1. Identification of the Substance/Preparation and of the Company/Undertaking

Product name: Polypropylene foam

Product identifier: SCF600

Product Code: P020-00012809-0029

Supplier Address: Nitto Denko Corporation Toyohashi Plant
18, Hirayama, Nakahara-cho, Toyohashi, Aichi, 441-3194, Japan
TEL.+81-532-41-7242, FAX. +81-532-41-7284

Department responsible: Quality Management Dept. Administration Div

Emergency telephone number: +81-532-41-1121(TOYOHASHI PLANT)

Recommended Use: For damping, shading, sound roofing, dust proofing and sealing of office automation machines and house-use electric appliances.

2. Hazards Identification

Classification of the substance or mixture: Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

3. Composition/information on Ingredients

Single Substance or Mixture

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Article</th>
<th>CAS No.</th>
<th>Concentration or concentration ranges</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polypropylene foam</td>
<td>-</td>
<td>91-93</td>
<td></td>
</tr>
<tr>
<td>Carbon black</td>
<td>1333-86-4</td>
<td>7.9</td>
<td></td>
</tr>
</tbody>
</table>

* The exact percentage (concentration) of composition has been withheld as a trade secret

4. First aid measures

If inhaled: Will not occur

Skin: Wash with plenty of water and soap
In the case of skin irritation or allergic reactions see a physician

Eyes: Immediately flush with large amounts of water for at least 15 minutes. Examination and treatment by a physician if necessary

Ingestion: Immediately induce vomiting and then consult a doctor

Most important symptoms/effects, acute and delayed: No information available

Self-protection of the first aider: No information available

Note to physicians: No information available

5. Fire-fighting measures

Fire extinguishing agent: Water
ABC-powder
Extinguishing powder
Carbon dioxide (CO2)

Prohibited media: No information available

Special exposure hazards in a fire: No information available

Specific extinguishing methods: No information available

Advice for fire-fighters: Due to poisonous gas (chlorine gas and so on) may be occurred, if needed, use Gas mask and Goggles

6. Accidental release measures

Personal Precautions: Will not occur. Not specified

Protective equipment and emergency procedures: Will not occur. Not specified

Environmental precautions: Will not occur. Not specified

Methods and material for containment and cleaning up: Will not occur. Not specified
7. Handling and Storage

Treatment

Technical measures:
- Do not give excessive impact and do not pile up one on another
- Local and general exhaust ventilation: Not required for use in normal temperature
- Precautions for safe handling: Provide adequate ventilation when performing high-temperature processing

Storage

Technical measures: None in particular

Storage Conditions:
- Store at room temperature and normal humidity away from direct sunlight
- Avoid high temperature

8. Exposure Controls/Personal Protection

Control parameters
- Unset

Permissible concentration
- Unset

Appropriate engineering controls
- Not required

Personal protective equipment [PPE]

Respiratory Protection:
- Not required

Hand Protection:
- Not required

Eye protection:
- Not required

Skin protection:
- Not required

General Hygiene Considerations
- None under normal use conditions

9. Physical and Chemical Properties

Physical State:
- Sheet or roll (solid)

paint:
- Black

Odor:
- None in particular

pH:
- No data available

Melting point / Freezing point:
- No data available

Boiling point:
- No data available

Boiling point / boiling range:
- No data available

Flash Point:
- No data available

Autoignition temperature:
- No data available

vapor pressure:
- No data available

Specific gravity:
- Approx 0.055

Solubility:
- Insoluble in water

Partition coefficient:
- No data available

decomposition temperature:
- No data available

10. Stability and Reactivity

Reactivity:
- Stable under normal conditions of use and storage

Possibility of Hazardous Reactions:
- No data available

Conditions to avoid:
- No information available

Incompatible materials:
- No data available

Hazardous decomposition products:
- No information available

11. Toxicological Information

Acute Toxicity:
- No information available

Skin corrosion/irritation:
- No information available

Serious eye damage/eye irritation:
- No information available

Respiratory sensitization:
- No information available

Germ cell mutagenicity:
- No information available

Carcinogenicity:
- No information available

Reproductive Toxicity:
- No information available

Specification target internal organs/systemic toxicity (single exposure):
- No information available

Specification target internal organs/systemic toxicity (repeat exposure):
- No information available
12. Ecological Information

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aspiration hazard</td>
<td>No information available</td>
</tr>
<tr>
<td>Persistence and degradability</td>
<td>No information available</td>
</tr>
<tr>
<td>Bioaccumulation</td>
<td>No information available</td>
</tr>
<tr>
<td>Mobility</td>
<td>No information available</td>
</tr>
<tr>
<td>Ozone depletion potential (ODP)</td>
<td>No information available</td>
</tr>
</tbody>
</table>

13. Disposal Considerations

**Waste treatment methods**
Disposal should be in accordance with applicable regional, national and local laws and regulations.
When burning it, use an incinerator which satisfies its technical guidelines (the residence time is 2 seconds or more at a temperature of 800 °C centigrade or more).
Contact an authorized industrial waste treatment company for off-site disposal.

**Contaminated packaging**
Contact a recycling manufacturer.

14. Transport Information

<table>
<thead>
<tr>
<th>National regulations</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transport hazard class</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>UN/ID-Nr</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Japanese regulation</td>
<td>Not Applicable</td>
</tr>
</tbody>
</table>

**Special precautions in connection with transport or conveyance**
Do not store in long term under high temperature or leave outdoors.

15. Regulatory information

<table>
<thead>
<tr>
<th>Local regulation</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Japanese regulation Fire Service Act</td>
<td>Designated flammable material (Synthetic resins : Foam)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Foreign regulation</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contact NITTO for more information</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>REACH 7 Article 33 Article SVHC notification (&gt; 0.1wt%)</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not Applicable</td>
<td></td>
</tr>
</tbody>
</table>

16. Other information

<table>
<thead>
<tr>
<th>Details</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Issue date:</td>
<td>16-Sep-2014</td>
</tr>
<tr>
<td>Date prepared</td>
<td>17-Jun-2016</td>
</tr>
<tr>
<td>Version</td>
<td>4</td>
</tr>
<tr>
<td><strong>other information:</strong></td>
<td>The regulatory information presented here should not necessarily be considered as all-inclusive. Other local and international regulations may also apply.</td>
</tr>
</tbody>
</table>
| **Key literature references and sources for data**| JIS Z 7252 : 2009 Classification of chemicals based on "Globally Harmonized System of Classification and Labelling of Chemicals (GHS)"  
JIS Z7253 : 2012 Safety data sheet for chemical products -Content and order of sections |
| **Disclaimer**                                   | Contents are based on documents, information and data which are available at this time, but nothing is guaranteed as regards content, physical and chemical properties, hazards. Also precautions are subject to ordinary handling, so please take safety measures as usage in special cases. |

End of Material Safety Data Sheet