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

1.1 Product identifier
- Trade name: Octadecyl Bonded Silica Gel
- Article number: 8132-96
- CAS Number: 71889-02-6

1.2 Relevant identified uses of the substance or mixture and uses advised against
- No further relevant information available.

1.3 Details of the supplier of the safety data sheet
- Manufacturer/Supplier:
  Avantor Performance Materials B.V.
  P.O.Box 1
  7400 AA Deventer
  The Netherlands
- Informing department:
  E-mail : pawel.skiba@avantormaterials.com
  Avantor Performance Materials Sales Office Tel.: +31(0) 570 687500

1.4 Emergency telephone number:
- Environment Health & Safety department
during normal opening times (8 am till 5.30 pm) tel: (+31)(0) 570 687500

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008
  The substance is not classified according to the CLP regulation.
- Classification according to Directive 67/548/EEC or Directive 1999/45/EC void
- Information concerning particular hazards for human and environment: void

2.2 Label elements
- Labelling according to Regulation (EC) No 1272/2008 Void
- Hazard pictograms Void
- Signal word Void
- Hazard statements Void

2.3 Other hazards
- Results of PBT and vPvB assessment
  - PBT: Not applicable.
  - vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

3.1 Chemical characterisation: Substances
- CAS No. Designation:
  71889-02-6 Octadecyl Bonded Silica Gel
- Identification number(s):
  n/a
  Einecsnr.: 215-683-2

SECTION 4: First aid measures

4.1 Description of first aid measures
- General information No special measures required.
- After inhalation Supply fresh air; consult doctor in case of symptoms.
- After skin contact The product is not skin irritating.
- After eye contact Rinse opened eye for several minutes under running water.
- After swallowing Rinse out mouth and then drink plenty of water.

(Contd. on page 2)
SECTION 5: Firefighting measures

- 5.1 Extinguishing media
- Suitable extinguishing agents
  CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
- For safety reasons unsuitable extinguishing agents
  Water with a full water jet.
- 5.2 Special hazards arising from the substance or mixture
  No further relevant information available.
- 5.3 Advice for firefighters
  Protective equipment: No special measures required.

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures
  Avoid causing dust.
- 6.2 Environmental precautions
  No special measures required.
- 6.3 Methods and material for containment and cleaning up
  Collect mechanically.
- 6.4 Reference to other sections
  No dangerous materials are released.
  See Section 7 for information on safe handling.
  See Section 8 for information on personal protection equipment.
  See Section 13 for information on disposal.

SECTION 7: Handling and storage

- 7.1 Precautions for safe handling
  No special precautions necessary if used correctly.
- Information about protection against explosions and fires
  No special requirements.
- 7.2 Conditions for safe storage, including any incompatibilities
- Storage
  Requirements to be met by storerooms and containers
  No special requirements.
- Information about storage in one common storage facility
  Not required.
- Further information about storage conditions
  None.
- 7.3 Specific end use(s)
  No further relevant information available.

SECTION 8: Exposure controls/personal protection

- 8.1 Control parameters
  Components with critical values that require monitoring at the workplace:
  Additional information: The lists that were valid during the compilation were used as basis.
- 8.2 Exposure controls
  Personal protective equipment
  General protective and hygienic measures
  The usual precautionary measures should be adhered to in handling the chemicals.
  Breathing equipment: Not necessary if room is well-ventilated.
  Protection of hands:
  The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
  Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
  Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
Trade name: Octadecyl Bonded Silica Gel

- **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.
- **Penetration time of glove material**
  The exact breakthrough time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection**: Not required.
- **Body protection**: Protective work clothing.

### SECTION 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

- **Form**: Crystalline powder
- **Colour**: White
- **Smell**: Odourless
- **Odour threshold**: Not determined.
- **pH-value**: Not applicable.

- **Change in condition**
  - Melting point/Melting range: 0 °C
  - Boiling point/Boiling range: Not determined
  - Flash point: Not applicable

- **Inflammability (solid, gaseous)**
  Product is not inflammable.
- **Ignition temperature**: Not determined.

- **Decomposition temperature**: Not determined.
- **Self-inflammability**: Not determined.
- **Danger of explosion**: Product is not explosive.
- **Critical values for explosion**
  - Lower: Not determined.
  - Upper: Not determined.

- **Steam pressure**: Not applicable.
- **Density**: 1.02 @ 25 °C
- **Relative density**: Not determined.
- **Vapour density**: Not applicable.
- **Evaporation rate**: Not applicable.
- **Solubility in / Miscibility with**
  - Water: Not soluble in water.
- **Partition coefficient (n-octanol/water)**: Not determined.

- **Viscosity**
  - Dynamic: Not applicable.
  - Kinematic: Not applicable.

#### 9.2 Other information
No further relevant information available.

### SECTION 10: Stability and reactivity

#### 10.1 Reactivity

#### 10.2 Chemical stability

- **Thermal decomposition / conditions to be avoided**: Heat, boiling temperatures.

#### 10.3 Possibility of hazardous reactions
No dangerous reactions known

#### 10.4 Conditions to avoid
No further relevant information available.

#### 10.5 Incompatible materials
No further relevant information available.
SECTION 11: Toxicological information

11.1 Information on toxicological effects
- Acute toxicity:
- Primary irritant effect:
  - on the skin: redness
  - on the eye: redness, pain
- Sensitisation: No sensitizing effect known.
- Additional toxicological information:
  When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.
  The material is not subject to classification according to EC lists in the last version.

SECTION 12: Ecological information

12.1 Toxicity
- Aquatic toxicity: No further relevant information available.
12.2 Persistence and degradability: No further relevant information available.
12.3 Bioaccumulative potential: No further relevant information available.
12.4 Mobility in soil: No further relevant information available.
- Additional ecological information:
  - General notes: Not known to be hazardous to water.
12.5 Results of PBT and vPvB assessment
  - PBT: Not applicable.
  - vPvB: Not applicable.
12.6 Other adverse effects: No further relevant information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods
- Recommendation
  Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- Uncleaned packagings:
  - Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information

14.1 UN-Number
- ADR, ADN, IMDG, IATA: Void
14.2 UN proper shipping name
- ADR, ADN, IMDG, IATA: Void
14.3 Transport hazard class(es)
- ADR, ADN, IMDG, IATA: Void
- Class: Void
14.4 Packing group
- ADR, IMDG, IATA: Void
Trade name: Octadecyl Bonded Silica Gel

| 14.5 Environmental hazards: | No |
| 14.6 Special precautions for use | Not applicable. |
| 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |
| UN "Model Regulation": | - |

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
Labelling according to Regulation (EC) No 1272/2008 Void
Hazard pictograms Void
Signal word Void
Hazard statements Void
15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Department issuing data specification sheet: EHS
Contact: Pawel Skiba

Abbreviations and acronyms:
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
ICAO: International Civil Aviation Organisation
ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO)
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
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
CAS: Chemical Abstracts Service (division of the American Chemical Society)
* Data compared to the previous version altered.