

**SAFETY DATA SHEET**



Cavex Non Gamma-2

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

**Product identifier**

**Product name** : Cavex Non Gamma-2  
**Product type** : Powder.

**Relevant identified uses of the substance or mixture and uses advised against**

**Identified uses** : Dental filling material

**Details of the supplier of the safety data sheet**

**National contact**

Cavex Holland  
 Fustweg 5  
 2031 CJ Haarlem  
 The Netherlands

T +31 23 530 7700 E-Mail : dental@cavex.nl  
 F +31 23 535 6482 Website : www.cavex.nl

**National advisory body/Poison Centre/Emergency telephone number**

**Telephone number** : +31 23 530 7700 (Office hours)

**SECTION 2: Hazards identification**

**Classification of the substance or mixture**

**Product definition** : Preparation

**Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]**

Not classified.

**Classification according to Directive 67/548/EEC [DSD]**

**Europe**

Not classified as dangerous

**Classification according to Directive 1999/45/EC [DPD]**

**Europe**

The mixture is not classified as dangerous according to Directive 1999/45/EC and its amendments.

See Section 16 for the full text of the R phrases or H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

**Label elements**

**Europe**

**Risk phrases** : This product is not classified according to EU legislation.

**Safety phrases** :

**Supplemental label elements** : Not applicable.

**Other hazards**

**Other hazards which do not result in classification** : None.

**Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII** : Not applicable.

**Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII** : Not applicable.

**SECTION 3: Composition/information on ingredients**

**Substance/mixture** : Preparation

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**SECTION 3: Composition/information on ingredients**

Product/ingredient name	Identifiers	%	Classification		Type
			67/548/EEC	Regulation (EC) No. 1272/2008 [CLP]	
<b>Europe</b>					
Silver	CAS: 7440-22-4 EC: 231-131-3	45-70	Not classified.	Not classified.	[1]
Tin (Sn)	CAS: 7440-31-5 EC: 231-141-8	18-32	R11	H228	[1]
Copper (Cu)	CAS: 7440-50-8 EC: 231-159-6	10-25	R50	H400	[1]
Zinc	CAS: 7440-66-6 EC: 231-175-3	0-0.5	R50/53	H410	[1]

Type

1: Occupational exposure limits, if available, are listed in Section 8.

**SECTION 4: First aid measures**

**Description of first aid measures**

- Eye contact** : In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.
- Inhalation** : Not applicable.
- Skin contact** : No known significant effects or critical hazards.
- Ingestion** : If potentially dangerous quantities of this material have been swallowed, call a physician immediately.
- Protection of first-aiders** : Not applicable.

**Most important symptoms and effects, both acute and delayed**

**Potential acute health effects**

- Eye contact** : No significant irritation expected other than possible mechanical irritation.
- Inhalation** : No known significant effects or critical hazards.
- Skin contact** : Non-irritating (EU).
- Ingestion** : TD Lo Human Copper: 0.14 mg/kg.

**Indication of any immediate medical attention and special treatment needed**

- Notes to physician** : Not available.
- Specific treatments** : Not available.

**SECTION 5: Firefighting measures**

**Extinguishing media**

- Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.
- Unsuitable extinguishing media** : None known.

**Special hazards arising from the substance or mixture**

- Hazards from the substance or mixture** : No known significant effects or critical hazards.
- Hazardous thermal decomposition products** : No known significant effects or critical hazards.

**Advice for firefighters**

- Special protective actions for fire-fighters** : Avoid breathing dusts, vapours or fumes from burning materials.
- Special protective equipment for fire-fighters** : No special protection is required.
- Additional information** : None.

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**SECTION 6: Accidental release measures**

**Personal precautions, protective equipment and emergency procedures**

- For non-emergency personnel** : Avoid breathing dust.
- For emergency responders** : Avoid breathing dust.
- Environmental precautions** : Avoid release to the environment.

**Methods and materials for containment and cleaning up**

- Small spill** : Use a shovel to transfer the material to a convenient waste disposal container.
- Large spill** : Avoid creating dusty conditions and prevent wind dispersal. Wear appropriate respiratory protection. Use a shovel to transfer the material to a convenient waste disposal container.

- Reference to other sections** : See Section 1 for emergency contact information.  
See Section 8 for information on appropriate personal protective equipment.  
See Section 13 for additional waste treatment information.

**SECTION 7: Handling and storage**

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

**Precautions for safe handling**

- Protective measures** : Avoid breathing dust.
- Advice on general occupational hygiene** : Avoid breathing dust.
- Conditions for safe storage, including any incompatibilities** : No specific storage is required.

**SECTION 8: Exposure controls/personal protection**

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

**Control parameters**

Occupational exposure limits

Product/ingredient name	Exposure limit values
<b>Europe</b>	
Silver	0.1 mg/m <sup>3</sup>
Tin (Sn)	2 mg/m <sup>3</sup>
Copper (Cu)	0.1 mg/l
Zinc	0.1 mg/m <sup>3</sup>

- Recommended monitoring procedures** : Copper: National MAC-List TWA (8 hours) 0.1 mg/m<sup>3</sup>
- DNELs/DMELs** : No DNELs/DMELs available.
- PNECs** : No PNECs available

**Exposure controls**

- Appropriate engineering controls** : Ventilation is normally required when handling or using this product.

Individual protection measures

- Hygiene measures** : Wash thoroughly after handling.
- Eye/face protection** : Safety glasses.

Skin protection

- Hand protection** : Nitrile gloves.
- Body protection** : Lab coat.
- Other skin protection** : Wash with soap and water.
- Respiratory protection** : Manipulate in a well-ventilated area or under an adequate fume hood.

- Environmental exposure controls** : Avoid release to the environment.

**SECTION 9: Physical and chemical properties****Information on basic physical and chemical properties****Appearance**

<b>Physical state</b>	: Solid. (Powder.Tablet.)
<b>Colour</b>	: Dark grey.
<b>Odour</b>	: Odourless.
<b>pH</b>	: Not applicable.
<b>Melting point/freezing point</b>	: No results available.
<b>Initial boiling point and boiling range</b>	: No results available.
<b>Flash point</b>	: No results available.
<b>Relative density</b>	: No results available.
<b>Solubility in water</b>	: Insoluble in cold water, hot water, methanol, diethyl ether, n-octanol and acetone.
<b>Auto-ignition temperature</b>	: No results available.
<b>Decomposition temperature</b>	: No results available.
<b>Viscosity</b>	: No results available.
<b>Oxidising properties</b>	: None.
<b>Other information</b>	: No additional information.

**SECTION 10: Stability and reactivity**

<b>Reactivity</b>	: No additional information.
<b>Chemical stability</b>	: The product is stable.
<b>Possibility of hazardous reactions</b>	: None.
<b>Conditions to avoid</b>	: No specific data.
<b>Incompatible materials</b>	: No specific data.
<b>Hazardous decomposition products</b>	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

**SECTION 11: Toxicological information****Information on toxicological effects**

<b>Acute toxicity</b>	: Very low toxicity to humans or animals.
<b>Irritation/Corrosion</b>	: Based on available data, the classification criteria are not met.
<b>Sensitisation</b>	: Based on available data, the classification criteria are not met.
<b>Mutagenicity</b>	: Based on available data, the classification criteria are not met.
<b>Carcinogenicity</b>	: Based on available data, the classification criteria are not met.
<b>Reproductive toxicity</b>	: Based on available data, the classification criteria are not met.
<b>Teratogenicity</b>	: Based on available data, the classification criteria are not met.

**Potential acute health effects**

<b>Eye contact</b>	: No significant irritation expected other than possible mechanical irritation.
<b>Inhalation</b>	: No known significant effects or critical hazards.
<b>Skin contact</b>	: Non-irritating (EU).
<b>Ingestion</b>	: TD Lo Human Copper: 0.14 mg/kg.

**Potential chronic health effects** : No known significant effects or critical hazards.

**Other information** : No additional information.

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**SECTION 12: Ecological information**

- Toxicity** : No results available.
- Persistence and degradability** : No results available.
- Bioaccumulative potential** : No results available.
- Mobility in soil** : Not applicable.
- Results of PBT and vPvB assessment**
  - PBT** : Not applicable.
  - vPvB** : Not applicable.
- Other adverse effects** : Prevent leaking substances from running into the aquatic environment or the sewage system.

**SECTION 13: Disposal considerations**

**Waste treatment methods**

Product

- Methods of disposal** : Use a shovel to transfer the material to a convenient waste disposal container.
- Hazardous waste** : Yes.

Packaging

- Methods of disposal** : Use a shovel to transfer the material to a convenient waste disposal container.
- Special precautions** : Avoid breathing dust.

**SECTION 14: Transport information**

	<b>ADR/RID</b>	<b>ADN</b>	<b>IMDG</b>	<b>IATA</b>
<b>UN number</b>	Not regulated.	Not regulated.	Not regulated.	Not regulated.
<b>UN proper shipping name</b>	Not applicable.	Not applicable.	Not applicable.	Not applicable.
<b>Transport hazard class (es)</b>	Not controlled under European ADR.	Not controlled under ADN (Europe).	Not controlled under IMDG.	Not controlled under IATA.
<b>Packing group</b>	Not available.	Not available.	Not available.	Not available.
<b>Environmental hazards</b>				
<b>Additional information</b>	Non-dangerous substance	Non-dangerous substance	Non-dangerous substance	Non-dangerous substance

- Special precautions for user** : No special measures are required.
- Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** : Not available.

**SECTION 15: Regulatory information**

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

EU Regulation (EC) No. 1907/2006 (REACH)

Annex XIV - List of substances subject to authorisation

Substances of very high concern

None of the components are listed.

National regulations

Not applicable.

- Chemical Safety Assessment** : No Chemical Safety Assessment has been carried out.

**SECTION 16: Other information**

✔ Indicates information that has changed from previously issued version.

- Abbreviations and acronyms** :
- ATE = Acute Toxicity Estimate
  - CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
  - DMEL = Derived Minimal Effect Level
  - DNEL = Derived No Effect Level
  - EUH statement = CLP-specific Hazard statement
  - PBT = Persistent, Bioaccumulative and Toxic
  - PNEC = Predicted No Effect Concentration
  - RRN = REACH Registration Number
  - vPvB = Very Persistent and Very Bioaccumulative

**Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]**

Classification	Justification
Not classified.	

**Europe**

- Full text of abbreviated H statements** :
- H228 - Flammable solid.
  - H400 - Very toxic to aquatic life.
  - H410 - Very toxic to aquatic life with long lasting effects.
- Full text of classifications [CLP/GHS]** :
- H228 - Flammable solids Category 1
  - H400 - Hazardous to aquatic environment - Acute effects Category 1
  - H410 - Hazardous to aquatic environment - Chronic effects Category 1
- Full text of abbreviated R phrases** :
- R11- Highly flammable.
  - R50- Very toxic to aquatic organisms.
  - R50/53- Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- Full text of classifications [DSD/DPD]** :
- Not applicable.
- Date of printing** :
- 16-10-2012.
- Date of issue/ Date of revision** :
- 16-10-2012.
- Date of previous issue** :
- No previous validation.
- Version** :
- 1

**Notice to reader**

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.