Guest Medical

SAFETY DATA SHEET

Mercury Absorbent Powder

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name	Mercury Absorbent Powder
Product code	H9512, H9513, H9513/2, H9513/G

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

Identified uses	For absorption and amalgamation of spilt mercury
Use descriptors	Spill absorption
Uses advised against	None known

1.3. Details of the supplier of the safety data sheet

Company and address	Guest Medical Limited Unit A6, Larkfield Trading Estate, New Hythe Lane, Aylesford. Kent. ME20 6SW T: +44(0) 1622 791895, (Hours 09:00- 17:00 Mon to Fri)
E-mail	technical@guest-medical.co.uk
SDS Version	1.0
Revision date	05/01/2023

1.4. Emergency telephone number

Contact The National Poisons Information Service (dial 111, 24h service).

See Section 4 “First Aid Measures”

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Acute Tox. 4; H332, Harmful if inhaled.

STOT RE 2; H373, May cause damage to organs through prolonged or repeated exposure.

2.2. Label elements

Hazard Pictogram(s)

Signal word

Warning

Hazard statement(s)

H332, Harmful if inhaled.

H373, May cause damage to organs through prolonged or repeated exposure.

Safety statement(s)

General

P101, If medical advice is needed, have product container or label at hand.

P102, Keep out of reach of children.

Prevention

P260, Do not breathe dust/fume/gas/mist/vapours/spray.

Response

P314, Get medical advice/attention if you feel unwell.

Storage

P402+ P233, Store in a dry place. Keep container tightly closed.

Disposal

P501, Dispose of contents/container in accordance with local, state or national regulation.

Hazardous substances

Disodium dihydrogen ethylenediaminetetraacetate.

Additional labelling

Not applicable.

2.3 Other hazards

Additional warnings

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB. This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable. This product is a mixture.

3.2. Mixtures

Product / substance	Identifiers	% w / w	Classification	Notes
Sodium thiosulphate	CAS No: 7772-98-7 EC No: 231-867-5	80-90%	Not classified	None
Disodium dihydrogen ethylenediaminetetraacetate	CAS No: 139-33-3 EC No: 205-358-3	10-20%	Acute Tox. 4, H332 STOT RE 2, H373	Hazard Pictograms: GHS07 GHS08

Product / substance	CAS No.	Specific Concentration Limit	ATE
Disodium dihydrogen ethylenediaminetetraacetate	139-33-3		Acute Tox. 4 (H335): 1.500

Contains no non-classified vPvB substances or substances with a Union workplace exposure limit.
See full text H-phrases in Section 16. Occupational exposure limits are listed in Section 8, if available.

SECTION 4: First aid measures

4.1 Description of first aid measures

Inhalation

After inhalation, move affected person to fresh air. Call a POISON CENTRE/doctor if you feel unwell.

Ingestion

If the person is conscious, give them water. Get medical advice/attention if you feel unwell.

Skin contact

In case of skin contact: Immediately remove all contaminated clothing. Rinse skin with water. Get medical advice/attention if you feel unwell.

Eye contact

After eye contact: Remove contact lenses. Flush eyes with water as a precaution. Get medical advice/attention if you feel unwell.

4.2 Most important symptoms and effects, both acute and delayed

Treat symptomatically.

4.3 Indication of any immediate medical attention and special treatment needed

Call a POISON CENTRE/doctor if you feel unwell. Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

As appropriate for surrounding fire.

Unsuitable extinguishing media

None.

5.2. Special hazards arising from the substance or mixture

Sodium oxides, Sulphur oxides.
May decompose in a fire giving off toxic fumes.

5.3. Advice for firefighters

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

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective clothing as described in Section 8 of this safety data sheet. Ensure adequate ventilation. Avoid dust generation. Avoid inhalation of dust.

6.2. Environmental precautions

Do not let product enter into drains. The material and its container must be disposed of in a safe way.

6.3. Methods and material for containment and cleaning up

Collect spills carefully and place in suitable closed containers for disposal. Sweep up dry. Avoid generation and spreading of dust. Clean up affected area.

6.4. Reference to other sections

See Section 8 “Exposure controls / personal protection” for protective measures

See Section 13 “Disposal considerations” on handling of waste.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid breathing dust/fume/gas/mist/vapours/spray. Use in a well-ventilated area.
See section 8 “Exposure controls/personal protection” for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Containers that have been opened must be tightly closed.
Recommended storage material

Keep only in original packaging.

Storage temperature

Ambient temperature and humidity, in original packaging securely closed. Keep in a dry place.

Incompatible materials

Do not store near acids.
Under normal conditions of storage and use, no hazardous reactions will occur.

Specific end use(s)

This product should only be used for applications quoted in Section 1.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No substances are listed in the national list of substances with an occupational exposure limit.

DNEL

No data available

PNEC

No data available

8.2. Exposure controls

Appropriate engineering controls

Use with ventilation, local exhaust ventilation or breathing protection.

Measures to avoid environmental exposure

Avoid release to the environment

Individual protection measures, such as personal protective equipment

Generally

Use only UKCA marked protective equipment.

Respiratory protection

Type	Class	Colour	Standards	
Respirator with dust filter type P1	Not specified.	Not specified.	EN143, EN405.	

Skin protection

Material	Glove thickness (mm)	Breakthrough time (min)	Standards	
Wear protective clothing and impervious gloves.	As specified for glove type specified through individual use risk assessment.	As specified for glove type specified through individual use risk assessment.	EN374	

Eye / face protection

Type	Standards	
Wear eye protection with side protection.	EN166. As determined by specific, an in-use risk assessment. Under normal domestic and professional use, standard safety spectacles are adequate.	

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Physical state	Powder
Colour	White
Odour	Odourless
Melting point / freezing point (°C)	Not known
Boiling point (°C)	Not known
Flammability (°C)	Not known
Lower and Upper explosion limit (% v/v)	Not applicable
Flash point (°C)	Not applicable
Auto-ignition temperature (°C)	Not applicable
Decomposition temperature (°C)	Not known
pH	4.0- 5.5 at 10 g/l at 20°C
Kinematic viscosity	Not applicable
Solubility	Freely soluble in water
Partition coefficient	Not applicable
Vapour pressure	Not applicable
Density and / or relative density	Not applicable
Relative vapour density	Does not apply to solids
Particle characteristics	Not known

9.2. Other information

Evaporation rate (*n-butylacetate* = 100)	Not applicable
Other physical and chemical properties	No data available

SECTION 10: Stability and Reactivity

10.1. Reactivity

None anticipated.

10.2. Chemical Stability

The product is stable under the conditions, noted in section 7 “Handling and storage”.

10.3. Possibility of hazardous reactions

Risk of explosion in contact with: nitrates, nitrites, peroxi compounds, strong oxidising agents.

Violent reactions possible with: fluorine, acids.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

No data available.

10.6. Hazardous decomposition products

In the event of fire, see Section 5.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008 as retained and amended in UK law

Acute toxicity

Harmful if inhaled.

Skin corrosion / irritation

Based on available data, the classification criteria are not met.

Serious eye damage

Based on available data, the classification criteria are not met.

Respiratory sensitisation

Based on available data, the classification criteria are not met.

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.

STOT – single exposure

Based on available data, the classification criteria are not met.

STOT – repeated exposure

May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard

Based on available data, the classification criteria are not met.

11.2 Information on other hazards

Long term effects

Not known. Hazardous properties cannot be excluded but are unlikely when the product is handled appropriately.

Endocrine disrupting properties

None known.

Other information

None known

SECTION 12: Ecological information

12.1. Toxicity

Aquatic invertebrates	Low toxicity to invertebrates
Fish	Low toxicity to fish
Algae	Low toxicity to algae
Sediment Compartment	Not classified
Terrestrial Compartment	Not classified

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. Results of PBT and vPvB assessment

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

12.6. Endocrine disrupting properties

None known.

12.7. Other adverse effects

Discharge into the environment should be avoided.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Dispose of contents in accordance with local, state or national legislation. Dispose of the material and its container to hazardous or special waste collection point. Dispose at suitable refuse site.

Specific labelling
Not applicable.

Contaminated Packaging

Packaging containing residues of the product must be disposed of similarly to the product. Dispose of as unused product.

SECTION 14: Transport information

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 Packing group	14.5 Environmental hazards	Other information
	Not applicable	Not applicable	Not applicable	Not applicable	Not classified as a marine pollutant	None

14.6 Special precautions for user

Not applicable.

14.7 Transport in bulk according to IMO instruments

No data available.

SECTION 15: Regulatory information

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

Restrictions for application
None listed.

Restriction on use
Not listed.

National regulations
Not listed.

Sources
Community Rolling Action Plan (CoRAP) Regulation (EU) No 2019/1021 of the European Parliament and of the Council on persistent organic pollutants.
Regulation (EC) No 1005/2009 on substances that deplete the ozone layer.
Regulation (EU) No 649/2012 of the European Parliament and of the Council concerning the export and import of hazardous chemicals.
Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP) as retained and amended in UK law.

Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as retained and amended in UK law.

15.2. Chemical safety assessment

No

SECTION 16: Other information

General information

Revision date 05.01.2023

Revision 1.0

Indication of changes

N/A

Full text of H-phrases as mentioned in Section 3

Acute Tox. 4: Acute toxicity, Category 4.
STOT RE 2: Specific target organ toxicity – repeated exposure, Category 2.
H332, Harmful if inhaled.
H373, May cause damage to organs through prolonged or repeated exposure.

Abbreviations and acronyms

ATE = Acute Toxicity Estimate.
CAS = Chemical Abstracts Service
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
DNEL = Derived No Effect Level
EC = European Community
EINECS = European Inventory of Existing Commercial chemical Substances
LTEL = Long term exposure limit
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. (Marpol = marine pollution)
PBT = Persistent, Bioaccumulative and Toxic
PNEC = Predicted No Effect Concentration
REACH = Registration, Evaluation, Authorisation and Restriction of Chemical Substances
STEL = Short term exposure limit
STOT = Specific Target Organ Toxicity
vPvB = Very Persistent and Very Bioaccumulative

Additional Information

The classification of the substance/mixture in regard of health hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

The classification of the substance/mixture in regard of environmental hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

This 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. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.