SAFETY DATA SHEET

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

1.1 Product identifier
Product Name: TotalBoat Glass Microballoons

1.2 Relevant identified uses of the substance or mixture and uses advised against
Identified use(s): Specialty engineering additive in plastics. E.g. it is added to modify the density, impact resistance, wear resistance, provide thermal or acoustic insulation in plastics and thermoset systems.

1.3 Supplier's Details
Supplier Identification: TOTALBOAT LLC
17 Peckham Drive
Bristol, RI 02809
Telephone: 1-800-497-0010
Fax: 1-401-254-5829

1.4 Emergency telephone number
Emergency Phone No.: Infotrac: 1-800-535-5053 (or go to www.infotrac.net)

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture
GHS Classification: Not classified as dangerous for supply/use.

Hazard summary: Dust may cause irritation. Caution - spillages may be slippery.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>%W/W</th>
<th>CAS No.</th>
<th>EINECS No. / REACH Registration</th>
<th>EC Classification and Risk Phrases</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amorphous Sodium</td>
<td>&gt;95</td>
<td>50815-87-7</td>
<td>Exempt</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Borosilicate</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Synthetic amorphous silica</td>
<td>&lt;5</td>
<td>7631-86-9</td>
<td>231-545-4</td>
<td>Not applicable.</td>
</tr>
</tbody>
</table>

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures
Eye Contact: Irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 15 minutes. If symptoms persist, obtain medical attention.

Skin Contact: Wash affected skin with plenty of water. If symptoms occur obtain medical attention.

Inhalation: In case of accident by inhalation: remove casualty to fresh air and keep at rest. If symptoms develop, obtain medical attention.

Ingestion: Get medical advice/attention.

4.2 Most important symptoms and effects, both acute and delayed
Dust may cause irritation. Caution - spillages may be slippery.
4.3 Indication of any immediate medical attention and special treatment needed

Flush the contaminated area of body with large amounts of water.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing media
Suitable Extinguishing Media
As appropriate for surrounding fire.

Unsuitable extinguishing Media
None known.

5.2 Special hazards arising from the substance or mixture
Non-combustible.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures
Wear suitable protective clothing. Wear eye/face protection.
An approved dust mask should be worn if dust is generated during handling.
See Also Section 8.

6.2 Environmental precautions
Floats on water.

6.3 Methods and materials for containment and cleaning up
Caution - spillages may be slippery. Avoid generation of dust.
Use vacuum equipment for collecting spilt materials, where practicable. Transfer to a container for disposal or recovery.

6.4 Reference to other sections
Not applicable.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling
Avoid contact with skin, eyes or clothing. Avoid generation of dust. Wash thoroughly after handling.
Wear protective equipment to comply with good occupational hygiene practice.
Do not eat, drink or smoke at the work place.

7.2 Conditions for safe storage, including any incompatibilities
Keep container tightly closed and dry. In case of high humidity or storage for extended periods of time, use plastic bags to enclose product containers to avoid caking.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

<table>
<thead>
<tr>
<th>SUBSTANCE</th>
<th>Occupational Exposure Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Synthetic amorphous</td>
<td>ACGIH: Particulates not otherwise classified</td>
</tr>
</tbody>
</table>

8.2 Exposure controls
8.2.1 Appropriate engineering controls
Use only with adequate ventilation to keep exposures (airborne levels of dust, fume, vapour etc) below recommended exposure limits.

8.2.2 Personal Protection
Respiratory protection
Avoid inhalation of dusts. Wear suitable respiratory protective equipment if exposure to levels above the occupational exposure limit is likely.
Eye/face protection
Chemical goggles (EN 166).
Skin protection
Wear suitable protective clothing and gloves. For example PVC or rubber gloves.

8.2.3 Environmental Exposure Controls
Local exhaust recommended.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties
Appearance  Powder. White.
Odour  Odourless.
pH (Value)  Not applicable.
Freezing Point (°C)  Not applicable.
Melting Point (°C)  Not applicable.
Boiling Point (°C)  Not applicable.
Flash Point (°C) [Closed cup]  Not applicable.
Evaporation rate  Not applicable.
Flammability (solid, gas)  Not applicable.
Explosive Limit Ranges  Not applicable.
Vapour Pressure (mm Hg)  Not applicable.
Vapour Density (Air=1)  Not applicable.
Density (g/ml)  Not applicable.
Solubility (Water)  Soluble.
Solubility (Other)  Not available.
Partition Coefficient  Not available.
Auto Ignition Point (°C)  Not applicable.
Decomposition Temperature (°C)  Not applicable.
Viscosity (mPa.s)  Not applicable.
Explosive properties  Not applicable.
Oxidising Properties  Not applicable.
9.2 Other information  Not applicable.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity  Avoid contact with strong acids
10.2 Chemical stability  Stable.
10.3 Possibility of hazardous reactions  None known.
10.4 Conditions to avoid  None known.
10.5 Incompatible materials  Strong acids
10.6 Hazardous decomposition product(s)  None known.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects
Acute toxicity
Ingestion  Avoid ingestion. May be harmful if swallowed.
Inhalation  When a similar material was tested for respiratory toxicity in a 6-month intratracheal study in rats, no mortalities, untoward reaction, or observation correlated with exposure to the material. Minimal multifocal inflammation of the lung occurred in 90% of males and 80% of females. No appreciable increase in fibrous tissue was present in these lesions.
Skin Contact  When tested for primary irritation potential, this material caused mild eye irritation and slight skin irritation.
Eye Contact  When tested for primary irritation potential, this material caused mild eye irritation and slight skin irritation.
Sensitization  It is not a skin sensitizer.
Carcinogenicity  IARC, NTP, OSHA, ACGIH do not list this product or any components thereof as known or suspected carcinogen.

SECTION 12: ECOLOGICAL INFORMATION
12.1 Toxicity
No data available on mixture. The following data is reported for sodium silicates: a 96 hour median tolerance for fish (Gambusia affinis) of 2320 ppm; a 96 hour median tolerance for water fleas (Daphnia magna) of 247 ppm.

12.2 Persistence and degradability
No data available on mixture.

12.3 Bioaccumulative potential
No data available on mixture.

12.4 Mobility in soil
No data available on mixture.

12.5 Results of PBT and vPvB assessment
Not classified as PBT or vPvB.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods
The waste is considered to be non hazardous. Disposal should be in accordance with local, state or national legislation.

SECTION 14: TRANSPORT INFORMATION

14.2 Proper Shipping Name
NOT CLASSED AS DANGEROUS FOR TRANSPORT.

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
TSCA Inventory Status: Reported/Included.
AICS Inventory Status: Reported/Included.
DSL/NDSL Inventory Status: Reported/Included.
German Water Hazard Classification VwVwS. WGK class 1 (low hazard to water).
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SECTION 16: OTHER INFORMATION

Reviewed and reconfirmed, no significant changes.

This SDS was last reviewed: 10/2014
The following sections contain revisions or new statements:

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