**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

**Product identifier**
- **Product name:** ANTISTICK
- **Cat. No.** 40300043
- **CAS-No.** 91051-01-3
- **EC No.:** 293-049-4
- **REACH Reg. No:** 01-2119513214-54-xxxx
- **Container size:** 25 ml

**Relevant identified uses of the substance or mixture and uses advised against**
- **Application:** Releasing agent prior to mounting operations

**Details of the supplier of the safety data sheet**
- **Supplier:** Struers ApS
  - Pederstrupvej 84
  - DK-2750 Ballerup
  - Tel:+45 44 600 800
- **Responsible for material safety data sheet authoring:** DHI
- **Any questions to the contents of this material safety data sheet should be sent to:** struers@struers.dk

**Emergency telephone number**
- **National Capital Poison Center:** 1-800-222-1222
- **Infotrac:** 1-800-535-5053
- **Struers US:** 1-440-871-0071

---

**SECTION 2: HAZARDS IDENTIFICATION**

**Classification of the substance or mixture**
- **OSHA 2012:** The product is not classified.

**Label elements**
- The substance/mixture does not meet the criteria for classification and labeling.

**Other hazards**
- Fine particles may form explosive vapor/air mixtures. Dust may irritate the eyes and the respiratory system. May cause minor irritation on skin contact.

**PBT/vPvB:**
- No information available.

---

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

**Substances**
SECTION 4: FIRST AID MEASURES

Description of first aid measures

Inhalation: Move into fresh air and keep at rest.

Skin contact: Remove contaminated clothes and rinse skin thoroughly with water.

Eye contact: If irritation occurs during dust-raising work, flush with plenty of water for at least 15 minutes.

Ingestion: Not likely, due to the form of the product.

Most important symptoms and effects, both acute and delayed

Symptoms/effects: See section 11 for more detailed information on health effects and symptoms.

Indication of any immediate medical attention and special treatment needed

Medical attention/treatments: Treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

Extinguishing media

Extinguishing media: Extinguish with foam, carbon dioxide, dry powder or water fog.

Unsuitable extinguishing media: Avoid water in straight hose stream; will scatter and spread fire.

Special hazards arising from the substance or mixture

Specific hazards: When heated and in case of fire, toxic vapors/gases may be formed.

Advice for firefighters

Protective equipment for firefighters: Selection of respiratory protection for fire fighting: follow the general fire precautions indicated in the workplace.
SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Protective equipment: Avoid contact with skin and eyes. Avoid inhalation of dust. For personal protection, see section 8. (*)

Emergency procedures: No specific recommendations. For personal protection, see section 8. (*)

Environmental precautions

Avoid release to the environment.

Methods and material for containment and cleaning up

Spill Cleanup Methods: Dampen spillage with water. Absorb spillage with suitable absorbent material.

Reference to other sections

For personal protection, see section 8. For waste disposal, see section 13.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

Safe handling advice: Avoid contact with skin and eyes. Avoid inhalation of dust. Observe good chemical hygiene practices.

Technical measures: Avoid spreading dust. Work practice should minimize contact.

Technical precautions: Local exhaust is recommended.

Conditions for safe storage, including any incompatibilities

Storage conditions: Store in closed original container in a dry place.

Specific end use(s) Specific use(s): No information available.
SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Occupational exposure limits:

<table>
<thead>
<tr>
<th>CAS-No.</th>
<th>Chemical name</th>
<th>As:</th>
<th>Exposure limits:</th>
<th>Type:</th>
<th>Notes</th>
<th>References</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Zinc stearate, respirable fraction</td>
<td>-</td>
<td>5 mg/m³</td>
<td>TWA</td>
<td>-</td>
<td>OSHA</td>
</tr>
<tr>
<td></td>
<td>Zinc stearate, total dust</td>
<td>-</td>
<td>15 mg/m³</td>
<td>TWA</td>
<td>-</td>
<td>OSHA</td>
</tr>
<tr>
<td></td>
<td>Stearates (does not include stearates of toxic metals), inhalable particulate matter</td>
<td>-</td>
<td>10 mg/m³</td>
<td>TWA</td>
<td>A4</td>
<td>ACGIH</td>
</tr>
<tr>
<td></td>
<td>Stearates (does not include stearates of toxic metals), respirable particulate matter</td>
<td>-</td>
<td>3 mg/m³</td>
<td>TWA</td>
<td>A4</td>
<td>ACGIH</td>
</tr>
</tbody>
</table>

Notes: A4: Not Classifiable as a Human Carcinogen.

Exposure controls

Engineering measures: Provide adequate ventilation. Observe Occupational Exposure Limits and minimize the risk of inhalation of dust. Local exhaust is recommended.

Personal protection: Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

Respiratory equipment: In case of inadequate ventilation and work of brief duration, use suitable respiratory equipment. Use respiratory equipment with particle filter, type P2.

Hand protection: Risk of contact: Wear protective gloves.

Eye protection: Risk of contact: Wear goggles/face shield.

Skin protection: No special precautions.

Environmental Exposure Controls: Not available.
### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

(*)

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Form</td>
<td>Powder</td>
</tr>
<tr>
<td>Color</td>
<td>White</td>
</tr>
<tr>
<td>Odor</td>
<td>Odorless</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>Not available</td>
</tr>
<tr>
<td>pH</td>
<td>Not available</td>
</tr>
<tr>
<td>Melting point</td>
<td>Not available</td>
</tr>
<tr>
<td>Boiling point</td>
<td>Not available</td>
</tr>
<tr>
<td>Flash point</td>
<td>277 °C</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Not available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not available</td>
</tr>
<tr>
<td>Explosion limits</td>
<td>Not available</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>Not available</td>
</tr>
<tr>
<td>Vapor density</td>
<td>Not available</td>
</tr>
<tr>
<td>Relative density</td>
<td>Bulk density: 250 g/l</td>
</tr>
<tr>
<td>Solubility</td>
<td>insoluble in water</td>
</tr>
<tr>
<td>Partition coefficient (n-octanol/water)</td>
<td>Not available.</td>
</tr>
<tr>
<td>Auto-ignition temperature (°F)</td>
<td>Not available</td>
</tr>
<tr>
<td>Decomposition temperature (°F)</td>
<td>Not available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Not available</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>Not available</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>Not available</td>
</tr>
</tbody>
</table>

**Other information**

<table>
<thead>
<tr>
<th>Other data</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Volatile Organic Compound (VOC)</td>
<td>0 g/l</td>
</tr>
</tbody>
</table>

**Product name:** ANTISTICK

**Revision Date:** 2018-11-20

**Document No.:** M0045

**SDS-ID:** US-EN/17.0

**Page:** 5/9

**Print date:** 2018-11-20
SECTION 10: STABILITY AND REACTIVITY

Reactivity
Risk of dust explosion:

Chemical stability
Stable under normal temperature conditions.

Possibility of hazardous reactions
None under normal conditions.

Conditions to avoid
Avoid generation and spreading of dust. Avoid heat, flames and other sources of ignition.

Incompatible materials
No information available.

Hazardous decomposition products
No data available.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute Toxicity (Oral): Based on available data, the classification criteria are not met.
Acute Toxicity (Dermal): Based on available data, the classification criteria are not met.
Acute Toxicity (Inhalation): Based on available data, the classification criteria are not met.
Skin Corrosion/Irritation: Based on available data, the classification criteria are not met.
Serious eye damage/irritation: Based on available data, the classification criteria are not met.
Respiratory or skin sensitization: Based on available data, the classification criteria are not met.
Germ cell mutagenicity: Based on available data, the classification criteria are not met.
Carcinogenicity: Based on available data, the classification criteria are not met.
National Toxicology Program (NTP): No.
I.A.R.C. Monographs: No.
OSHA: No.
Reproductive Toxicity: Based on available data, the classification criteria are not met.
STOT - Single exposure: Based on available data, the classification criteria are not met.
STOT - Repeated exposure: Based on available data, the classification criteria are not met.
Aspiration hazard: Based on available data, the classification criteria are not met.
Inhalation: Dust may irritate throat and respiratory system and cause coughing.
Skin contact: Prolonged contact may cause redness, irritation and dry skin.
Eye contact: Dust in the eyes will cause irritation.
Ingestion: May irritate and cause malaise.
Specific effects: No information available.
SECTION 12: ECOLOGICAL INFORMATION

**Toxicity**
Ecotoxicity: The product is not expected to be hazardous to the environment.

**Persistence and degradability**
Degradability: The degradability of the product has not been stated.

**Bioaccumulative potential**
Bioaccumulative potential: No data available on bioaccumulation.

**Mobility in soil**
Mobility: No data available.

**Results of PBT and vPvB assessment**
PBT/vPvB: No information available.

**Other adverse effects**
Other adverse effects: None known.

SECTION 13: DISPOSAL CONSIDERATIONS

**Waste treatment methods**
Waste from residues: Dispose of waste and residues in accordance with local authority requirements.
Contaminated packaging: Dispose of waste and residues in accordance with local authority requirements.

SECTION 14: TRANSPORT INFORMATION
The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, DOT).

**UN number**
UN-No: -

**UN proper shipping name**
Proper Shipping Name: -

**Transport hazard class(es)**
Class: -

**Packing group**
PG: -

**Environmental hazards**
Marine pollutant: -
Environmentally Hazardous substance: -

**Special precautions for user**
Special precautions: None known.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**
Transport in bulk: Not relevant.
SECTION 15: REGULATORY INFORMATION

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

Special provisions:
State and local regulation may apply.

TSCA: Listed.

NFPA Rating: Health: 1  Fire: 1  Reactivity: 0  Other:-

SARA Section 302: No.
SARA Section 304: No.
SARA Section 313: No.
SARA (311/312) Hazard categories: No.

National regulation:
The following lists have been checked:
Threshold Limit Values (2018), ACGIH, by the American Conference on Governmental Industrial Hygienists.
NIOSH Pocket Guide to Chemical Hazards.
The Code of Federal Regulation, Title 40, part 261.33. Identification and listing of hazardous waste.
SECTION 16: OTHER INFORMATION

The user must be instructed in the proper work procedure and be familiar with the contents of these instructions.

The following sections contain revisions or new statements: 6, 9.
The (*) indicates the changes made with respect to the previous version.

Approved by DHI.

Allan Vorup

Additional information: Classification according to HCS 2012:
Calculation method.

The information on this data sheet represents our current data and is reliable provided that the product is used under the prescribed conditions and in accordance with the application specified on the packaging and/or in the technical guidance literature. Any other use of the product which involves using the product in combination with any other product or any other process is the responsibility of the user.

Made by DHI - Environment and Toxicology, Agern Allé 5, DK-2970 Hørsholm, Denmark.