1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifiers
- **Product Name:** Eptifibatide
- **Catalog Number:** 4725
- **CAS Number:** 188627-80-7

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:** Tocris Bioscience
- **Telephone:** + 44 (0)117 916-3333
- **The Watkins Building,**
- **Atlantic Road,**
- **Bristol, BS11 9QD, UK**
- **Fax:** + 44 (0)117 916-3344
- **Internet:** www.tocris.com
- **E-mail address:** info@bio-techne.com

1.4 Emergency Telephone number
- **Emergency Tel:** + 44 (0)117 916-3333 (09.00 - 17.00 GMT)

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture
- **Classification according to Regulation (EC) No 1272/2008 [GHS/CLP]**
- **Specific Target Organ Toxicity, repeated exposure - Category 2**

2.2 Label elements
- **Labeling according to Regulation (EC) No 1272/2008 [CLP]**
  - **Pictogram(s):**
    - ![](image)
  - **Signal word:** Warning
  - **Hazard statement(s):**
    - H373 May cause damage to organs through prolonged or repeated exposure
  - **Precautionary statement(s):**
    - P260 Do not breathe dust/fume/gas/mist/vapours/spray
    - P314 Get medical advice/attention if you feel unwell
  - **2.3 Other hazards - none**

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances
- **Product Name:** Eptifibatide
- **Formula:** C_{35}H_{49}N_{11}O_{9}S_{2}
- **Molecular Weight:** 832.5
- **CAS Number:** 188627-80-7

4. FIRST AID MEASURES

4.1 Description of first aid measures

**General advice**
Consult a doctor and show this safety data sheet.

**If inhaled**
Remove to fresh air and monitor breathing. If breathing becomes difficult, give oxygen. If breathing stops, give artificial respiration. Consult a doctor.

**In case of skin contact**
Immediately wash skin with copious amounts of soap and water for at least 15 minutes. Remove contaminated clothing and shoes and wash before reuse. Consult a doctor.

**In case of eye contact**
Flush with copious amounts of water for at least 15 minutes. Consult a doctor.

**If swallowed**
Rinse mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Consult a doctor.

4.2 Most important symptoms and effects, both acute and delayed
To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

4.3 Indication of immediate medical attention and special treatment needed
Show this safety data sheet to the doctor in attendance. Immediate medical attention is required.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media
   Suitable extinguishing media
   Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture
   In combustion, may emit toxic fumes.

5.3 Precautions for fire-fighters
   Wear suitable protective clothing to prevent contact with skin and eyes and self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures
   Do not take action without suitable protective clothing - see section 8 of SDS. Evacuate personnel to safe areas. Ensure adequate ventilation. Avoid breathing vapors, mist, dust or gas.

6.2 Environmental precautions
   Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up
   Cover spillage with suitable absorbent material. Using non-spark tools, sweep up material and place in an appropriate container. Decontaminate spill site with 10% caustic solution and ventilate area until after disposal is complete. Hold all material for appropriate disposal as described under section 13 of SDS.

6.4 Reference to other sections
   For required PPE see section 8. For disposal see section 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling
   Use in a chemical fume hood, with air supplied by an independent system. Avoid inhalation, contact with eyes, skin and clothing. Avoid the formation of dust and aerosols. Use in a well-ventilated area. Keep away from sources of ignition. Avoid prolonged or repeated exposure.

7.2 Conditions for safe storage, including any incompatibilities.
   Store in cool, well-ventilated area. Keep away from direct sunlight. Keep container tightly sealed until ready for use. Recommended storage temperature: Store at -20°C

7.3 Specific end uses
   Use in a laboratory fume hood where possible. Refer to employer's COSHH risk assessment.

8. EXPOSURE CONTROLS/PERSOANAL PROTECTION

8.1 Control parameters
   Contains no substances with occupational exposure limit values.

8.2 Exposure controls
   Appropriate engineering controls
   Use in a fume hood where applicable. Ensure all engineering measures described under section 7 of SDS are in place. Ensure laboratory is equipped with a safety shower and eye wash station.

   Personal protective equipment
   Eye/face protection
     Use appropriate safety glasses.

   Skin protection
     Use appropriate chemical resistant gloves (minimum requirement use standard BS EN 374:2003). Gloves should be inspected before use. Wash and dry hands thoroughly after handling.

   Body protection
     Wear appropriate protective clothing.

   Respiratory protection
     If risk assessment indicates necessary, use a suitable respirator.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties
   Appearance White lyophilised solid
   Vapor pressure No data available
### 9.2 Other safety information
No data available

### 10. STABILITY AND REACTIVITY

#### 10.1 Reactivity
Stable under recommended transport or storage conditions.

#### 10.2 Chemical stability
Stable under recommended storage conditions.

#### 10.3 Possibility of hazardous reactions
Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.

#### 10.4 Conditions to avoid
Heat, moisture.

#### 10.5 Incompatible materials
Strong acids/alkalis, strong oxidising/reducing agents.

#### 10.6 Hazardous decomposition products
In combustion may emit toxic fumes. No known decomposition information.

### 11. TOXICOLOGICAL INFORMATION

#### 11.1 Information on toxicological effects

- **Acute Toxicity**
  - IVN-WMN TDLo: 180ug/kg

- **Skin corrosion/irritation**
  - Classified based on available data

- **Serious eye damage/irritation**
  - Classified based on available data

- **Respiratory or skin sensitization**
  - Classified based on available data

- **Germ cell mutagenicity**
  - Classified based on available data

- **Carcinogenicity**
  - Classified based on available data

- **Reproductive toxicity**
  - Classified based on available data

- **Specific target organ toxicity - single exposure**
  - Classified based on available data

- **Specific target organ toxicity - repeated exposure**
  - Affected organs: blood

- **Aspiration hazard**
  - Classified based on available data

- **Symptoms / Routes of exposure**
  - **Inhalation:** There may be shortness of breath with a burning sensation in the throat. Exposure may cause coughing or wheezing. Absorption through the lungs can occur causing symptoms similar to those of ingestion. There may be shortness of breath.
  - **Ingestion:** There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur. Blood may be vomited. There may be vomiting and diarrhea.
  - **Skin:** Irritation or pain may occur at the site of contact. There may be redness or whiteness of the skin in the area of exposure. Absorption through the skin may be harmful.
  - **Eyes:** There may be pain and redness. The vision may become blurred. The eyes may water profusely. Absorption through the eye may cause effects similar to skin contact and/or ingestion.
Immediate effects can be expected after short-term exposure. Exposure may cause irritation of eyes, mucous membranes, upper respiratory tract and skin.

To the best of our knowledge, the chemical, physical and toxicological properties have not been fully investigated.
appropriate local and national safety legislature. The absence of warning must not, under any circumstance, be taken to mean that no hazard exists.

End of safety data sheet