

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

1.1 Product identifier

Product name : Zinc powder, 325 mesh, 98%
Product code : GX8712
CAS number : 7440-66-6
EINECS : 231-175-3

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	Telephone	: +44 (0) 1225 667 798
	: Unit 5 Leaffield Way	Fax	: +44 (0) 2033 978 909
	: Corsham SN13 9SW	Email	: info@glentham.com
	: United Kingdom	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

Pyr. Sol. 1, Water-react. 1, Aquatic Acute 1, Aquatic Chronic 1.

2.2 Label elements

Label elements under CLP

Pictograms



Signal words

Danger

Hazard statements

H250

Catches fire spontaneously if exposed to air.

H260

In contact with water releases flammable gases which may ignite spontaneously.

H410

Very toxic to aquatic life with long lasting effects.

Precautionary statements

P222

Do not allow contact with air.

P223

Keep away from any possible contact with water, because of violent reaction and possible flash fire.

P273

Avoid release to the environment.

P231 + P232

Handle under inert gas. Protect from moisture.

P370 + P378

In case of fire: Use ... for extinction.

P422

Store contents under ...

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	: Zinc powder, 325 mesh, 98%	MW: 65.39
CAS number	: 7440-66-6	MF : Zn
EINECS	: 231-175-3	

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. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin.

Eye contact

Bathe the eye with running water for 15 minutes. Consult a doctor.

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

Consult a doctor. Remove casualty from exposure ensuring one's own safety whilst doing so.

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 irritation and redness.

Ingestion

There may be irritation of the throat.

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. Delayed effects can be expected after long-term exposure.

4.3 Indication of any immediate medical attention and special treatment needed

Immediate / special treatment

Not applicable.

5.0 Fire-fighting measures

5.1 Extinguishing media

Water spray. Carbon dioxide. Alcohol resistant foam. Dry chemical powder. Suitable extinguishing media for the surrounding fire should be used.

5.2 Special hazards arising from the substance or mixture

Exposure hazards

Highly flammable. May form flammable / explosive dust-air mixture. 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

Refer to section 8 of SDS for personal protection details. Notify the police and fire brigade immediately. Eliminate all sources of ignition. Mark out the contaminated area with signs and prevent access to unauthorised personnel.

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. Do not use equipment in clean-up procedure which may produce sparks.

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. Smoking is forbidden. Use non-sparking tools.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions

Store in cool, well ventilated area. Keep away from sources of ignition. Keep container tightly closed. Avoid contact with water or humidity. Prevent the build up of electrostatic charge in the immediate area. Ensure lighting and electrical equipment are not a source of ignition.

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. Ensure lighting and electrical equipment are not a source of ignition. Not applicable.

Respiratory protection

Respiratory protective device with particle filter.

Hand protection

Protective gloves.

Eye protection

Safety glasses. 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. Stable at room temperature.

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. Hot surfaces. Sources of ignition. Flames.

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 irritation and redness.

Ingestion

There may be irritation of the throat.

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. Delayed effects can be expected after long-term exposure.

Other information**12.0 Ecological information****12.1 Toxicity**

Not applicable.

12.2 Persistence and degradability

Not biodegradable. Biodegradable.

12.3 Bioaccumulative potential

No bioaccumulation potential. Bioaccumulation potential.

12.4 Mobility in soil

Readily absorbed into soil.

12.5 Results of PBT and vPvB assessment

This substance is not identified as a PBT substance.

12.6 Endocrine disrupting properties

Negligible ecotoxicity. Toxic to aquatic organisms.

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**14.1 UN number**

UN1436

14.2 UN proper shipping name

Zinc powder

14.3 Transport hazard class(es)

4.3 (4.2)

14.4 Packing group

II

14.5 Environmental hazards

N/A

14.6 Special precautions for user

No special precautions.

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.