

Material Safety Data Sheet

According to (EC) No 1907/2006 (REACH) and 1272/2008 (CLP)

CHLORZOXAZONUM

EN

FORM-06-14-01 (V00)

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Publication: 18/03/2022

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Version: 01



SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product name:	Chlorzoxazone Chlorzoxazonum Chloorzoxazon Chlorzoxazone Chlorzoxazon
N° CAS:	95-25-0
N° EC:	202-403-9

1.2 Relevant identified uses of the substance/mixture and uses advised against

Identified uses:	Active Pharmaceutical Ingredient or Excipient.
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1.3 Details of the supplier of the safety data sheet

Company:	Magis-Pharma NV Neerlandweg 24 2610 Wilrijk Belgium
Telephone:	(+32) (0)3 457 11 76
Email:	info@magis-pharma.be
Web page:	www.magis-pharma.be

1.4 Emergency telephone number

Public utility foundation:	Belgisch Antigifcentrum	Centre Antipoisons Belge
Telephone:	(+32) (0)70 245 245	(Service 24/7)
Web page:	www.antigifcentrum.be	www.centreantipoisons.be

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance/mixture

Classification according to (EC) n° 1272/2008

Acute Tox. 4	H302
Skin Irrit. 2	H315
Eye Irrit. 2	H319
STOT SE 3	H335

2.2 Label elements

Labelling according to (EC) n° 1272/2008

Hazard pictogram(s):



Signal word(s): Attention

Hazard statements:

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H302	Harmful if swallowed.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
Precautionary statements:	
P261	Avoid breathing dust/fumes/gas/mist/vapours/spray.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P305+351+338	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).
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulation.
Additional applicable label elements:	Not applicable.

2.3 Other hazards

Not available.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Product name:	Chlorzoxazone
IUPAC name:	5-Chloro-3H-1,3-benzoxazol-2-one
Synonyms:	Paraflex Biomioran
N° CAS:	95-25-0
N° EC:	202-403-9
Molecular Formula:	C ₇ H ₄ ClNO ₂
Content:	98.0 per cent to 102.0 per cent (dried substance)

3.2 Mixtures

Not applicable.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General notes:	Take off immediately all contaminated clothing. Symptoms of poisoning may not appear until after many hours. For this reason, medical monitoring is necessary for at least 48 hours after an accident.
After inhalation:	Remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention.
After skin contact:	Immediately wash skin with soap and copious amounts of water for at least 15 minutes. If irritation persists, seek medical attention.

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After eye contact: Immediately flush eyes with copious amounts of water for at least 15 minutes. Seek medical advice.

After ingestion: If swallowed, wash out mouth with water, provided person is conscious. Seek medical advice.

4.2 Most important symptoms and effects, both acute and delayed

Not available.

4.3 Indication of any immediate medical attention and special treatment needed

Not available.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: Carbon dioxide, dry chemical powder or appropriate foam. Water spray.

Unsuitable extinguishing media: Not available.

5.2 Special hazards arising from the substance/mixture

Emits toxic fumes under fire conditions.

5.3 Advice for firefighters

Surrounding fires: Not available.

Protection against fire: Wear self-contained breathing apparatus and protective clothing to prevent contact with the skin and eyes.

Hazardous combustion products: Not available.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Not necessary.

For emergency responders

Not necessary.

6.2 Environmental precautions

No special precautions needed.

6.3 Methods and material for containment and cleaning up

Sweep-up/absorb in suitable material, place in a container and hold for disposal. Avoid raising dust. Ventilate area and wash spill site after pick-up complete.

6.4 Reference to other sections

For information on safe handling, see section 7. For information on individual protection measures, see section 8.

For information on disposal considerations, see section 13.

SECTION 7: HANDLING AND STORAGE

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7.1 Precautions for safe handling

Precautions for safe handling:	Provide good ventilation/exhaustion at the workplace.
Personal protection:	Not available.
Technical protective measures:	Provide good ventilation/exhaustion at the workplace.
Handling:	Not available.

7.2 Conditions for safe storage, including any incompatibilities

Storage:	Store in an airtight container. Store locked up.
Conditions for safe storage, including any incompatibilities:	Store cool and dry.
Storage – away from:	Not available.

7.3 Specific end use(s)

Active Pharmaceutical Ingredient or Excipient

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Not available.

8.2 Exposure controls

Appropriate engineering control

Keep away from food and drink. Take off immediately all contaminated clothing. Avoid contact with eyes and skin.

Individual protection measures

Eye/face protection: Tight-fitting safety goggles.

Skin protection: Wear suitable protective work clothing.

Hand protection: Safety 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 a suitable glove does not only depend on the material, but also on other quality characteristics and varies from manufacturer to manufacturer.

Penetration time of glove material: The exact penetration time can be found out by the manufacturer of the glove and has to be observed.

Respiratory protection: Respiratory filter device for short or low exposure; with intensive resp. long exposure use a self contained breathing apparatus from the surrounding air.

Thermal hazards: Not determined.

Environmental exposure control

Not available.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance:	White powder
Odour:	Characteristic
Odour threshold:	Not available.
pH:	Not available.
Melting/freezing point:	Between 189 °C and 194 °C
Initial boiling point:	Not available.
Boiling range:	Not available.
Flash point:	Not available.
Evaporation rate:	Not available.
Flammability (solid/gas):	The substance is not flammable.
Upper/lower flammability or explosive limits:	Not available.
Vapour pressure:	Not available.
Vapour density:	Not available.
Relative density:	Not available.
Solubility:	Soluble in solutions of alkali hydroxides and ammonia. Sparingly soluble in alcohol, in isopropyl alcohol, and in methanol.
Solubility in water:	Slightly soluble in water.
Partition coefficient (n-octanol/water):	Not available.
Auto-ignition temperature:	Not available.
Decomposition temperature:	Not available.
Viscosity:	Not available.
Explosive properties:	The substance is not explosive.
Oxidising properties:	Not available.

9.2 Other information

Not available.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

Not available.

10.2 Chemical stability

Thermal decomposition/conditions to be avoided: No decomposition if used as directed.

10.3 Possibility of hazardous reactions

Not available.

10.4 Conditions to avoid

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Not available.

10.5 Incompatible materials

Not available.

10.6 Hazardous decomposition products

Not available.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity:	Harmful if swallowed. LD50 (mouse): 3650 mg/kg i.v., 380 mg/kg i.p.
Skin corrosion/irritation:	Irritates the skin and mucous membranes. Causes skin irritation.
Serious eye damage/irritation:	Causes serious eye irritation.
Respiratory/skin sensitisation:	Based on available data; the classification criteria are not met.
Germ cell mutagenicity:	Based on available data; the classification criteria are not met.
Carcinogenicity:	Based on available data; the classification criteria are not met.
Reproductive toxicity:	Based on available data; the classification criteria are not met.
Summary of evaluation of the CMR properties:	Based on available data; the classification criteria are not met.
STOT-single exposure:	May cause respiratory irritation.
STOT-repeated exposure:	Based on available data; the classification criteria are not met.
Aspiration Hazard:	Based on available data; the classification criteria are not met.
Other:	Not available.

11.2 Additional information on potential adverse human health effects and symptoms

Eye contact:	Causes serious eye irritation.
Skin contact:	Causes skin irritation.
Inhalation:	May cause respiratory irritation. Irritates the mucous membranes.
Ingestion:	Harmful if swallowed.
Aspiration:	Not available.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Not available.

12.2 Persistence and degradability

Not available.

12.3 Bioaccumulative potential

Not available.

12.4 Mobility in soil

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Not available.

12.5 Results of PBT and vPvB assessment

Not applicable.

12.6 Other adverse effects

General information: Generally no water hazard.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Recommendation: Must not be disposed of together with household waste or end up in the sewage system.

Contaminated packaging: Recommendation: The packaging should be disposed of in accordance with the packaging regulation.

SECTION 14: TRANSPORT INFORMATION

Transport information according to ADR/RID/IMDG/ICAO/IATA

14.1 UN Number

ADR/ RID(Land),IMDG(Sea),
IATA/ICAO (Air) : Not classified.

14.2 UN proper shipping name

ADR/ RID(Land),IMDG(Sea),
IATA/ICAO (Air) : Not classified.

14.3 Transport hazard class(es)

ADR/ RID(Land),IMDG(Sea),
IATA/ICAO (Air) : Not classified.

14.4 Packing group

ADR/ RID(Land),IMDG(Sea),
IATA/ICAO (Air) : Not classified.

14.5 Environmental hazards

ADR/ RID(Land),IMDG(Sea),
IATA/ICAO (Air) : Not classified.

14.6 Special precautions for user

Not available.

14.7 Transport in bulk according to annex II of Marpol and the IBC Code

Not available.

14.8 Additional transport information

No hazard according to the above regulations.

SECTION 15: REGULATORY INFORMATION

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

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Hazard symbol:



Risk phrases:

R22 Harmful if swallowed

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

Safety phrases:

S1 Keep locked up.

S23 Do not breathe dust/fumes/gas/mist/vapours/spray.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out.

SECTION 16: OTHER INFORMATION

16.1 Changes since the previous version

Not applicable.

16.2 Abbreviations and acronyms used

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road
CAS:	Chemical Abstracts Service (division of the American Chemical Society)
EC (number):	European Community (number)
IATA:	International Air Transport Association
ICAO:	International Civil Aviation Organization
IMDG:	International Maritime Code for Dangerous Goods
IUPAC:	International Union of Pure and Applied Chemistry
PBT:	Persistent, Bioaccumulative and Toxic substance
RID:	Regulations Concerning the International Transport of Dangerous Goods by Rail
STOT:	Specific Target Organ Toxicity
UN (number):	United Nations (number)
vPvB:	very Persistent and very Bioaccumulative

16.3 Key literature references/sources for data

European Chemicals Agency.

<https://www.echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database/>

16.4 Method of classification in case of mixture

Not applicable.

16.5 Relevant Hazard statements and/or precautionary statements

For information on hazard and/or precautionary statements refer to section 2 up to and including section 15.

16.6 Training advisement

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Not available

16.7 Notice for user(s)

The information provided in this MSDS has been established in accordance with Commission Regulation (EU) 2015/830 of 28 May 2015, amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council, on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing the European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94, as well as Council Directive 76/769/EEC and Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC of the Commission.

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16.8 Department issuing MSDS

Quality Department

FAC SECUNDUM ARTEM NV

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