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

1.1. Product identifier

9002128 9002129 9002130 Amalgam Capsules Non-Gamma 2, I, II, III Spill

CAS No: 7439-97-6
Index No: 080-001-00-0
EC No: 231-106-7

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

1.3. Details of the supplier of the safety data sheet

Henry Schein Inc
Melville NY 11747 USA

Authorized representative:
Henry Schein UK Holdings Ltd
Gillingham ME8 0SB

Emergency #: Chemtrec US (800) 424-9300
International: 001 703-527-3887
Email: cbdeurope@henryschein.de

Further Information

pre-dosed PE-pillows for automatic activation.
Diameter: 9.5 +/- 0.25 mm
Upper foil thickness: 50 µm +/- 10 %
Lower foil thickness: Depends on amount of mercury contained in pillow.
  - up to ca. 300 mg HG: ca. 50 µm +/- 10 %
  - up to ca. 400 mg HG: ca. 60 µm +/- 10 %
  - up to ca. 700 mg HG: ca. 70 µm +/- 10 %
  - more than ca. 700 mg HG: ca. 80 µm +/- 10 %

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Indications of danger: R2 - Repr. Cat. 2, T+ - Very toxic, T - Toxic, N - Dangerous for the environment
R phrases:
May cause harm to the unborn child.
Very toxic by inhalation.
Toxic: danger of serious damage to health by prolonged exposure through inhalation.
Very toxic to aquatic organisms.
May cause long-term adverse effects in the aquatic environment.

GHS classification

Hazard categories:
Reproductive toxicity: Repr. 1B
Acute toxicity: Acute Tox. 2
Specific target organ toxicity - repeated exposure: STOT RE 1
Hazardous to the aquatic environment: Aquatic Acute 1
Hazardous to the aquatic environment: Aquatic Chronic 1
Hazard Statements:
May damage the unborn child.
Fatal if inhaled.
Causes damage to organs through prolonged or repeated exposure.
Very toxic to aquatic life.
Very toxic to aquatic life with long lasting effects.

2.2. Label elements

Signal word: Danger
Pictograms: GHS06-GHS08-GHS09
Safety Data Sheet

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Hazard statements
- Fatal if inhaled.
- May damage the unborn child.
- Causes damage to organs through prolonged or repeated exposure.
- Very toxic to aquatic life with long lasting effects.

Precautionary statements
- Obtain special instructions before use.
- Avoid release to the environment.
- Use personal protective equipment as required.
- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician. Store in a well-ventilated place. Keep container tightly closed.

SECTION 3: Composition/information on ingredients

3.1. Substances
- Sum formula: Hg

Hazardous components

<table>
<thead>
<tr>
<th>EC No</th>
<th>Chemical name</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Sum formula: Hg</td>
<td>99,9 %</td>
</tr>
<tr>
<td>CAS No</td>
<td>Classification</td>
<td></td>
</tr>
<tr>
<td>Index No</td>
<td>GHS classification</td>
<td></td>
</tr>
<tr>
<td>REACH No</td>
<td></td>
<td></td>
</tr>
<tr>
<td>231-106-7</td>
<td>mercury</td>
<td></td>
</tr>
<tr>
<td>080-001-00-0</td>
<td>Repr. 1B, Acute Tox. 2, STOT RE 1, Aquatic Acute 1, Aquatic Chronic 1; H360D *** H330 H372 ** H400 H410</td>
<td></td>
</tr>
</tbody>
</table>

Full text of R and H phrases: see Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures
- After inhalation
  Move victim to fresh air. Put victim at rest and keep warm. Seek medical attention if problems persist.

- After contact with skin
  After contact with skin, wash immediately with plenty of water and soap. Change contaminated clothing.

- After contact with eyes
  In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

- After ingestion
  Immediately get medical attention.

SECTION 5: Firefighting measures

5.1. Extinguishing media
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Additional information
Not combustible.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
Provide adequate ventilation.

6.2. Environmental precautions
Do not empty into drains or the aquatic environment.

6.3. Methods and material for containment and cleaning up
Collect mechanically. Suitable absorbing material: Iodine coal.
Handling larger quantities.: Use approved industrial vacuum cleaner for removal.
Vapours / aerosols must be extracted by suction immediately at point of origin.

6.4. Reference to other sections
Collect in closed containers for disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling
Keep container tightly closed. Wear suitable protective clothing and gloves. Avoid contact with eyes.

Advice on protection against fire and explosion
Can be released in case of fire: Gas / vapours, toxic.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels
Store only in original container. Keep container tightly closed in a cool, well-ventilated place.
Unsuitable materials for Container: Aluminium.

Advice on storage compatibility
The following must be prevented: Ethine, Ammonia., metal., Aluminium.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Substance</th>
<th>ppm</th>
<th>mg/m³</th>
<th>fibres/ml</th>
<th>Category</th>
<th>Origin</th>
</tr>
</thead>
<tbody>
<tr>
<td>7439-97-6</td>
<td>Mercury</td>
<td>-</td>
<td>0.02</td>
<td>-</td>
<td>TWA (8 h)</td>
<td>WEL</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>STEL (15 min)</td>
<td>WEL</td>
</tr>
</tbody>
</table>

Biological Monitoring Guidance Values (EH40)

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Substance</th>
<th>Parameter</th>
<th>Value</th>
<th>Test material</th>
<th>Sampling time</th>
</tr>
</thead>
<tbody>
<tr>
<td>7439-97-6</td>
<td>Mercury</td>
<td>mercury</td>
<td>20 µmol/mol</td>
<td>urine</td>
<td>Random</td>
</tr>
</tbody>
</table>

Additional advice on limit values
MAK/mac: 0,1 mg/m³; 0,01 ml/m³

8.2. Exposure controls

Occupational exposure controls
Ensure adequate ventilation of the storage area.

Protective and hygiene measures
When using do not eat or drink. Change contaminated clothing.
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Respiratory protection
The following must be prevented: inhalation.
Filter respirator (full mask or mouth-piece) with filter: Hg-P3

Hand protection
Tested protective gloves are to be worn: Suitable material: NBR (Nitrile rubber). (EN 374, category 2).

Eye protection
Tightly sealed safety glasses.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties
Physical state: liquid
Colour: silver
Odour: odourless

Test method
pH-Value: not applicable

Changes in the physical state
Boiling point: 356 °C
Solidification point: -38 °C
Vapour pressure: 0,0016 hPa
(at 20 °C)
Density: 13,5 g/cm³
Water solubility: insoluble
Vapour density: > 1

SECTION 10: Stability and reactivity

10.4. Conditions to avoid
heat.

10.5. Incompatible materials
Ethine, Ammonia., metal., Aluminium.

10.6. Hazardous decomposition products
Can be released in case of fire: Gas / vapours, toxic.

SECTION 11: Toxicological information

11.1. Information on toxicological effects
Acute toxicity
LC50: 0.004 mg/l (Cyprinus carpio/96h)
LC50: 0.002 mg/l (crustacea indet./48h)
EC50: 0.3 mg/l (algae indet./72h)

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Chemical name</th>
<th>Exposure routes</th>
<th>Method</th>
<th>Dose</th>
<th>Species</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>7439-97-6</td>
<td>mercury</td>
<td>inhalative vapour</td>
<td>ATE</td>
<td>0.5 mg/l</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>inhalative aerosol</td>
<td>ATE</td>
<td>0.05 mg/l</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Irritation and corrosivity
Irritant effect on the skin: none / none
SECTION 12: Ecological information

12.1. Toxicity

LC50: 0.9 mg/l/96h (Gambusia affinis)

Do not empty into drains or the aquatic environment. Leakage into the environment must be prevented. Very toxic to aquatic organisms.

<table>
<thead>
<tr>
<th>CAS No</th>
<th>Chemical name</th>
<th>Aquatic toxicity</th>
<th>Method</th>
<th>Dose</th>
<th>h</th>
<th>Species</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>7439-97-6</td>
<td>mercury</td>
<td>Acute fish toxicity</td>
<td>LC50</td>
<td>0.35 mg/l</td>
<td>96</td>
<td>Ictalurus punctatus</td>
<td></td>
</tr>
</tbody>
</table>

12.3. Bioaccumulative potential
Absorption and accumulation in organisms (bio-accumulation potential)

12.4. Mobility in soil
No data available

Further information
Do not empty into drains or the aquatic environment. Leakage into the environment must be prevented.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Advice on disposal
Carry out under observation of official regulations covering a chemical/physical treatment plant.

Waste disposal number of waste from residues/unused products
060404 WASTES FROM INORGANIC CHEMICAL PROCESSES; metal-containing wastes other than those mentioned in 06 03; wastes containing mercury Classified as hazardous waste.

Waste disposal number of used product
060404 WASTES FROM INORGANIC CHEMICAL PROCESSES; metal-containing wastes other than those mentioned in 06 03; wastes containing mercury Classified as hazardous waste.

Waste disposal number of contaminated packaging
060404 WASTES FROM INORGANIC CHEMICAL PROCESSES; metal-containing wastes other than those mentioned in 06 03; wastes containing mercury Classified as hazardous waste.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number: 3506
14.2. UN proper shipping name: Mercury (Hg) in manufactured article.
14.3. Transport hazard class(es): 8
14.4. Packing group: III
Hazard label: 8
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Classification code: C9
Limited quantity: 5 kg
Transport category: 3
Hazard No: 80
Tunnel restriction code: E

Other applicable information (land transport)
E0

Marine transport (IMDG)

14.1. UN number: 3506
14.2. UN proper shipping name: Mercury (Hg) in manufactured article.
14.3. Transport hazard class(es): 8
14.4. Packing group: III

Limited quantity: 5 kg
EmS: F-A, S-B

Other applicable information (marine transport)
E0

Air transport (ICAO)

14.1. UN number: 3506
14.2. UN proper shipping name: Mercury (Hg) in manufactured article.
14.3. Transport hazard class(es): 8
14.4. Packing group: III

Hazard label: 8

Limited quantity Passenger: Forbidden
IATA-max. quantity - Passenger: 35 kg
IATA-packing instructions - Cargo: 868
IATA-max. quantity - Cargo: 35 kg

Other applicable information (air transport)
E0
: Forbidden

14.5. Environmental hazards
Dangerous for the environment: yes

SECTION 15: Regulatory information

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

Water contaminating class (D): 3 - highly water contaminating

SECTION 16: Other information

Full text of R phrases referred to under Sections 2 and 3

Very toxic by inhalation.
Toxic: danger of serious damage to health by prolonged exposure through inhalation.
Very toxic to aquatic organisms.

Full text of H statements referred to under Sections 2 and 3

Fatal if inhaled.
May damage the unborn child.
Causes damage to organs through prolonged or repeated exposure.
Very toxic to aquatic life.

May cause long-term adverse effects in the aquatic environment.
May cause harm to the unborn child.

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
May cause long-term adverse effects in the aquatic environment.

Very toxic to aquatic life with long lasting effects.

May cause long-term adverse effects in the aquatic environment.
May cause harm to the unborn child.

Very toxic to aquatic life.
Very toxic to aquatic life.