

- 1. Identification of the Substance / Mixture and of the Company / Undertaking:**
- 1.1. Product identifier: S CEL-7G M40
- 1.2. Relevant identified uses of the substance or mixture and uses advises against: Road fibre with granulation additive binders
- 1.3. Details of the suppliers of the safety data sheet:
- Trade Name: CIUR (UK) Limited
Aberdare Enterprise Centre, Aberaman, ABERDARE, CF44 6DA, United Kingdom
- Contact: Mrs. Kath Richards
Telephone: + 44 (0) 1685 878649
- Trade Name: CIUR a.s.
Pražská 1012, CZ 250 01
Brandýs nad Labem
- Contact: Mr. Mojmír Urbánek
Telephone: + 420 326 901 462
- 1.4. Emergency telephone number: Medical toxicology information service
Mary Sheridan House
15 St Thomas Street
London SE1 9RY, UK
+ 44 (0) 20 7188 0600
- Všeobecná fakultní nemocnice v Praze
Toxikologické informační středisko
Na Bojišti 1, CZ- 128 08 Prague
+ 420 224 919 293
+ 420 224 915 402
+ 420 224 964 630
- 2. Hazard Identification:**
- 2.1. Classification of the substance or mixture: Cellulose + binder based on PE (Innodur AD) – 40 %
- 2.2. Label elements:
- Chemical name: Cellulose
Chemical symbol: C₆H₁₀O₅
R - sentences: not applicable
S - sentences: not applicable
- Chemical name: Ethylenbisstearamid
Chemical symbol: (CH₂NHC(O)C₁₇H₃₅)₂
CAS: 110-30-5
H – sentences: H242 – Heating may cause a fire
H315 – Causes skin irritation
H335 – May cause respiratory irritation
- 2.3. Other hazards: not applicable
- 3. Composition / Information on Ingredients:**
- 3.1. Substances: binder based on PE (Innodur AD) – 40 %
- 3.2. Mixtures: not applicable
- See item 10

4. First Aid and Preventative**Measures:**4.1. Description of first aid measures:

In case of health problems due to exposure to dust of the product or when in doubt, consult a doctor.

P102 – keep out of reach of children

P270 – do not eat, drink or smoke when using this product

P261 – avoid breathing dust

P232 – protect from moisture

P281 – use personal protective equipment as required

4.1.1. If the dust from the product is inhaled:

Move the affected person to the fresh air, wash the face thoroughly with water, rinse the mouth (or nose) with water, rest, do not smoke, with respiratory problems, call medical help.

If the dust from the from the product has contact with skin:

Shake off the dust from clothing or blow it off, wash the skin with plenty of tepid water or with a mild Soap /detergent, after washing apply a suitable reparation cream.

In cases of eye contact with dust of the product:

Immediately rinse with clean tepid water thoroughly for 10-15 minutes with eyelids open and seek medical help.

If the dust of the product is ingestion:

The product is of low acute oral toxicity. Whilst it should not be ingested, no harmful effects will occur with quantities of up to 5 liters.

4.1.2. Other data:

not applicable

4.2. Most important symptoms and effects, both acute and delayed:

not applicable

4.3. Indication of any immediate medical attention and special treatment needed:

not applicable

5. Firefighting Measures:5.1. Extinguishing media:

Water spray jet, alcohol-resistant foam, dry chemical or carbon dioxide

5.2. Special hazards arising from the substance or mixture:

In case of a fire, the product may form carbon monoxide and carbon dioxide.

5.3. Advice for firefighters:

Extinguishing media to avoid: water hose stream. In case of fire wear positive pressure self-contained breathing apparatus, use appropriate protection of respiratory system (insulating means), or whole-body protection.

6. Accidental Release Measures:6.1. Personal precautions, protective equipment and emergency procedures:

Minimize dust! Use personal protective means, follow the instructions of chapters 7 and 8, do not inhale the dust, avoid contact with skin and eyes.
Avoid further dust distribution, for example by wetting the material.

6.2. Environmental precautions:

Prevent wind dispersal of the loose fibrous dust.

6.3. Methods and material for containment and cleaning up:

Sweep the spilled dust from the product up carefully or rather suck it up by a vacuum cleaner with suitable filter, pick large pieces up. Then put this material into labeled containers and dispose - see the point No 13. If sweeping up, spray the material first; never use compressed air for cleaning.

6.4. Reference to other sections:

not applicable

7. Handling and Storage:7.1. Precautions for safe handling:

Minimize dust at work, avoid contact with skin and eyes, do not inhale the dust, at work use personal Protective equipment listed in point No 8, wash your hands after handling.

Keep bags tightly closed and dry.

Take precautionary measures against static discharges.

7.2. Conditions for safe storage, including any incompatibilities:

Store in original, undamaged packaging, in dry, sheltered and clean stock area, protect from humidity, store away from explosive and oxidation substances, keep away from sources of ignition, do not smoke, do not expose to direct climatic effects.

8. Exposure Controls / Personal Protection:8.1. Control parameters:

Provide sufficient ventilation.

8.2. Exposure controls:

8.2.1. Appropriate engineering controls:

Occupational Exposure Limits EH4099 gives a short term limit for cellulose of 10 mg/m³ and a long term limit of 4 mg/m³ (respirable) dust, measures as an 8 hour time-weighted average. The limits are those applied to "nuisance dust".

- 8.2.2. Individual protection measures, such as personal protective equipment:
- Common hygienic precautions, do not eat, drink or smoke during application; wash the hands with warm water and soap after use, eventually apply a suitable repairation means.
We do not recommend the working of this product to pregnant and nursing women.
- a/ Eye / face protection: Although there is no specific risk, it is recommended that a disposable facemask be worn when using the product in a confined space.
- b/ Skin protection:
i/ hand protection: Nitrile rubber gloves
ii/ other: nil
- c/ Respiratory protection: Recommended if ventilation is not sufficient.
- d/ Thermal hazards: not applicable

9. **Physical and Chemical Properties:**

9.1. Information on basic physical and chemical properties:

- a/ Appearance: Solid grey fiber pallet
- b/ Odour: weak, amine like
- c/ Odour threshold: odorless
- d/ pH: 7.5 +/- 1
- e/ Melting point / freezing point: not applicable
- f/ Initial boiling point and boiling range: not applicable
- g/ Flash point: The product smolders if a heat source above 279°C is applied.
- h/ Evaporation rate: not applicable
- i/ Flammability (solid, gas): E (CSN EN 13501-1)
- j/ Upper / lower flammability or explosive limits:
Applies only to the possible accumulation of dust released from the product:
when E1 = 9.0kJ explosive -
lower limit concentration of 629g/m³
Note: When using in an explosive environment deposits of dust generated during the handling of the product must be avoided
impulsiveness settled dust
t^u_{min}=290°C
ignitability of dust clouds
t^r_{min}=510°C
- k/ Vapour pressure: not applicable
- l/ Vapour density: see item 16
- m/ Relative density: not applicable
- n/ Solubility: Insoluble in organic solvents
- o/ Partition coefficient: n-octanol/water: not applicable
- p/ Auto-ignition temperature: not applicable
- q/ Decomposition temperature: Charring commences at 234°C.
- r/ Viscosity: not applicable
- s/ Explosive properties: not applicable
- t/ Oxidizing properties: not applicable
- 9.2. Other information: not applicable

10. Stability and Reactivity:

- 10.1. Reactivity: When stored according to item 7 of this Safety data sheet, the product is stable and spontaneous decomposition does not happen.
- 10.2. Chemical stability: When stored according to item 7 of this Safety data sheet, the product is stable and spontaneous decomposition does not happen.
- 10.3. Possibility of hazardous reactions: Accumulation of fine dust may entail the risk of a dust explosion in the presence of air.
- 10.4. Conditions to avoid: Wet and heat sources, reactive with oxidizing agents, reducing agents, acids, alkalis.
- 10.5. Incompatible materials: water
- 10.6. Hazardous decomposition products: Possible in traces: nitrous gases, nitrous oxides (NOx)

11. Toxicological Information:

- 11.1. Information on toxicological effects: Preparation components have no narcotic effects but the dust of preparation can irritate, actual effect depends on the concentration and the exposed time in contaminated area and personal sensitivity.
- a/ Acute toxicity: Not established for this product.
(apply for Innodur AD: LD50≥2000 mg/kg oral rat)
- b/ Skin corrosion / irritation: Dust from the product is irritant.
- c/ Serious eye damage / irritation: Dust from the product is irritant.
- d/ Respiratory or skin sensitization: Dust from the product is irritant.
- e/ Germ cell mutagenicity: Not established for this product.
- f/ Carcinogenicity: Not established for this product.
- g/ Reproductive toxicity: Not established for this product.
- h/ STOT-single exposure: Not established for this product.
- i/ STOT-repeated exposure: Not established for this product.
- j/ Aspiration hazard: Dust from the product is irritant.

12. Ecological Information:

- 12.1. Toxicity: not tested
- 12.2. Persistence and degradability: not tested
- 12.3. Bio accumulative potential: not tested
- 12.4. Mobility in soil: not tested
- 12.5. Results of PET and vPvB assessment: not tested
- 12.6. Other adverse effects: not tested

13. Disposal Considerations:

- 13.1. Waste treatment methods: Please comply with the national or regional authorities. Recommended method of disposal is combustion or composting. Contaminated packaging are to be totally emptied, handling is the same as the preparation itself, empty PE packaging can be recycled. Wooden pallets can also be re-used. Safe handling: please refer to items 7 and 15.

14. Transport Information:

The preparation is not dangerous goods according to the international and national transport regulations. Transport the preparation in common sheltered, clean means of transport, protected against weather effects and heat sources.

- 14.1. UN number: not applicable
14.2. UN proper shipping name: not applicable
14.3. Transport hazard class: not applicable
14.4. Packing group: not applicable
14.5. Environmental hazards: not applicable
14.6. Special precautions for users: not applicable
14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: not applicable

15. Regulatory Information:

- 15.1. Safety, health and environmental regulation / legislation specific for the substance or mixture:

For the distribution or handling please comply with the national (regional) regulations or any other national measures that may be relevant.

- 15.2. Chemical safety assessment:

not tested

16. Other Information:

For additional information kindly refer to the attached Specification List.
Safety data sheet includes data necessary to ensure the safety and health protection at work and environmental protection.
Stated data corresponds to the actual state of knowledge and experience and are according to the valid legal regulations.
It cannot be considered as a warranty of fitness and usability for any concrete application.

Date of issue: 20.08.2014

Date of revision: 05.06.2015