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

- Product identifier
  - Trade name: 6-(2-Chlorophenyl)-2,4-dihydro-2-[(dimethylamino)methylene]8-nitroimidazo[1,2-a][1,4]benzodiazepin-1

- Reference number: Cat 443
- Relevant identified uses of the substance or mixture and uses advised against
  - No further relevant information available.
- Application of the substance / the mixture
  - Reference material for laboratory use only
- Manufacturer/Supplier:
  - British Pharmacopoeia Commission
  - Tel: +44 (0)20 3080 6561
  - MHRA
  - eMail: bpcrs@mhra.gov.uk
  - 10 South Colonnade, Canary Wharf
  - London E14 4PU
  - United Kingdom
- Further information obtainable from:
  - eMail: bpcrs@mhra.gov.uk
- Emergency telephone number: +44 (0) 20 3080 6561 (Monday - Friday: 8am - 5pm)

SECTION 2: Hazards identification

- Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008

GHS07

Skin Irrit. 2 H315 Causes skin irritation.
Eye Irrit. 2 H319 Causes serious eye irritation.
STOT SE 3 H335 May cause respiratory irritation.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC

Xi; Irritant

R36/37/38: Irritating to eyes, respiratory system and skin.

Information concerning particular hazards for human and environment: Not applicable.

- Label elements
- Labelling according to Regulation (EC) No 1272/2008
  - The substance is classified and labelled according to the CLP regulation.
- Hazard pictograms

GHS07

- Signal word Warning
- Hazard statements
  - H315 Causes skin irritation.
  - H319 Causes serious eye irritation.
  - H335 May cause respiratory irritation.
- Precautionary statements
  - P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
  - P280 Wear protective gloves/protective clothing/eye protection/face protection.
  - P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
  - P321 Specific treatment (see on this label).

(Contd. on page 2)
Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 03.02.2014
Version number 1
Revision: 03.02.2014

Trade name: 6-(2-Chlorophenyl)-2,4-dihydro-2-[(dimethylamino)methylene]8-nitroimidazo[1,2-a][1,4]benzodiazepin-1

P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- Other hazards
- Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

- Chemical characterization: Substances
- CAS No. Description
  6-(2-Chlorophenyl)-2,4-dihydro-2-[(dimethylamino)methylene]8-nitroimidazo[1,2-a][1,4]benzodiazepin-1-one
- Identification number(s) -
- Additional information: For the wording of the listed risk phrases refer to section 16.

SECTION 4: First aid measures

- Description of first aid measures
  - After inhalation: In case of unconsciousness place patient in recovery position for transport.
  - After skin contact:
    Immediately wash with water and soap and rinse thoroughly.
    If skin irritation continues, consult a doctor.
  - After eye contact:
    Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
  - After swallowing:
    Rinse mouth. Do not induce vomiting.
  - Information for doctor:
    - Most important symptoms and effects, both acute and delayed No further relevant information available.
    - Indication of any immediate medical attention and special treatment needed No further relevant information available.

SECTION 5: Firefighting measures

- Extinguishing media
  - Suitable extinguishing agents:
    CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

- Special hazards arising from the substance or mixture
  - Formation of toxic gases is possible during heating or in case of fire.

- Advice for firefighters

- Protective equipment: Wear self-contained respiratory protective device.

SECTION 6: Accidental release measures

- Personal precautions, protective equipment and emergency procedures Avoid formation of dust.
- Environmental precautions: Do not allow to enter sewers/surface or ground water.
- Methods and material for containment and cleaning up: Ensure adequate ventilation.

Reference to other sections
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.

(Contd. from page 1)
SECTION 7: Handling and storage

- Handling:
  - Precautions for safe handling: Store in cool, dry place in tightly closed receptacles.
  - Information about fire - and explosion protection: No special measures required.

- Conditions for safe storage, including any incompatibilities

- Storage:
  - Requirements to be met by storerooms and receptacles:
    - Store in a cool location.
    - Please refer to the manufacturer's certificate for specific storage and transport temperature conditions.
    - Store only in the original receptacle.
    - Keep container in a well-ventilated place. Keep away from sources of ignition and heat.
  - Information about storage in one common storage facility: Store away from foodstuffs.
  - Further information about storage conditions: Keep container tightly sealed.

- Specific end use(s): No further relevant information available.

SECTION 8: Exposure controls/personal protection

- Additional information about design of technical facilities: No further data; see item 7.

- Control parameters

- Ingredients with limit values that require monitoring at the workplace: Not required.

- Additional information: Lists used were valid at the time of SDS preparation.

- Exposure controls

- Personal protective equipment:
  - General protective and hygienic measures:
    - Keep away from foodstuffs, beverages and feed.
    - Immediately remove all soiled and contaminated clothing
    - Wash hands before breaks and at the end of work.
    - Avoid contact with the eyes and skin.
  - Respiratory protection:
    - In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

- Protection of hands:

  Protective gloves

  The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
  Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
  Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

  Material of gloves
  The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

  Penetration time of glove material
  The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
SECTION 9: Physical and chemical properties

- Eye protection:
  Tightly sealed goggles

- Information on basic physical and chemical properties
  - General Information
    - Appearance:
      - Form: Solid
      - Colour: White
    - Odour:
      - Odour: Odourless
      - Odour threshold: Not determined.
    - pH-value:
      - Not applicable.
    - Change in condition
      - Melting point/Melting range: Not determined.
      - Boiling point/Boiling range: Not determined.
    - Flash point:
      - Not applicable.
    - Flammability (solid, gaseous):
      - Not determined.
    - Ignition temperature:
      - Decomposition temperature: Not determined.
    - Self-igniting:
      - Not determined.
    - Danger of explosion:
      - Not determined.
    - Explosion limits:
      - Lower: Not determined.
      - Upper: Not determined.
    - Vapour pressure:
      - Not applicable.
    - Density:
      - Not determined.
    - Relative density:
      - Not determined.
    - Vapour density:
      - Not applicable.
    - Evaporation rate:
      - Not applicable.
    - Solubility in / Miscibility with water:
      - Not determined.
    - Partition coefficient (n-octanol/water):
      - Not determined.
    - Viscosity:
      - Dynamic:
        - Not applicable.
      - Kinematic:
        - Not applicable.
    - Other information
      - No further relevant information available.

SECTION 10: Stability and reactivity

- Reactivity Stable under normal conditions.
SECTION 11: Toxicological information

- Information on toxicological effects
  - Acute toxicity:
  - Primary irritant effect:
  - on the skin: Irritant to skin and mucous membranes.
  - on the eye: Irritating effect.
  - Sensitization: No sensitizing effects known.

SECTION 12: Ecological information

- Toxicity
  - Aquatic toxicity: No further relevant information available.
  - Persistence and degradability No further relevant information available.
  - Behaviour in environmental systems:
    - Bioaccumulative potential No further relevant information available.
    - Mobility in soil No further relevant information available.
    - Additional ecological information:
    - General notes:
      Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
      Do not allow undiluted product to reach ground water, water course or sewage system.
    - Results of PBT and vPvB assessment
      - PBT: Not applicable.
      - vPvB: Not applicable.
    - Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

- Waste treatment methods
  - Recommendation
    Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
  - European waste catalogue
    Waste disposal key numbers from EWC have to be assigned depending on origin and processing.
  - Uncleaned packaging:
    - Recommendation: Dispose of in accordance with national regulations.

SECTION 14: Transport information

- UN-Number
  - ADR, ADN, IMDG, IATA Not applicable
  - ADR, ADN, IMDG, IATA Not applicable
**Trade name:** 6-(2-Chlorophenyl)-2,4-dihydro-2-[(dimethylamino)methylene]8-nitroimidazo[1,2-a][1,4]benzodiazepin-1

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<td><strong>ADR, ADN, IMDG, IATA</strong></td>
<td>Not applicable</td>
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<th><strong>Packing group</strong></th>
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<td><strong>ADR, IMDG, IATA</strong></td>
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<th><strong>Environmental hazards:</strong></th>
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<tr>
<td><strong>Marine pollutant:</strong></td>
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| **Special precautions for user** | Not applicable. |

| **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** | Not applicable. |

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<th><strong>UN &quot;Model Regulation&quot;:</strong></th>
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