

# SAFETY DATA SHEET

according to 1907/2006/EC, Article 3

Version no. : 2.0  
Prepared on : 07.04.2026  
Revised on :

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

### 1.1 Product identifiers

**Product name** Eicosane  
**Product Number** PSI1066  
**Brand** PureSynth research chemicals  
**CAS No.** 112-95-8

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

**Identified uses** : Laboratory chemicals, Manufacture of substances

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

**Company** PureSynth Research Chemicals Pvt. Ltd.  
FB-121, High Street mall, Kapurbawdi junction, Thane (W)

### 1.4 Emergency telephone number

**Worldwide Helpline No.:** 1800-8908-260

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Classification according to Regulation (EC) No 1272/2008**

Aspiration hazard, (Category 1) H304: May be fatal if swallowed and enters airways.

### 2.2 Label elements

**Labelling according Regulation (EC) No 1272/2008**

**Pictogram**



**Signal word**

Danger

**Hazard statement(s)**

H304 May be fatal if swallowed and enters airways.

**Precautionary statement(s)**

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.  
P331 Do NOT induce vomiting.  
P405 Store locked up.  
P241 Use explosion-proof electrical/ ventilating/ lighting equipment.  
P501 Dispose of contents/ container to an approved waste disposal plant.  
**Supplemental Hazard Statements** none

### 2.3 Other hazards:

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or

very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

### SECTION 3: Composition / information on ingredients

#### 3.1 Substances

| Common names & Synonyms | Mol. formula                    | CAS number    |
|-------------------------|---------------------------------|---------------|
| n-Eicosane              | C <sub>20</sub> H <sub>42</sub> | 112-95-8      |
| Component               | Classification                  | Concentration |
| Eicosane                | Asp. Tox. 1; H304               | <= 100 %      |

### SECTION 4: First aid measures

#### Description of first aid measures

|                                                                                   |                                                                                                                     |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| <b>General advice</b>                                                             | Show this safety data sheet to the doctor in attendance.                                                            |
| <b>If inhaled</b>                                                                 | After inhalation: fresh air.                                                                                        |
| <b>In case of skin contact</b>                                                    | In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower.             |
| <b>In case of eye contact</b>                                                     | After eye contact: rinse out with plenty of water. Remove contact lenses.                                           |
| <b>If swallowed</b>                                                               | After swallowing: immediately make victim drink water (two glasses at most). Consult a physician.                   |
| <b>Most important symptoms and effects, both acute and delayed</b>                | The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11 |
| <b>Indication of any immediate medical attention and special treatment needed</b> | No data available                                                                                                   |

### SECTION 5: Fire fighting measures

|                                                              |                                                                                                                      |
|--------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|
| <b>Extinguishing media</b>                                   |                                                                                                                      |
| <b>Suitable extinguishing media</b>                          | Carbon dioxide (CO <sub>2</sub> ) Foam Dry powder                                                                    |
| <b>Unsuitable extinguishing media</b>                        | For this substance/mixture no limitations of extinguishing agents are given.                                         |
| <b>Special hazards arising from the substance or mixture</b> | Carbon oxides<br>Combustible.<br>Development of hazardous combustion gases or vapours possible in the event of fire. |
| <b>Advice for fire-fighters</b>                              | In the event of fire, wear self-contained breathing apparatus.                                                       |
| <b>Further information</b>                                   | Prevent fire extinguishing water from contaminating surface water or the ground water system.                        |

### SECTION 6: Accidental release measures

|                                                                            |                                                                                                                                                                                                                                           |
|----------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Personal precautions, protective equipment and emergency procedures</b> | Advice for non-emergency personnel: Avoid inhalation of dusts. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert.<br>For personal protection see section 8. |
| <b>Environmental precautions</b>                                           | Do not let product enter drains.                                                                                                                                                                                                          |
| <b>Methods and materials for containment and cleaning up</b>               | Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up carefully. Dispose of properly. Clean up affected area. Avoid generation of dusts.                              |
| <b>Reference to other sections</b>                                         | For disposal see section 13.                                                                                                                                                                                                              |

## SECTION 7: Handling and storage

|                                                                     |                                                                                                            |
|---------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| <b>Precautions for safe handling</b>                                | For precautions see section 2.2.                                                                           |
| <b>Conditions for safe storage, including any incompatibilities</b> | Tightly closed. Dry. Store at a temperature of 2-8 °C.<br>Storage class (TRGS 510): 11: Combustible Solids |
| <b>Specific end use(s)</b>                                          | Apart from the uses mentioned in section 1.2 no other specific uses are stipulated                         |

## SECTION 8: Exposure controls / Personal protection

|                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Control parameters</b>                | Ingredients with workplace control parameters                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Exposure controls</b>                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Appropriate engineering controls</b>  | No data available                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Personal protective equipment:</b>    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Eye / face protection</b>             | Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Safety glasses                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Skin protection</b>                   | This recommendation applies only to the product stated in the safety data sheet, supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN 16523-1 please contact the supplier of CE-approved gloves<br>Full contact<br>Material: Nitrile rubber<br>Minimum layer thickness: 0.11 mm<br>Break through time: 480 min<br><br>This recommendation applies only to the product stated in the safety data sheet, supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN 16523-1 please contact the supplier of CE-approved gloves<br>Splash contact<br>Material: Nitrile rubber<br>Minimum layer thickness: 0.11 mm<br>Break through time: 480 min<br>protective clothing |
| <b>Body Protection</b>                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Respiratory protection</b>            | required when dusts are generated. Our recommendations on filtering respiratory protection are based on the following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system.<br>Recommended Filter type: Filter type P2<br>The entrepreneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented.                                                                                                                                                                                                                                                                                                                                               |
| <b>Control of environmental exposure</b> | Do not let product enter drains. Risk of explosion                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

## SECTION 9: Physical and chemical properties

|                                                       |                                                                                                 |
|-------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| <b>Appearance</b>                                     | Form: Solid<br>Colour: White                                                                    |
| <b>Odour</b>                                          | odorless                                                                                        |
| <b>pH - Value</b>                                     | No data available                                                                               |
| <b>Density</b>                                        | 0.7889 g/cm <sup>3</sup> at 20 °C                                                               |
| <b>Boiling Point</b>                                  | 220 °C at 40 hPa                                                                                |
| <b>Melting Point</b>                                  | 36.8 °C                                                                                         |
| <b>Solubility in water</b>                            | No data available                                                                               |
| <b>Flash point</b>                                    | 34 °C                                                                                           |
| <b>Vapour pressure</b>                                | 0.014 hPa at 40 °C                                                                              |
| <b>Auto -ignition temperature</b>                     | 202 °C at 1.013 hPa                                                                             |
| <b>Vapour density</b>                                 | No data available                                                                               |
| <b>Flammability (solid, gas)</b>                      | No data available                                                                               |
| <b>Evaporation rate</b>                               | No data available                                                                               |
| <b>Partition coefficient: n- octanol / water</b>      | No data available                                                                               |
| <b>Viscosity</b>                                      | Viscosity, kinematic: 5.36 mm <sup>2</sup> /s at 40 °C<br>Viscosity, dynamic: No data available |
| <b>Explosive properties</b>                           | Not classified as explosive.                                                                    |
| <b>Upper / lower flammability or explosive limits</b> | No data available                                                                               |
| <b>Oxidizing properties</b>                           | No data available                                                                               |

**Other safety information:** No data available

## SECTION 10: Stability and reactivity

|                                           |                                                                                                                                                                                           |
|-------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Reactivity</b>                         | The following applies in general to flammable organic substances and mixtures: in correspondingly fine distribution, when whirled up a dust explosion potential may generally be assumed. |
| <b>Chemical stability</b>                 | The product is chemically stable under standard ambient conditions (room temperature).                                                                                                    |
| <b>Possibility of hazardous reactions</b> | Violent reactions possible with:<br>Strong oxidizing agents                                                                                                                               |
| <b>Condition to avoid</b>                 | no information available                                                                                                                                                                  |
| <b>Incompatible materials</b>             | Strong oxidizing agents                                                                                                                                                                   |
| <b>Hazardous decomposition products</b>   | In the event of fire: see section 5                                                                                                                                                       |

## SECTION 11: Toxicological information

|                                  |                                                                                                                                                                                                                                                                                              |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Acute toxicity</b>            | LD50 Oral - Rat - male and female - > 5000 mg/kg<br>(OECD Test Guideline 401)<br>LC50 Inhalation - Rat - male and female - 4 h - > 5266 mg/m <sup>3</sup> - dust/mist<br><br>(OECD Test Guideline 403)<br>LD50 Dermal - Rabbit - male and female - > 3160 mg/kg<br>(OECD Test Guideline 402) |
| <b>Skin corrosion/irritation</b> | Skin - Rabbit<br>Result: No skin irritation                                                                                                                                                                                                                                                  |

|                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Serious eye damage/eye irritation</b>                  | (OECD Test Guideline 404)<br>Eyes - Rabbit<br>Result: No eye irritation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Respiratory or skin sensitization</b>                  | (OECD Test Guideline 405)<br>Maximization Test - Guinea pig<br>Result: Not a skin sensitizer.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Germ cell mutagenicity</b>                             | (OECD Test Guideline 406)<br>Test Type: Ames test<br>Test system: S. typhimurium<br>Metabolic activation: with and without metabolic activation<br>Method: OECD Test Guideline 471<br>Result: negative<br>Test Type: In vitro mammalian cell gene mutation test<br>Test system: mouse lymphoma cells<br>Metabolic activation: with and without metabolic activation<br>Method: OECD Test Guideline 476<br>Result: negative<br>Test Type: Micronucleus test<br>Species: Mouse<br>Cell type: Bone marrow<br>Application Route: Oral<br>Method: OECD Test Guideline 474<br>Result: negative |
| <b>Carcinogenicity</b>                                    | No data available                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Reproductive toxicity</b>                              | No data available                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Specific target organ toxicity - single exposure</b>   | No data available                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Specific target organ toxicity - repeated exposure</b> | No data available                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Aspiration hazard</b>                                  | May be fatal if swallowed and enters airways.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Additional Information</b>                             | The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.<br>To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.<br><br>Hazardous properties cannot be excluded but are unlikely when the product is handled appropriately.<br><br>Handle in accordance with good industrial hygiene and safety practice.        |

## SECTION 12: Ecological information

### Toxicity

|                                                     |                   |
|-----------------------------------------------------|-------------------|
| Toxicity to fish                                    | No data available |
| Toxicity to daphnia and other aquatic invertebrates | No data available |
| Toxicity to algae                                   | No data available |
| Toxicity to bacteria                                | No data available |

### Persistence and degradability

aerobic - Exposure time 28 d  
Result: 74 % - Readily biodegradable.  
(OECD Test Guideline 306)

|                                           |                                                                                                                                                                                                                                                             |
|-------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Bio accumulative potential</b>         | No data available                                                                                                                                                                                                                                           |
| <b>Mobility in soil</b>                   | No data available                                                                                                                                                                                                                                           |
| <b>Results of PBT and vPvB assessment</b> | This substance/mixture contains no components considered to be either persistent, bioaccumulative or toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.                                                           |
| <b>Endocrine disrupting properties</b>    | The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher. |
| <b>Other adverse effects</b>              | Discharge into the environment must be avoided.                                                                                                                                                                                                             |

#### SECTION 13: Disposal considerations

|                                |                   |
|--------------------------------|-------------------|
| <b>Waste treatment methods</b> | No data available |
| <b>Products</b>                |                   |
| <b>Contaminated packaging</b>  | No data available |

#### SECTION 14: Transport information

|                  | UN no. | UN proper shipping name | Hazard Class(es) | Packaging group | Marine Pollutant |
|------------------|--------|-------------------------|------------------|-----------------|------------------|
| <b>ADR / RID</b> | -      | Not dangerous goods     | -                | -               | no               |
| <b>IMDG</b>      | -      | Not dangerous goods     | -                | -               | no               |
| <b>IATA</b>      | -      | Not dangerous goods     | -                | -               | no               |

#### SECTION 15: Regulatory information

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

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006

##### Other regulations

Take note of Dir 94/33/EC on the protection of young people at work.

##### 15.2 Chemical safety assessment

For this product a chemical safety assessment was not carried out

#### SECTION 16: Other information

The information in this SDS is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. The user must be determined suitability of this information for his application.