangerous for the environment | : Yes                                    |
| Marine pollutant              | : Yes                                    |
| Other information             | : No supplementary information available |

### 14.6. Special precautions for user

#### Overland transport

|                                                           |                     |
|-----------------------------------------------------------|---------------------|
| Classification code (ADR)                                 | : F1                |
| Limited quantities (ADR)                                  | : 1I                |
| Excepted quantities (ADR)                                 | : E2                |
| Packing instructions (ADR)                                | : P001, IBC02, R001 |
| Mixed packing provisions (ADR)                            | : MP19              |
| Portable tank and bulk container instructions (ADR)       | : T4                |
| Portable tank and bulk container special provisions (ADR) | : TP1               |
| Tank code (ADR)                                           | : LGBF              |
| Vehicle for tank carriage                                 | : FL                |
| Transport category (ADR)                                  | : 2                 |
| Special provisions for carriage - Operation (ADR)         | : S2, S20           |
| Hazard identification number (Kemler No.)                 | : 33                |
| Orange plates                                             | :                   |



|                               |       |
|-------------------------------|-------|
| Tunnel restriction code (ADR) | : D/E |
| EAC code                      | : 3YE |

#### Transport by sea

|                                    |                                                                                                                                                                                                                                                                           |
|------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Limited quantities (IMDG)          | : 1 L                                                                                                                                                                                                                                                                     |
| Excepted quantities (IMDG)         | : E2                                                                                                                                                                                                                                                                      |
| Packing instructions (IMDG)        | : P001                                                                                                                                                                                                                                                                    |
| IBC packing instructions (IMDG)    | : IBC02                                                                                                                                                                                                                                                                   |
| Tank instructions (IMDG)           | : T4                                                                                                                                                                                                                                                                      |
| Tank special provisions (IMDG)     | : TP2                                                                                                                                                                                                                                                                     |
| EmS-No. (Fire)                     | : F-E                                                                                                                                                                                                                                                                     |
| EmS-No. (Spillage)                 | : S-D                                                                                                                                                                                                                                                                     |
| Stowage category (IMDG)            | : E                                                                                                                                                                                                                                                                       |
| Properties and observations (IMDG) | : Colourless, volatile liquids with a faint odour. Explosive limits: 1.1% to 7.5% n-HEXANE: flashpoint -22°C c.c. boiling point 69°C. NEOHEXANE: flashpoint -48°C c.c. boiling point 50°C. Immiscible with water. Slightly irritating to skin, eyes and mucous membranes. |
| MFAG-No                            | : 128                                                                                                                                                                                                                                                                     |

#### Air transport

|                                              |        |
|----------------------------------------------|--------|
| PCA Excepted quantities (IATA)               | : E2   |
| PCA Limited quantities (IATA)                | : Y341 |
| PCA limited quantity max net quantity (IATA) | : 1L   |
| PCA packing instructions (IATA)              | : 353  |
| PCA max net quantity (IATA)                  | : 5L   |

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CAO packing instructions (IATA) : 364  
CAO max net quantity (IATA) : 60L  
ERG code (IATA) : 3H

### Inland waterway transport

Classification code (ADN) : F1  
Limited quantities (ADN) : 1 L  
Excepted quantities (ADN) : E2  
Carriage permitted (ADN) : T  
Equipment required (ADN) : PP, EX, A  
Ventilation (ADN) : VE01  
Number of blue cones/lights (ADN) : 1

### Rail transport

Classification code (RID) : F1  
Limited quantities (RID) : 1L  
Excepted quantities (RID) : E2  
Packing instructions (RID) : P001, IBC02, R001  
Mixed packing provisions (RID) : MP19  
Portable tank and bulk container instructions (RID) : T4  
Portable tank and bulk container special provisions (RID) : TP1  
Tank codes for RID tanks (RID) : LGBF  
Transport category (RID) : 2  
Colis express (express parcels) (RID) : CE7  
Hazard identification number (RID) : 33

### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

##### REACH Annex XVII (Restriction List)

| EU restriction list (REACH Annex XVII) |                                         |
|----------------------------------------|-----------------------------------------|
| Reference code                         | Applicable on                           |
| 3(a)                                   | n-HEXANE 99% FOR HPLC & UV SPECTROSCOPY |
| 3(b)                                   | n-HEXANE 99% FOR HPLC & UV SPECTROSCOPY |
| 3(c)                                   | n-HEXANE 99% FOR HPLC & UV SPECTROSCOPY |
| 40.                                    | n-HEXANE 99% FOR HPLC & UV SPECTROSCOPY |

##### REACH Annex XIV (Authorisation List)

Not listed on REACH Annex XIV (Authorisation List)

##### REACH Candidate List (SVHC)

Not listed on the REACH Candidate List

##### PIC Regulation (Prior Informed Consent)

Not listed on the PIC list (Regulation EU 649/2012)

##### POP Regulation (Persistent Organic Pollutants)

Not listed on the POP list (Regulation EU 2019/1021)

##### Ozone Regulation (1005/2009)

Not listed on the Ozone Depletion list (Regulation EU 1005/2009)

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### Dual-Use Regulation (428/2009)

Contains no substance subject to the COUNCIL REGULATION (EC) No 428/2009 of 5 May 2009 setting up a Community regime for the control of exports, transfer, brokering and transit of dual-use items.

### Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

### Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

### 15.1.2. National regulations

#### France

| Occupational diseases |                                  |
|-----------------------|----------------------------------|
| Code                  | Description                      |
| RG 59                 | Occupational poisoning by hexane |

#### Germany

Water hazard class (WGK) : WGK 2, Significantly hazardous to water (Classification according to AwSV; ID No. 124).  
Hazardous Incident Ordinance (12. BImSchV) : Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

#### Netherlands

SZW-lijst van kankerverwekkende stoffen : The substance is not listed  
SZW-lijst van mutagene stoffen : The substance is not listed  
SZW-lijst van reprotoxische stoffen – Borstvoeding : The substance is not listed  
SZW-lijst van reprotoxische stoffen – Vruchtbaarheid : n-HEXANE 99% is listed  
SZW-lijst van reprotoxische stoffen – Ontwikkeling : The substance is not listed

#### Denmark

Classification remarks : Emergency management guidelines for the storage of flammable liquids must be followed  
Danish National Regulations : Young people below the age of 18 years are not allowed to use the product  
Pregnant/breastfeeding women working with the product must not be in direct contact with the product

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

| Abbreviations and acronyms: |                                                                                                 |
|-----------------------------|-------------------------------------------------------------------------------------------------|
| ADN                         | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |
| ADR                         | European Agreement concerning the International Carriage of Dangerous Goods by Road             |
| ATE                         | Acute Toxicity Estimate                                                                         |
| BCF                         | Bioconcentration factor                                                                         |
| BLV                         | Biological limit value                                                                          |
| BOD                         | Biochemical oxygen demand (BOD)                                                                 |
| COD                         | Chemical oxygen demand (COD)                                                                    |
| DMEL                        | Derived Minimal Effect level                                                                    |
| DNEL                        | Derived-No Effect Level                                                                         |
| EC-No.                      | European Community number                                                                       |
| EC50                        | Median effective concentration                                                                  |

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| Abbreviations and acronyms: |                                                                              |
|-----------------------------|------------------------------------------------------------------------------|
| EN                          | European Standard                                                            |
| IARC                        | International Agency for Research on Cancer                                  |
| IATA                        | International Air Transport Association                                      |
| IMDG                        | International Maritime Dangerous Goods                                       |
| LC50                        | Median lethal concentration                                                  |
| LD50                        | Median lethal dose                                                           |
| LOAEL                       | Lowest Observed Adverse Effect Level                                         |
| NOAEC                       | No-Observed Adverse Effect Concentration                                     |
| NOAEL                       | No-Observed Adverse Effect Level                                             |
| NOEC                        | No-Observed Effect Concentration                                             |
| OECD                        | Organisation for Economic Co-operation and Development                       |
| OEL                         | Occupational Exposure Limit                                                  |
| PBT                         | Persistent Bioaccumulative Toxic                                             |
| PNEC                        | Predicted No-Effect Concentration                                            |
| RID                         | Regulations concerning the International Carriage of Dangerous Goods by Rail |
| SDS                         | Safety Data Sheet                                                            |
| STP                         | Sewage treatment plant                                                       |
| ThOD                        | Theoretical oxygen demand (ThOD)                                             |
| TLM                         | Median Tolerance Limit                                                       |
| VOC                         | Volatile Organic Compounds                                                   |
| CAS-No.                     | Chemical Abstract Service number                                             |
| N.O.S.                      | Not Otherwise Specified                                                      |
| vPvB                        | Very Persistent and Very Bioaccumulative                                     |
| ED                          | Endocrine disrupting properties                                              |

| Full text of H- and EUH-statements: |                                                                    |
|-------------------------------------|--------------------------------------------------------------------|
| Aquatic Chronic 2                   | Hazardous to the aquatic environment – Chronic Hazard, Category 2  |
| Asp. Tox. 1                         | Aspiration hazard, Category 1                                      |
| Flam. Liq. 2                        | Flammable liquids, Category 2                                      |
| H225                                | Highly flammable liquid and vapour.                                |
| H304                                | May be fatal if swallowed and enters airways.                      |
| H315                                | Causes skin irritation.                                            |
| H336                                | May cause drowsiness or dizziness.                                 |
| H361f                               | Suspected of damaging fertility.                                   |
| H373                                | May cause damage to organs through prolonged or repeated exposure. |
| H411                                | Toxic to aquatic life with long lasting effects.                   |
| Repr. 2                             | Reproductive toxicity, Category 2                                  |
| Skin Irrit. 2                       | Skin corrosion/irritation, Category 2                              |
| STOT RE 2                           | Specific target organ toxicity – Repeated exposure, Category 2     |

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|                                            |                                                                        |
|--------------------------------------------|------------------------------------------------------------------------|
| <b>Full text of H- and EUH-statements:</b> |                                                                        |
| STOT SE 3                                  | Specific target organ toxicity – Single exposure, Category 3, Narcosis |

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.