1 Identification

· Product identifier
  · Trade name: GC Fit Checker Advanced Catalyst
  · Relevant identified uses of the substance or mixture and uses advised against
    No further relevant information available.
  · Application of the substance / the mixture Auxillary for dental technology

· Details of the supplier of the safety data sheet
  · Manufacturer/Supplier:
    Henry Schein Halas
    44 O’Dea Ave
    Waterloo NSW 2017
    Tel: 1300 65 88 22

· Further information obtainable from: Regulatory affairs

2 Hazard Identification

· Classification of the substance or mixture
  Carc. 2 H351 Suspected of causing cancer.

· Label elements
  · GHS label elements
    Exempt from requirements - product regulated as a medical device or an in vitro diagnostic medical device.
    The product is classified and labelled according to the Globally Harmonised System (GHS).
  · Hazard pictograms

  GHS08

· Signal word Warning

· Hazard-determining components of labelling:
  titanium dioxide

· Hazard statements
  Suspected of causing cancer.

· Precautionary statements
  Wear protective gloves/protective clothing/eye protection/face protection.
  Obtain special instructions before use.
  Do not handle until all safety precautions have been read and understood.
  IF exposed or concerned: Get medical advice/attention.
  Store locked up.
  Dispose of contents/container in accordance with local/regional/national/international regulations.

· Additional information:
  5% of the mixture consists of component(s) of unknown toxicity.

· Other hazards

· Results of PBT and vPvB assessment

· PBT: Not applicable.

(Contd. on page 2)
3 Composition and information on ingredients

- Chemical characterisation: Mixtures
- Description:
  Only substances required to be mentioned according to Annex II of regulation 1907/2006 are listed. Information on the other substances that may be present can be obtained upon request.

- Dangerous components:
<table>
<thead>
<tr>
<th>Substance ID</th>
<th>Substance Name</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>112926-00-8</td>
<td>silicon dioxide, amorphous</td>
<td>10-25%</td>
</tr>
<tr>
<td>13463-67-7</td>
<td>titanium dioxide</td>
<td>Carc. 2, H351 0.5-1%</td>
</tr>
</tbody>
</table>

- Additional information: For the wording of the listed risk phrases refer to section 16.

4 First Aid Measures

- Description of first aid measures
- General information: If symptoms persist consult doctor.
- After inhalation:
  Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.
  Take affected persons into fresh air and keep quiet.
- After skin contact:
  If skin irritation continues, consult a doctor.
- After eye contact:
  Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- After swallowing:
  Rinse out mouth and then drink plenty of water.
  If symptoms persist consult doctor.
- Information for doctor:
  Most important symptoms and effects, both acute and delayed: No further relevant information available.
  Indication of any immediate medical attention and special treatment needed: No further relevant information available.

5 Fire Fighting Measures

- Extinguishing media
- Suitable extinguishing agents:
  CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
  Use fire extinguishing methods suitable to surrounding conditions.
- For safety reasons unsuitable extinguishing agents: Water with full jet
- Special hazards arising from the substance or mixture
  Formation of toxic gases is possible during heating or in case of fire.
- Advice for firefighters
- Protective equipment: Wear self-contained respiratory protective device.
- Additional information
  Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.
6 Accidental release measures

- Personal precautions, protective equipment and emergency procedures
  Remove persons from danger area.
  Wear protective clothing.
- Environmental precautions:
  Do not allow product to reach sewage system or any water course.
  Inform respective authorities in case of seepage into water course or sewage system.
  Do not allow to penetrate the ground/soil.
  In case of seepage into the ground inform responsible authorities.
- Methods and material for containment and cleaning up:
  Absorb liquid components with liquid-binding material.
  Dispose of the material collected according to regulations.
- Reference to other sections
  See Section 7 for information on safe handling.
  See Section 8 for information on personal protection equipment.
  See Section 13 for disposal information.

7 Handling and storage

- Handling:
  - Precautions for safe handling
    Ensure good ventilation/exhaustion at the workplace.
    Do not inhale dust / smoke / mist.
  - Information about fire - and explosion protection: No special measures required.
- Conditions for safe storage, including any incompatibilities
- Storage:
  - Requirements to be met by storerooms and receptacles: Store only in unopened original receptacles.
  - Information about storage in one common storage facility: Store away from foodstuffs.
  - Further information about storage conditions: None.
  - Specific end use(s) No further relevant information available.

8 Exposure controls and personal protection

- Additional information about design of technical facilities: No further data; see item 7.
- Control parameters
  - Ingredients with limit values that require monitoring at the workplace:
    112926-00-8 silicon dioxide, amorphous
      NES Long-term value: 10 mg/m³
    13463-67-7 titanium dioxide
      NES Long-term value: 10 mg/m³
  - DNELs
    13463-67-7 titanium dioxide
      Inhalative DNEL inhalation 10 mg/m³ (man)
- Additional information: The lists valid during the making were used as basis.
Exposure controls
- Personal protective equipment:
- General protective and hygienic measures:
The usual precautionary measures are to be adhered to when handling chemicals. Wash hands before breaks and at the end of work.
- Respiratory protection: Suitable respiratory protective device recommended.
- Protection of hands: Protective gloves
- Material of gloves
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- Penetration time of glove material
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- Eye protection: Safety glasses

### 9 Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General Information**
  - **Appearance:**
    - Form: Solid
    - Colour: Light orange colour
  - **Odour:** Characteristic
  - **Odour threshold:** Not determined.
  - **pH-value:** Not determined.
- **Change in condition**
  - Melting point/Melting range: Undetermined.
  - Boiling point/Boiling range: Undetermined.
  - **Flash point:** Not applicable.
  - **Flammability (solid, gaseous):** Not applicable.
  - **Ignition temperature:** Undetermined.
  - **Decomposition temperature:** Not determined.
  - **Self-igniting:** Product is not self-igniting.
  - **Danger of explosion:** Product does not present an explosion hazard.
- **Explosion limits:**
  - Lower: Not determined.
  - Upper: Not determined.
- **Vapour pressure:** Not determined.
- **Density:** Not determined.
- **Relative density** Not determined.
- **Vapour density** Not determined.
- **Evaporation rate** Not determined.
Solubility in / Miscibility with water: Insoluble.

Partition coefficient (n-octanol/water): Not determined.

Viscosity:
- Dynamic: Not determined.
- Kinematic: Not determined.

Solvent content:
- Organic solvents: 0.0%
- Other information: No further relevant information available.

10 Stability and reactivity

- Reactivity: No further relevant information available.
- Chemical stability
  - Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
  - Possibility of hazardous reactions: No dangerous reactions known.
  - Conditions to avoid: No further relevant information available.
  - Incompatible materials: No further relevant information available.
  - Hazardous decomposition products: No dangerous decomposition products known.

11 Toxicological information

- Information on toxicological effects
  - Acute toxicity
    - LD/LC50 values relevant for classification:
      13463-67-7 titanium dioxide
      | Type       | Value |
      |------------|-------|
      | Oral LD50  | >5000 mg/kg (mouse) (OECD 420) |
      | Inhalative LC50/4 h | > 6.82 mg/l (rat male) |
    - Primary irritant effect: No irritant effect.
    - Skin corrosion/irritation: No irritating effect.
    - Serious eye damage/irritation: No irritating effect.
    - Respiratory or skin sensitisation: No sensitising effects known.
    - Repeated dose toxicity: No further relevant information available.
    - CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)
      Carc. 2

12 Ecological information

- Toxicity: No further relevant information available.
- Aquatic toxicity: No further relevant information available.
- Persistence and degradability: No further relevant information available.
- Behaviour in environmental systems:
- Bioaccumulative potential: No further relevant information available.
- Mobility in soil: No further relevant information available.
Trade name: GC Fit Checker Advanced Catalyst

- Additional ecological information:
- General notes:
  Water hazard class 3 (German Regulation) (Self-assessment): extremely hazardous for water
  Do not allow product to reach ground water, water course or sewage system, even in small quantities.
  Danger to drinking water if even extremely small quantities leak into the ground.
- Results of PBT and vPvB assessment
  - PBT: Not applicable.
  - vPvB: Not applicable.
- Other adverse effects No further relevant information available.

13 Disposal considerations

- Waste treatment methods
  Recommendation
  Must not be disposed together with household garbage. Do not allow product to reach sewage system.

- European waste catalogue
  18 00 00 WASTES FROM HUMAN OR ANIMAL HEALTH CARE AND/OR RELATED RESEARCH (except kitchen and restaurant wastes not arising from immediate health care)
  18 01 00 wastes from natal care, diagnosis, treatment or prevention of disease in humans
  18 01 07 chemicals other than those mentioned in 18 01 06

- Uncleaned packaging:
  Recommendation: Disposal must be made according to official regulations.

14 Transport information

- UN-Number
  ADG, ADN, IMDG, IATA not regulated

- UN proper shipping name
  ADG, ADN, IMDG, IATA not regulated

- Transport hazard class(es)
  ADG, ADN, IMDG, IATA
  Class not regulated

- Packing group
  ADG, IMDG, IATA not regulated

- Environmental hazards:
  Marine pollutant: No

- Special precautions for user
  Not applicable.

- Transport in bulk according to Annex II of Marpol and the IBC Code
  Not applicable.

- UN "Model Regulation": not regulated
15 Regulatory information

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

· Australian Inventory of Chemical Substances

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Chemical Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>68083-19-2</td>
<td>Vinyldimethylpolysiloxane</td>
</tr>
<tr>
<td>13463-67-7</td>
<td>titanium dioxide</td>
</tr>
<tr>
<td>40716-47-0</td>
<td>4,5,6,7-tetrachloro-3-[[3-methyl-4-[[4-(4,5,6,7-tetrachloro-1-oxo-1H-isoindol-3-yl)amino]phenyl]azo]phenyl]amino]-1H-isoindol-1-one</td>
</tr>
<tr>
<td>7440-06-4</td>
<td>Platinum</td>
</tr>
</tbody>
</table>

· Standard for the Uniform Scheduling of Medicines and Poisons

None of the ingredients is listed.

· GHS label elements

The product is classified and labelled according to the Globally Harmonised System (GHS).

· Hazard pictograms

GHS08

· Signal word

Warning

· Hazard-determining components of labelling:

- titanium dioxide

· Hazard statements

Suspected of causing cancer.

· Precautionary statements

Wear protective gloves/protective clothing/eye protection/face protection.
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
If exposed or concerned: Get medical advice/attention.
Store locked up.
Dispose of contents/container in accordance with local/regional/national/international regulations.

· Directive 2012/18/EU

· Named dangerous substances - ANNEX I

None of the ingredients is listed.

· Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

16 Other information

· Relevant phrases

H351 Suspected of causing cancer.

· Department issuing MSDS

Regulatory affairs

· Contact

msds@gceurope.com

· Abbreviations and acronyms:

- ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
- IMDG: International Maritime Code for Dangerous Goods
- IATA: International Air Transport Association
- EINECS: European Inventory of Existing Commercial Chemical Substances
- ELINCS: European List of Notified Chemical Substances
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- DNEL: Derived No-Effect Level (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Carc. 2: Carcinogenicity, Hazard Category 2

Sources

• ECHA (http://echa.europa.eu/)
• EnviChem (www.echemportal.org)

* Data compared to the previous version altered.
This version replaces all previous versions.

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