



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 for use with Mercury Spill Kit, Code H9512

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

Identified uses For the absorption of, and amalgamation with, spilt Mercury as part of the Mercury Spill Kit.

1.3. Details of the supplier of the safety data sheet

Supplier 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)
F: +44(0) 1622 716309
enquiries@guest-medical.co.uk

Emergency telephone number: +44 (0) 1622 791 895 (English language service only.)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to regulation (EC) No 1272/2008

Eye Irrit. 2 - H319

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

Classification according to EU Directives 67/548/EEC or 1999/45/EC

Xi; Irritant R36

For the full text of R – Statements mentioned in this section, see Section 16

2.2. Label elements

Pictogram



Signal word Warning

Hazard statements

H319 Causes serious eye irritation.

Precautionary statements

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 none

Mercury Absorbent Powder**SECTION 3: Composition/information on ingredients****3.2. Mixtures**

SODIUM THIOSULPHATE	90 - 95%
CAS number: 7772-98-7 EC number: 231-867-5	
Classification Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008	Classification (67/548/EEC or 1999/45/EC) Not classified as dangerous
ETHYLENE DAIMINE-TETRA-ACETIC ACID	5 - 7%
CAS number: 60-00-4 EC number: 200-449-4	
Classification Eye Irrit. 2 H319	Classification (67/548/EEC or 1999/45/EC) Xi; R36

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures**4.1. Description of first aid measures****General Advice**

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

Inhalation

Move affected person to fresh air. If not breathing give artificial respiration. Consult a physician.

Ingestion

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Skin contact

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

Eye contact

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

4.2. Most important symptoms and effects, both acute and delayed. See section 2.2 and 11

4.3. Indication of any immediate medical attention and special treatment needed. No data available.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

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

5.2. Special hazards arising from the substance or mixture

Carbon oxides, Nitrogen oxides (NO_x)

5.3. Advice for firefighters

Wear self-contained breathing apparatus for fire fighting if necessary.

SECTION 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. Avoid breathing dust. For personal protection see section 8.

6.2. Environmental precautions

Do not let product enter drains

6.3. Methods and material for containment and cleaning up**Methods for cleaning up**

Collect and place in suitable closed containers for disposal. Sweep up and shovel. Avoid generation and spreading of dust.

6.4. Reference to other sections

Mercury Absorbent Powder

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. 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 well-ventilated place.

7.3. Specific end use(s)

None specified

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Contains no substances with occupational exposure limit values

8.2 Exposure controls

Protective equipment



Appropriate engineering controls

No specific ventilation requirements. Handle in accordance with good industrial hygiene & safety practice.

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

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. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands afterwards. The selected protective gloves must satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Body protection

Wear impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the product at the specific workplace.

Respiratory protection

For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Environmental exposure controls

Do not allow undiluted product to enter drains.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Powder
Colour	White.
Odour	Odourless
pH	2.5 at 10 g/l at 23 ⁰ C
Melting point	250 ⁰ C
Flash point	No data available.
Solubility(ies)	Soluble in water – 0.4 g/l at 20 ⁰ C
Oxidising properties	No data available.

9.2. Other information

Dissociation constant 8.85 – 10.44 at 20⁰C.

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SECTION 10: Stability and reactivity

10.1. Reactivity

No data available.

10.2. Chemical stability

Stability

Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

No data available.

10.5. Incompatible materials

Materials to avoid

Strong oxidizing agents.

10.6. Hazardous decomposition products

No data available. In the event of fire: see section 5.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects - Toxicological information of the active ingredient troclosen sodium

Acute toxicity - LD50 Oral – rat – male and female – 4,500 mg/kg

Inhalation – Does not cause respiratory system irritation.

Ingestion – no data available.

Skin contact - Skin irritation should not occur when used as recommended.

Eye contact - Irritating to eyes.

Germ Cell mutagenicity - No data available.

Carcinogenicity – IARC No component of his product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Additional information

RTECS: AH4025000

To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

SECTION 12: Ecological Information

Ecotoxicity.

12.1. Toxicity

Toxicity to fish - static test LC50 – Lepomis macrochirus (Bluegill sunfish) – 41 mg/l – 96 h

Toxicity to daphnia and other aquatic invertebrates. Static test EC50 – Daphnia magna (water flea) 625 mg/l - 48 h

12.2. Persistence and degradability

There are no data on the degradability of this product.

12.3. Bioaccumulative potential

Bioaccumulation Lepomis macrochirus – 28 d – 80 µg/l.

Bioconcentration factor (BCF): 1.8

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

PBT or vPvB assessment no available as chemical safety assessment not required.

12.6. Other adverse effects –

May be harmful to aquatic organisms due to the shift of the pH. Avoid release to the environment.

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SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information

Offer surplus and non-recyclable solutions to a licensed disposal company. Dispose or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging

Dispose of as unused product.

SECTION 14: Transport information

14.1. UN number

ADR/RID: -

IMDG: -

IATA: -

14.2. UN proper shipping name

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

14.3. Transport hazard class(es)

ADR/RID: -

IMDG: -

IATA: -

14.4. Packing group

ADR/RID: -

IMDG: -

IATA: -

14.5. Environmental hazards

ADR/RID: no

IMDG: marine pollutant: no

IATA: - no

14.6. Special precautions for user

No data available

SECTION 15: Regulatory information

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

National regulations

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).

EU legislation

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended). Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

Guidance

Workplace Exposure Limits EH40. CHIP for everyone HSG228. Approved Classification and Labelling Guide (Sixth edition) L131. Safety Data Sheets for Substances and Preparations.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

General information

Revision date	19. 05. 2015
Revision	2
Supersedes date	22. 09.2005
SDS number	12771

Mercury Absorbent Powder

Risk phrases referred to in section 2 and 3 in full

Xi: Irritant.

R36 Irritating to eyes.

Hazard statements referred to in section 2 and 3 in full

Eye Irrit. Eye irritation

H319 Causes serious eye irritation.

Disclaimer

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.