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

- **1.1 Product identifier**
  - Trade name: Sodium Chloride
  - Article number: 3301
  - CAS Number: 7647-14-5
  - EC number: 231-598-3

- **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
    - Fax: +31(0) 570 687574
  - **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

- **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:
    - 7647-14-5 Sodium Chloride
  - Identification number(s):
    - EC number: 231-598-3

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.
Trade name: Sodium Chloride

- After swallowing: In case of persistent symptoms consult doctor.
- 4.2 Most important symptoms and effects, both acute and delayed: No further relevant information available.
- 4.3 Indication of any immediate medical attention and special treatment needed: No further relevant information available.

* 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: Not required.
- 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.
- 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 required.
  - 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
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 break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection: Not required.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

- Appearance:
  - Form: Solid.
  - Colour: White
- Smell: Odourless
- Odour threshold: Not determined.

- pH-value (50 g/l) at 20 °C: 6-9

Change in condition
- Melting point/Melting range: 801 °C
- Boiling point/Boiling range: 1461 °C
- Flash point: Not applicable

Inflammability (solid, gaseous): Product is not inflammable.

- Ignition temperature:
  - 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 at 20 °C: 2.16 g/cm³
- Settled apparent density at 20 °C: 800-1600 kg/m³
- Relative density: Not determined.
- Vapour density: Not applicable.
- Evaporation rate: Not applicable.
- Solubility in / Miscibility with
  - Water at 20 °C: 358 g/l
  - 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.
Trade name: Sodium Chloride

· 10.5 Incompatible materials: No further relevant information available.
· 10.6 Hazardous decomposition products: No dangerous decomposition products known

SECTION 11: Toxicological information

· 11.1 Information on toxicological effects
· Acute toxicity:
· Primary irritant effect:
  · on the skin: No irritant effect.
  · on the eye: No irritant effect.
· 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:
  | EC50/48h | 402.6 mg/l (daphnia magna) |
  | LC50/96h | 13000 mg/l (Bluegill, Sunfish (Lepomis macrochirus)) |
· 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:
  · Water hazard class (D) 1 (Assessment by list): slightly hazardous for water.
  · Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.
· 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
Trade name: Sodium Chloride

(Contd. of page 4)

14.3 Transport hazard class(es)
- ADR, ADN, IMDG, IATA
  - Class Void

14.4 Packing group
- ADR, IMDG, IATA Void

14.5 Environmental hazards:
- Marine pollutant: No

14.6 Special precautions for user
- Not applicable.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 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
- Signal word 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: Paweł 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
- EINECS: European Inventory of Existing Commercial Chemical Substances
- CAS: Chemical Abstracts Service (division of the American Chemical Society)

* Data compared to the previous version altered.