Safety Data Sheet

www.glentham.com

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name : Gadolinium oxide, 99.99%
Product code : GX2903
CAS number : 12064-62-9

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

PC21: Laboratory chemicals.

1.3 Details of the supplier of the safety data sheet

Company name : Glentham Life Sciences Ltd
Unit 5 Leafield Way
Corsham SN13 9SW
United Kingdom

Telephone : +44 (0) 1225 667 798
Fax : +44 (0) 2033 978 909
Email : info@glentham.com
Web : www.glentham.com

1.4 Emergency telephone number

Emergency telephone number: +44 (0) 1225 667 798 (09.00 – 17.00 GMT)

1.5 REACH

A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.

2. Hazards identification

2.1 Classification of the substance or mixture

Classification under CLP

Eye Irrit. 2.

2.2 Label elements

Label elements under CLP

Pictograms



Signal words Warning

Hazard statements

H319 Causes serious eye irritation.

Precautionary statements

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

2.3 Other hazards

PBT

This substance is not identified as a PBT substance.

3.0 Composition/information on ingredients

3.1 Substances

Product name : Gadolinium oxide, 99.99% MW: 362.50
CAS number : 12064-62-9 MF : Gd_2O_3

4.0 First aid measures

4.1 Description of first aid measures

Skin contact

Wash immediately with plenty of soap and water. Remove all contaminated clothes and footwear immediately unless stuck to skin.

Eye contact

Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.

Ingestion

Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Consult a doctor.

Inhalation

4.2 Most important symptoms and effects, both acute and delayed

Skin contact

There may be mild irritation at the site of contact.

Eye contact

There may be pain and redness. There may be severe pain. The eyes may water profusely. The vision may become blurred. May cause permanent damage.

Ingestion

There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.

Inhalation

There may be irritation of the throat with a feeling of tightness in the chest.

Delayed / immediate effects

Immediate effects can be expected after short-term exposure.

4.3 Indication of any immediate medical attention and special treatment needed

Immediate / special treatment

Eye bathing equipment should be available on the premises.

5.0 Fire-fighting measures

5.1 Extinguishing media

Use water spray to cool containers. Suitable extinguishing media for the surrounding fire should be used.

5.2 Special hazards arising from the substance or mixture

Exposure hazards

In combustion emits toxic fumes.

5.3 Advice for fire-fighters

Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

6.0 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions

Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not attempt to take action without suitable protective clothing - see section 8 of SDS. Do not create dust.

6.2 Environmental precautions

Do not discharge into drains or rivers.

6.3 Methods and material for containment and cleaning up

Clean-up procedures

Transfer to a closable, labelled salvage container for disposal by an appropriate method.

6.3 Reference to other sections

Refer to section 8 of SDS.

7.0 Handling and storage

7.1 Precautions for safe handling

Handling requirements

Ensure there is sufficient ventilation of the area. Avoid the formation or spread of dust in the air. Avoid direct contact with the substance.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions

Store in cool, well ventilated area. Keep container tightly closed. Avoid contact with water or humidity.

7.3 Specific end use(s)

No data available.

8.0 Exposure controls/personal protection

8.1 Control parameters

Workplace exposure limits

Not applicable.

8.2 Exposure controls

Engineering measures

Ensure there is sufficient ventilation of the area.

Respiratory protection

Respiratory protective device with particle filter. Self- contained breathing apparatus must be available in case of emergency.

Hand protection

Protective gloves.

Eye protection

Tightly fitting safety goggles. Ensure eye bath is to hand.

Skin protection

Protective clothing.

9.0 Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical Form:

Colour:

9.2 Other information

Not applicable.

10.0 Stability and reactivity

10.1 Reactivity

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

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.

10.5 Incompatible materials

Materials to avoid

Strong acids. Strong oxidising agents.

11.0 Toxicological information

11.1 Information on toxicological effects

Toxicity values

Not applicable.

11.2 Information on toxicological effects

Skin contact

There may be mild irritation at the site of contact.

Eye contact

There may be pain and redness. There may be severe pain. The eyes may water profusely. The vision may become blurred. May cause permanent damage.

Ingestion

There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.

Inhalation

There may be irritation of the throat with a feeling of tightness in the chest.

Delayed / immediate effects

Immediate effects can be expected after short-term exposure.

Other information

12.0 Ecological information

12.1 Toxicity

Not applicable.

12.2 Persistence and degradability

Biodegradable.

12.3 Bioaccumulative potential

No bioaccumulation potential.

12.4 Mobility in soil

Readily absorbed into soil. No data available.

12.5 Results of PBT and vPvB assessment

This substance is not identified as a PBT substance.

12.6 Endocrine disrupting properties

Negligible ecotoxicity.

13.0 Disposal considerations

13.1 Waste treatment methods

Disposal operations

Transfer to a suitable container and arrange for collection by specialised disposal company.

NB

The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

14.0 Transport information

This product does not require a classification for transport.

15.0 Regulatory information

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

Not applicable.

Chemical Safety Assessment

A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

16.0 Other information

Other information

This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

Legal 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. This company shall not be held liable for any damage resulting from handling or from contact with the above product.