

# WATSON INTERNATIONAL LTD

SAFETY DATA SHEET  
according to Regulation (EC) No. 1907/2006

Version: 3.0  
Revision Date: 05/04/2024

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

### 1.1 Product identifiers

Product name : 2,2-bis(ethyl ferrocenyl) propane  
REACH No. : A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.  
CAS-No. : 37206-42-1

### 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 : Watson International Ltd  
FLAT 107,25  
INDESCON  
SQUARE,LONDO  
N,ENGLAND,E14  
9DG, UK

Telephone : +44 20 36089360

### 1.4 Emergency telephone number

Emergency Phone # : +44 20 36089360

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

#### Classification

|   |  |
|---|--|
| Acute toxicity, oral, (Category 4)                                  | H302: Harmful if swallowed.  |
| Acute toxicity, dermal, (Category 4)                                | H312: Harmful in contact with skin.                                      |
| Skin sensitisation, (Category 1)                                    | H317: May cause an allergic skin reaction.                               |
| Serious eye damage, (Category 2)                                    | H319: Causes serious eye damage.   |
| Reproductive toxicity, (Category 1B)                                | H360: May damage fertility or the unborn child.                          |
| Specific Target Organ Toxicity — Repeated exposure, (Category 2)    | H373: May cause damage to organs through prolonged or repeated exposure. |
| Hazardous to the aquatic environment — Chronic hazard, (Category 1) | H410: Very toxic to aquatic life with long lasting effects.              |

#### Hazard statements

H302, H312, H317, H319, H360, H373, H410

### 2.2 Label elements

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

Pictogram



Signal Word

Danger

Hazard statements

|      |   |
|------|---|
| H302 | Harmful if swallowed.                     |
| H312 | Harmful in contact with skin.             |
| H317 | May cause an allergic skin reaction.      |
| H319 | Causes serious eye irritation.            |
| H360 | May damage fertility or the unborn child. |

|                          |  |
|--------------------------|--|
| H373                     | May cause damage to organs through prolonged or repeated exposure.   |
| H410                     | Very toxic to aquatic life with long lasting effects.  |
| Precautionary statements |  |
| P201                     | Obtain special instructions before use.  |
| P202                     | Do not handle until all safety precautions have been read and understood.  |
| P260                     | Do not breathe vapour.   |
| P264                     | Wash thoroughly after handling.  |
| P272                     | Contaminated work clothing should not be allowed out of the workplace.   |
| P273                     | Avoid release to the environment.  |
| P280                     | Wear protective gloves/protective clothing/eye protection/face protection.   |
| P312                     | Call a POISON CENTER/doctor if you feel unwell.  |
| P330                     | Rinse mouth.   |
| P391                     | Collect spillage.  |
| P301 + P312              | IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.  |
| P302 + P352              | IF ON SKIN: Wash with plenty of water/.  |
| P305 + P351 + P338       | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P308 + P313              | IF exposed or concerned: Get medical advice/attention.   |
| P337 + P313              | If eye irritation persists: Get medical advice/attention.  |
| P405                     | Store locked up.   |
| P308 + P311              | IF exposed or concerned: Call a POISON CENTER/doctor.  |
| P362 + P364              | Take off contaminated clothing and wash it before reuse.   |
| P333 + P313              | If skin irritation or rash occurs: Get medical advice/attention.   |

### 2.3 Other hazards

No data available

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

|                  |   |
|------------------|---|
| Synonyms         | : Catocene  |
| Formula          | : C <sub>27</sub> H <sub>32</sub> Fe <sub>2</sub> |
| Molecular weight | : 468.25 g/mol                                    |
| CAS-No.          | : 37206-42-1                                      |
| EC-No.           | : 310-202-3                                       |

| Component                                | Classification                                 | Concentration |
|--|--|---------------|
| <b>2,2-bis(ethyl ferrocenyl) propane</b> |  |               |
| CAS-No. 37206-42-1<br>EC-No. 310-202-3   | H302, H312, H317,<br>H319, H360, H373,<br>H410 | <= 100 %      |

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

## SECTION 4: First aid measures

### 4.1 Description of first-aid measures

#### General advice

First aiders need to protect themselves. Show this material safety data sheet to the doctor in attendance.

**If inhaled**

Remove person to fresh air and keep comfortable for breathing. In case of persistent throat irritation or coughing: Seek medical attention and bring these instructions.

**In case of skin contact**

Wash with plenty of water. Continue to rinse for at least 15 minutes and seek medical attention. Get medical advice/attention if you feel unwell.

**In case of eye contact**

Remove contact lenses if present. Rinse eyes with water. Continue to rinse for at least 15 minutes and seek medical attention.

**If swallowed**

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Get medical advice/attention if you feel unwell.

**4.2 Most important symptoms and effects, both acute and delayed**

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

**4.3 Indication of any immediate medical attention and special treatment needed**

No data available

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

Use foam, carbon dioxide, dry powder or water fog to extinguish.

**Unsuitable extinguishing media**

For this substance/mixture no limitations of extinguishing agents are given.

**5.2 Special hazards arising from the substance or mixture**

Specific hazards: None.

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Carbon dioxide (CO<sub>2</sub>). Carbon monoxide (CO). Iron oxides

**5.3 Advice for firefighters**

Evacuate area. Avoid breathing gas, fume, vapours or spray. Cool containers exposed to heat with water spray and remove container, if no risk is involved.

**5.4 Further information**

No data available

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

Avoid breathing dust/fume/gas/mist/vapours/spray. Provide adequate ventilation. Avoid contact with skin and eyes. For personal protection, see section 8.

**6.2 Environmental precautions**

Avoid discharge into drains, water courses or onto the ground.

**6.3 Methods and materials for containment and cleaning up**

Collect spillage with shovel, broom or the like and reuse, if possible. Dispose of large amounts of spillage/waste according to agreement with local authorities.

**6.4 Reference to other sections**

For disposal see section 13.

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

For precautions see section 2.2.

**7.2 Conditions for safe storage, including any incompatibilities**

**Storage conditions**

Store at room temperature. Store in a dry place. Store in a closed container.

**7.3 Specific end use(s)**

No specific uses are stipulated

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**SECTION 8: Exposure controls/personal protection****8.1 Control parameters****Ingredients with workplace control parameters**

Contains no substances with occupational exposure limit values.

**8.2 Exposure controls****Personal protective equipment****Eye/face protection**

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Tightly fitting safety goggles

**Skin protection**

required

**Body Protection**

protective clothing

**Respiratory protection**

Provide adequate ventilation. If ventilation is insufficient, suitable respiratory protection must be provided.

**Control of environmental exposure**

Do not let product enter drains.

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

- |   |                   |
|---|-------------------|
| a) Physical state                               | Viscous liquid    |
| b) Color  | Brown red         |
| c) Odor   | No data available |
| d) Melting point/freezing point                 | No data available |
| e) Initial boiling point and boiling range      | No data available |
| f) Flammability (solid, gas)                    | No data available |
| g) Upper/lower flammability or explosive limits | No data available |
| h) Flash point                                  | No data available |
| i) Autoignition temperature                     | No data available |
| j) Decomposition temperature                    | No data available |
| k) pH   | No data available |
| l) Viscosity                                    | No data available |

|  |                   |
|--|-------------------|
| m) Water solubility                          | No data available |
| n) Partition coefficient:<br>n-octanol/water | No data available |
| o) Vapor pressure                            | No data available |
| p) Density                                   | No data available |
| Relative density                             | No data available |
| q) Relative vapor<br>density                 | No data available |
| r) Particle<br>characteristics               | No data available |
| s) Explosive properties                      | No data available |
| t) Oxidizing properties                      | none              |

## 9.2 Other safety information

No data available

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No data available

### 10.2 Chemical stability

The product is chemically stable under standard ambient conditions (room temperature) .

### 10.3 Possibility of hazardous reactions

No data available

### 10.4 Conditions to avoid

No data available

### 10.5 Incompatible materials

Strong oxidising agents.

### 10.6 Hazardous decomposition products

In the event of fire: see section 5

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

Oral: No data available

Inhalation: No data available

Dermal: No data available

#### Skin corrosion/irritation

No data available

#### Serious eye damage/eye irritation

No data available

#### Respiratory or skin sensitization

No data available

#### Germ cell mutagenicity

No data available

#### Carcinogenicity

No data available

**Reproductive toxicity**

No data available

**Specific target organ toxicity - single exposure**

No data available

**Specific target organ toxicity - repeated exposure**

No data available

**Aspiration hazard**

No data available

**11.2 Additional Information****Endocrine disrupting properties**

No data available

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**SECTION 12: Ecological information****12.1 Toxicity**

No data available

**12.2 Persistence and degradability**

No data available

**12.3 Bioaccumulative potential**

No data available

**12.4 Mobility in soil**

No data available

**12.5 Results of PBT and vPvB assessment**

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.

**12.6 Endocrine disrupting properties****Product:**

Assessment : 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.

**12.7 Other adverse effects**

No data available

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**SECTION 13: Disposal considerations****13.1 Waste treatment methods****Product**

Waste material must be disposed of in accordance with the national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself. Notice Directive on waste 2008/98/EC.

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**SECTION 14: Transport information****14.1 UN number**

No data available

**14.2 UN proper shipping name**

No data available

**14.2 UN proper shipping name**

No data available

**14.3 Transport hazard class(es)**

No data available

**14.4 Packaging group**

No data available

**14.5 Environmental hazards**

No data available

**14.6 Special precautions for user**

No data available

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

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

**15.2 Chemical Safety Assessment**

No data available

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

|      |   |
|------|---|
| H302 | Harmful if swallowed.   |
| H312 | Harmful in contact with skin.                                     |
| H317 | May cause an allergic skin reaction.                              |
| H319 | Causes serious eye irritation.                                    |
| H360 | May damage fertility or the unborn child.                         |
| H373 | May cause damage to organs through prolonged or repeated exposure |
| H410 | Very toxic to aquatic life with long lasting effects.             |

**Further information**

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