

济南康成医药科技有限公司
Jinan Kangcheng Pharmaceutical Technology Co.,Ltd.

Add:700 Shunfeng Road,Jinan Area,China(Shandong)Pilot Free Trade Zone,China.

Email:kc_sunlili@163.com Tel:0086-13165310761

SAFETY DATA SHEETS

According to Globally Harmonized System of Classification and Labelling of Chemicals (GHS) - Sixth revised edition.

Version::1.0

Creation Date:April 05, 2021

Revision Date:April 05, 2021

1.Chemical product and Company Identification

1.1 GHS Product identifier

Product Name: ethyl 6-bromo-4-[(dimethylamino)methyl]-5-hydroxy-1-methyl-2-(phenylsulfanylmethyl)indole-3-carboxylate,hydrochloride

1.2 Other means of identification

Product Number:

Other Names: Arbidol HCl

CAS No.: 131707-23-8

1.3 Recommended use of the chemical and restrictions on use:

Identified uses:For industry use only.

Uses advised against: no data available.

1.4 Supplier's details

Company Name:Jinan Kangcheng Phamarcuetical Technology Co.Ltd.

Address: 700 Shunfeng Road,Jinan Area,China(Shandong)Pilot Free Trade Zone,China.

Email:kc_sunlili@163.com

1.5 Emergency phone number

Emergency phone number:+86-13165310761

Service hours: Monday to Friday, 9am-5pm (Standard time zone: UTC/GMT +8 hours).

2. Hazard identification

2.1 Classification of the substance or mixture

GHS: Skin irritation,Category 2

Eye irritation,Category 2

2.2 GHS label elements, including precautionary statements

Pictogram(s):



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| | |
|-----------------------------|--|
| Signal word: | Warning. |
| Hazard statement(s): | H315 Causes skin irritation H319 Causes serious eye irritation |
| Precautionary statement(s): | |
| Prevention: | P264 Wash ... thoroughly after handling. P280 Wear protective gloves/protetive clothing/eye protection/face protection. |
| Response: | P302+P352 IF ON SKIN:Wash with plenty of water/... P321 Specific treatment(see... on this label). P332+P313 If skin irritation occurs:Get medical advice/attention. P362+P364 Take off contaminated clothing and wash it before reuse. P305+P351+P338 IF IN EYES:Rinse cautiously with water for several minutes.Remove contact lenses,if present and easy to do.Continue rinsing. P337+P313 If eye irritation persists:Get medical advice/attention. |
| Storage: | No data available |
| Disposal: | No data available |

2.3 Other hazards which do not result in classification

No data available.

3. Composition/information on ingredients

Chemical Name: ethyl 6-bromo-4-[(dimethylamino)methyl]-5-hydroxy-1-methyl-2-(phenylsulfanylmethyl)indole-3-carboxylate,hydrochloride.

Formula : C₂₂H₂₆BrCIN₂O₃S

Molecular Weight :513.88

| Common names and synonyms | CAS No. | INECS | Concentration |
|---|-------------|-------|---------------|
| ethyl 6-bromo-4-[(dimethylamino)methyl]-5-hydroxy-1-methyl-2-(phenylsulfanylmethyl)indole-3-carboxylate,hydrochloride | 131707-23-8 | N/A | 100% |

4. First-aid measures

4.1 Description of necessary first-aid measures

General advice:

Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled:

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact:

Wash off with soap and plenty of water. Consult a physician.

In case of eye contact:

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

4.2 Most important symptoms/effects, acute and delayed

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No data available

4.3 Indication of immediate medical attention and special treatment needed, if necessary

No data available

5. Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Specific hazards arising from the chemical

No data available

5.3 Special protective actions for fire-fighters

Wear self-contained breathing apparatus for firefighting if necessary.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. For personal protection see section 8.

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

6.3 Methods and materials for containment and cleaning up

Pick up and arrange disposal. Sweep up and shovel. Keep in suitable, closed containers for disposal.

7. Handling and storage

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Avoid exposure - obtain special instructions before use. Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

8. Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure limit values

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No data available

Biological limit values

No data available

8.2 Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

8.3 Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection

Safety glasses with side-shields conforming to EN166. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Wear impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique(without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Body Protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace

Respiratory protection

Wear dust mask when handling large quantities.

Thermal hazards

No data available

9. Physical and chemical propoties

| | |
|---|---------------------------------------|
| Physical state | White or off-white crystalline powder |
| Colour | No data available |
| Odour | No data available |
| Melting point/ freezing point | No data available |
| Boiling point or initial boiling point and boiling range | 591.8oC at 760 mmHg |
| Flammability | No data available |
| Lower and upper explosion limit / flammability limit | No data available |
| Flash point | No data available |
| Auto-ignition temperature | No data available |
| Decomposition temperature | No data available |

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| | |
|--|----------------------|
| Ph | No data available |
| Kinematic viscosity | No data available |
| Solubility | No data available |
| Partition coefficient n-octanol/water (log value) | No data available |
| Vapour pressure | 1.34E-14mmHg at 25°C |
| Density and/or relative density | No data available |
| Relative vapour density | No data available |
| Particle characteristics | No data available |

10. Stability and reactivity

10.1 Reactivity

No data available.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

No data available

10.5 Incompatible materials

No data available

10.6 Hazardous decomposition products

No data available

11. Toxicological information

11.1 Acute toxicity

Oral: no data available

Inhalation: no data available

Dermal: no data available

11.2 Skin corrosion/irritation

No data available

11.3 Serious eye damage/irritation

No data available

11.4 Respiratory or skin sensitization

No data available

11.5 Respiratory or skin sensitization

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No data available

11.6 Germ cell mutagenicity

No data available.

11.7 Carcinogenicity

No data available.

11.8 Reproductive toxicity

No data available.

11.9 STOT-single exposure

No data available.

11.10 STOT-repeated exposure

No data available.

11.11 Aspiration hazard

No data available.

12. Ecological information

12.1 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 microorganisms: 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 Other adverse effects

No data available

13. Disposal considerations

13.1 Disposal methods

Product

The material can be disposed of by removal to a licensed chemical destruction plant or by controlled incineration with flue gas scrubbing. Do not contaminate water, foodstuffs, feed or seed by storage or disposal. Do not discharge to sewer systems.

Contaminated packaging

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Containers can be triply rinsed (or equivalent) and offered for recycling or reconditioning. Alternatively, the packaging can be punctured to make it unusable for other purposes and then be disposed of in a sanitary landfill. Controlled incineration with flue gas scrubbing is possible for combustible packaging materials.

14. Transport information

14.1 UN Number

ADR/RID: no data available

IMDG: no data available

IATA: no data available

14.2 UN Proper Shipping Name

ADR/RID: no data available

IMDG: no data available

IATA: no data available

14.3 Transport hazard class(es)

ADR/RID: no data available

IMDG: no data available

IATA: no data available

14.4 Packing group, if applicable

ADR/RID: no data available

IMDG: no data available

IATA: no data available

14.5 Environmental hazards

ADR/RID: no

IMDG: no

IATA: no

14.6 Special precautions for user

No data available

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No data available

15. Regulatory information

15.1 Safety,health and environmental regulations specific for the product in quest

| Chemical name | Common names and synonyms | CAS number | EC number |
|---|---|------------|-------------|
| ethyl 6-bromo-4-[(dimethylamino)methyl]-5-hydroxy-1-methyl-2-(phenylsulfanylmethyl)indole-3-carboxylate,hydrochloride | ethyl 6-bromo-4-[(dimethylamino)methyl]-5-hydroxy-1-methyl-2-(phenylsulfanylmethyl)indole-3-carboxylate,hydrochloride | 13170-23-8 | none |
| European Inventory of Existing Commercial Chemical Substances (EINECS) | | | Not Listed. |
| EC Inventory | | | Not Listed. |
| United States Toxic Substances Control Act (TSCA) Inventory | | | Not Listed. |
| China Catalog of Hazardous chemicals 2015 | | | Not Listed. |
| New Zealand Inventory of Chemicals (NZIoC) | | | Not Listed. |
| Philippines Inventory of Chemicals and Chemical Substances (PICCS) | | | Not Listed. |
| Vietnam National Chemical Inventory | | | Not Listed. |

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Chinese Chemical Inventory of Existing Chemical Substances (China IECSC)

Not Listed.

15.2 Chemical Safety Assessment

For this product a chemical safety assessment was not carried out.

16. Other information

16.1 Information on revision

Creation Date April 05,2021

Revision Date April 05,2021

16.2 Abbreviations and acronyms

CAS: Chemical Abstracts Service

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

RID: Regulation concerning the International Carriage of Dangerous Goods by Rail

IMDG: International Maritime Dangerous Goods

IATA: International Air Transportation Association

TWA: Time Weighted Average

STEL: Short term exposure limit

LC50: Lethal Concentration 50%

LD50: Lethal Dose 50%

EC50: Effective Concentration 50%

16.3 References

IPCS - The International Chemical Safety Cards (ICSC), website: <http://www.ilo.org/dyn/icsc/showcard.home>

HSDB - Hazardous Substances Data Bank, website: <https://toxnet.nlm.nih.gov/newtoxnet/hsdb.htm>

IARC - International Agency for Research on Cancer, website: <http://www.iarc.fr/>

eChemPortal - The Global Portal to Information on Chemical Substances by OECD, website:

http://www.echemportal.org/echemportal/index?pageID=0&request_locale=en

CAMEO Chemicals, website: <http://cameochemicals.noaa.gov/search/simple>

ChemIDplus, website: <http://chem.sis.nlm.nih.gov/chemidplus/chemidlite.jsp>

ERG - Emergency Response Guidebook by U.S. Department of Transportation, website:

<http://www.phmsa.dot.gov/hazmat/library/erg>

Germany GESTIS-database on hazard substance, website: <http://www.dguv.de/ifa/gestis/gestis-stoffdatenbank/index-2.jsp>

ECHA - European Chemicals Agency, website: <https://echa.europa.eu/>

Disclaimer: The above information 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

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regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. We as supplier shall not be held liable for any damage resulting from handling or from contact with the above product.