

Safety Data Sheet

Issuing date no data available

Revision Date 13-Jul-2015

Version 2

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

1.1 Product identifier

Product Code(s) AB143008
Product name Doxercalciferol (Hectorol)

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

Recommended use For research use only
Uses advised against No information available

1.3 Details of the supplier of the safety data sheet

Supplier

Abcam plc
330 Cambridge Science Park
Cambridge
CB4 0FL
UK
Tel: +44 (0)1223 696000
Fax: +44 (0)1223 215215

For further information, please contact: technical@abcam.com

1.4 Emergency telephone number

Emergency telephone - Tel: +44 (0)1223 696000 (08.00-17.00)

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

GHS / CLP - REGULATION (EC) No 1272/2008

Acute oral toxicity

Category 1

2.2 Label elements

**Signal Word**

Danger

Hazard statements

H300 - Fatal if swallowed

Precautionary Statements - EU (§28, 1272/2008)

P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician

P264 - Wash face, hands and any exposed skin thoroughly after handling

P270 - Do not eat, drink or smoke when using this product

P330 - Rinse mouth

P501 - Dispose of contents/ container to an approved waste disposal plant

P405 - Store locked up

2.3 Other information

Caution - substance not yet tested completely

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

| Chemical Name | EC-No | CAS-No | Weight % | Classification (Reg. 1272/2008) | REACH Registration Number |
|-----------------|-------|------------|----------|---------------------------------|---------------------------|
| Doxercalciferol | - | 54573-75-0 | 100 | Acute Tox. 1 (H300) | no data available |

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

4. FIRST AID MEASURES

4.1 Description of first aid measures

| | |
|-----------------------------------|---|
| General advice | Immediate medical attention is required. |
| Eye contact | Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. |
| Skin contact | Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. |
| Ingestion | Rinse mouth. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately. |
| Inhalation | Move to fresh air. |
| Protection of first-aiders | Use personal protective equipment. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. |

4.2 Most important symptoms and effects, both acute and delayed

Main symptoms No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Extinguishing media which shall not be used for safety reasons

No information available.

5.2 Special hazards arising from the substance or mixture

Special hazard

Thermal decomposition can lead to release of toxic and corrosive gases/vapors.

5.3 Advice for fire-fighters

Special protective equipment for fire-fighters

Wear self-contained breathing apparatus and protective suit.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid contact with the skin and the eyes. Avoid dust formation. Ensure adequate ventilation. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

Refer to protective measures listed in sections 7 and 8.

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so.

6.3 Methods and materials for containment and cleaning up

Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/national regulations (see Section 13).

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Avoid dust formation. Use only in area provided with appropriate exhaust ventilation. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing before re-use.

7.2 Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep in properly labeled containers.

7.3 Specific end uses

| | |
|-------------------|---------------------------|
| Specific use(s) | No information available. |
| Exposure scenario | No information available. |

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1 Control parameters**

Exposure limits National occupational exposure limits

Derived No Effect Level No information available

Predicted No Effect Concentration No information available

8.2 Exposure controls

Engineering measures Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

| | |
|---------------------------------|---|
| Eye protection | Safety glasses with side-shields. |
| Hand protection | Impervious gloves. |
| Skin and body protection | Impervious clothing. |
| Respiratory protection | No special protective equipment required. |
| Thermal hazards | No information available |

Hygiene measures When using, do not eat, drink or smoke. Remove and wash contaminated clothing before re-use. Provide regular cleaning of equipment, work area and clothing. Wash hands before breaks and immediately after handling the product. Keep away from food, drink and animal feeding stuffs.

Environmental exposure controls Do not allow material to contaminate ground water system.

9. PHYSICAL AND CHEMICAL PROPERTIES**9.1 Information on basic physical and chemical properties**

| | | | |
|-----------------------------|--------------------------|-------------------|--------------------------|
| Physical State @20°C | No information available | Appearance | No information available |
| Odor | No information available | | |

| <u>Property</u> | <u>Values</u> | <u>Note</u> |
|---|----------------------------|-------------|
| pH | No information available | |
| Melting/freezing point | No information available | |
| Boiling point/boiling range | No information available | |
| Flash Point | No information available | |
| Evaporation rate | No information available | |
| Flammability (solid, gas) | No information available | |
| Flammability Limits in Air | | |
| upper flammability limit | | |
| lower flammability limit | | |
| Vapor pressure | No information available | |
| Vapor density | No information available | |
| Relative density | No information available | |
| Water solubility | No information available | |
| Solubility in other solvents | Ethanol, Dimethylsulfoxide | |
| Partition coefficient: n-octanol/water | No information available | |

| | |
|----------------------------------|--------------------------|
| Autoignition temperature | No information available |
| Decomposition temperature | No information available |
| Viscosity, kinematic | No information available |
| Explosive properties | No information available |

9.2 Other information

| | |
|-----------------------|--------------------------|
| VOC Content(%) | No information available |
|-----------------------|--------------------------|

10. STABILITY AND REACTIVITY

10.1 Reactivity

No information available.

10.2 Chemical stability

Stable under normal conditions.

10.3 Precautionary Statements

None under normal processing.

10.4 Conditions to avoid

Heat, flames and sparks

10.5 Incompatible materials

None in particular

10.6 Hazardous decomposition products

Carbon monoxide (CO). Carbon dioxide (CO₂).

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects**Acute toxicity**

Product Information Very toxic if swallowed.

Inhalation

There is no data available for this product.

Eye contact

There is no data available for this product.

Skin contact

There is no data available for this product.

Ingestion

Very toxic if swallowed.

| Chemical Name | LD50 Oral | LD50 Dermal | LC50 Inhalation |
|-----------------|-----------------|-------------|-----------------|
| Doxercalciferol | 3.5 mg/kg (Rat) | | |

Chronic toxicity**Corrosivity**

No information available.

Sensitization

No information available.

| | |
|------------------------------|---------------------------|
| Neurological effects | No information available. |
| Reproductive toxicity | No information available. |
| Mutagenic effects | No information available. |
| Target Organ Effects | No information available. |

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Ecotoxicity effects As supplied, the preparation is not expected to present significant adverse environmental effects.

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

No information available.

12.6 Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Waste from residues / unused products Dispose of in accordance with local regulations.

Contaminated packaging Empty containers should be taken to an approved waste handling site for recycling or disposal.

Other information According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used.

14. TRANSPORT INFORMATION

| | |
|-----------------------------|--|
| ADR | Excepted Quantity |
| Proper shipping name | Toxic solid, organic, n.o.s. (Doxercalciferol) |

| | |
|-----------------------------|--|
| Hazard class | 6.1 |
| UN/ID No | 2811 |
| Packing group | I |
| IATA | |
| | Excepted Quantity |
| UN/ID No | 2811 |
| Proper shipping name | Toxic solid, organic, n.o.s. (Doxercalciferol) |
| Hazard class | 6.1 |
| Packing group | I |
| DOT | |
| | Excepted Quantity |
| Proper shipping name | Toxic solid, organic, n.o.s. (Doxercalciferol) |
| Hazard class | 6.1 |
| UN/ID No | 2811 |
| Packing group | I |

15. REGULATORY INFORMATION

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

No information available.

15.2 Chemical Safety Assessment

No information available.

16. OTHER INFORMATION

Full text of H-Statements referred to under sections 2 and 3

H300 - Fatal if swallowed

Hazard statements

H300 - Fatal if swallowed

Revision Date 13-Jul-2015

Revision Note not applicable.

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

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of SDS