

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

Print date: 05.06.2013

Product code: 9002128 9002129 9002130

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### 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	UK	+44 (0) 1634878750
Melville NY 11747 USA	Fax	+44 (0) 1634 87 87 51

Authorized representative:	Emergency #:	Chemtrec US (800) 424-9300
Henry Schein UK Holdings Ltd	International:	001 703-527-3887
Gillingham	email:	<a href="mailto:cbdeurope@henryschein.de">cbdeurope@henryschein.de</a>
ME8 OSB		

#### 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

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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**

EC No	Chemical name	Quantity
CAS No	Classification	
Index No	GHS classification	
REACH No		
231-106-7	mercury	
7439-97-6	Repr. Cat. 2, T+ - Very toxic, T - Toxic, N - Dangerous for the environment R61-26-48/23-50-53	99,9 %
080-001-00-0	Repr. 1B, Acute Tox. 2, STOT RE 1, Aquatic Acute 1, Aquatic Chronic 1; H360D *** H330 H372 ** H400 H410	

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)

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
7439-97-6	Mercury	-	0.02		TWA (8 h)	WEL
		-	-		STEL (15 min)	WEL

#### Biological Monitoring Guidance Values (EH40)

CAS No	Substance	Parameter	Value	Test material	Sampling time
7439-97-6	Mercury	mercury	20 µmol/mol	urine	Random

#### Additional advice on limit values

MAK/mac: 0,1 mg/m<sup>3</sup>; 0,01 ml/m<sup>3</sup>

### 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/cm<sup>3</sup>  
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 (crustaceae indet./48h)  
EC50: 0.3 mg/l (algae indet./72h)

CAS No	Chemical name				
	Exposure routes	Method	Dose	Species	Source
7439-97-6	mercury				
	inhalative vapour	ATE	0,5 mg/l		
	inhalative aerosol	ATE	0,05 mg/l		

### Irritation and corrosivity

Irritant effect on the skin: none / none

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Irritant effect on the eye: Mechanical action of the product (e.g. unwanted adherence) may cause damages.

### 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.

CAS No	Chemical name					
	Aquatic toxicity	Method	Dose	h	Species	Source
7439-97-6	mercury					
	Acute fish toxicity	LC50	0,35 mg/l	96	Ictalurus punctatus	

#### 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  
 Hazard label: 8



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.  
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.  
May cause harm to the unborn child.

#### 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.  
Very toxic to aquatic life with long lasting effects.