1. Identification

1.1 Identification

Product Name: IC3D Standard TPE-SEBS-95A Black

Additional Identification

Chemical name: Thermoplastic Elastomer

1.2 Recommended use and restriction on use

Recommended use: Filament

Restrictions on use: None identified.

1.3 Details of the supplier of the safety data sheet

Supplier

Company Name: IC3D, Inc
Address: 1697 Westbelt Drive
          Columbus, OH 43228
Telephone: 614-344-0414

2. Hazard(s) identification

<table>
<thead>
<tr>
<th>Section</th>
<th>Hazard class</th>
<th>Category</th>
<th>Hazard Class &amp; Category</th>
<th>Hazard Statement</th>
</tr>
</thead>
<tbody>
<tr>
<td>A.6</td>
<td>Carcinogenicity</td>
<td>1A</td>
<td>Carc. 1A</td>
<td>H350</td>
</tr>
</tbody>
</table>

2.1 Hazard Classification


2.2 Label Elements:

Hazard Symbol: GHS08

Signal Word:

Hazard Statement: H305

Precautionary Statements:

P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P308+P313 - If exposed or concerned: Get medical advice/attention.
P405 - Store locked up.
P501 - Dispose of contents/container in accordance with local/regional/national/international regulations

Hazardous ingredients for labelling: quartz

2.3 Other hazards which do not Result in GHS classification: None identified

Results of PBT and vPvB assessment
This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

### 3. Composition/Information on ingredients

#### 3.1 Substances: Not relevant (mixture)

#### 3.2 Description of the mixture: Thermoplastic elastomer with additives

<table>
<thead>
<tr>
<th>Name of Substance</th>
<th>Identifier</th>
<th>Wt%</th>
<th>Classification acc. to GHS</th>
<th>Pictogram</th>
<th>Notes</th>
<th>Specific Conc. Limits</th>
<th>M-Factors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon Black</td>
<td>CAS No 1333-86-4</td>
<td>0.1-&lt;1</td>
<td>Carc. 2 / H351 cD / OSHA003</td>
<td></td>
<td>IARC: 2B</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Quartz</td>
<td>CAS No 14808-60-7</td>
<td>0.1-&lt;1</td>
<td>Carc. 1A/H350 STOT RE 1/H372</td>
<td></td>
<td>IARC: 1 IOELV</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Notes:**
- IARC: 1: IARC group 1: carcinogenic to humans (International Agency for Research on Cancer)
- IARC: 2B: IARC group 2B: possibly carcinogenic to humans (International Agency for Research on Cancer)
- IOELV: Substance with a community indicative occupational exposure limit value

**Composition Comments:** The specific percentage (concentration) of composition has been withheld as a trade secret

### 4. First-aid measures

#### 4.1 Description of first aid measures

**Ingestion:** Rinse mouth. Do not induce vomiting. Get medical advice/attention.

**Inhalation:** Provide fresh air. If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions

**Skin Contact:** Rinse skin with water/shower. After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water and soap.

**Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention.

**General Notes:** Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice.

#### 4.2 Information for physician

**Most important symptoms/effects, acute and delayed:** This information is not available.

**Indication of immediate medical attention and special treatment needed:** None

### 5. Fire-fighting measures
5.1 Extinguishing media

**Suitable extinguishing media:** water, foam, alcohol resistant foam, fire extinguishing powder

**Unsuitable extinguishing media:** water jet

5.2 Specific hazards during fire fighting

**Specific hazards arising from the chemical:**
Hazardous decomposition products: Section 10. Deposited combustible dust has considerable explosion potential. Hazardous combustion products: carbon monoxide (CO), carbon dioxide (CO2)

5.3 Advice for firefighters:

In case of fire and/or explosion do not breathe fumes. Coordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

**Special protective equipment for fire-fighters:** Self-contained breathing apparatus (SCBA)

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

**For nonemergency personnel:** Remove persons to safety. Ventilate affected areas. Control of dust. Eliminate all ignition sources if safe to do so. Do not breathe dust. Do not get in eyes, on skin, or on clothing. Wearing of suitable protective equipment (including personal equipment referred to under Section 8) to prevent any contamination of skin, eyes and personal clothing.

**For emergency responders:** Wear breathing apparatus if exposed to vapors/dust/aerosols/gases

6.2 Environmental Precautions:

Keep away from drains, surface and groundwater. Retain contaminated washing water and dispose of it.

6.3 Methods and material for containment and cleaning up:

**Advice on how to contain/clean a spill:** take up mechanically. Collect spillage.

**Other information relating to spills and releases:** place in appropriate containers for disposal. Ventilate affected areas.

**Reference to other sections:**
Hazardous combustion products: see section 5
Personal protective equipment: see section 8
Incompatible materials: see section 10
Disposal considerations: see section 13

7. Handling and storage

7.1 Advice on protection against fire and explosion:

**Measures to prevent fire as well as aerosol and dust generation:** Use local and general ventilation. Keep away from sources of ignition - no smoking.

7.2 Precautions for safe handling:

**Specific notes:** Dust deposits may accumulate on all deposition surfaces in a technical room.

**Measures to protect the environment:** avoid release to the environment

**Advice on general occupational hygiene:** Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Do not breathe dust. Do not get in eyes, on skin, or on clothing. Wash hands thoroughly after handling. Preventive skin
7.3 Conditions for safe storage, including any incompatibilities:

**Explosive atmospheres:** removal of dust deposits

**Flammability hazards:** Keep away from sources of ignition - no smoking.

**Incompatible substances or mixtures:** Incompatible materials: see section 10

Protect against external exposure, such as heat.

**Consideration of other advice:** Keep away from food, drink and animal feedingstuffs.

**Ventilation requirements:** provision of sufficient ventilation

**Packaging compatibilities:** Keep only in original packaging

**Specific end use(s):** 3D printing

### 8. Exposure controls/personal protection

#### 8.1 Ingredients with workplace control parameters:

<table>
<thead>
<tr>
<th>Country</th>
<th>Name of agent</th>
<th>CAS No</th>
<th>Identi-fi er</th>
<th>TWA (ppm)</th>
<th>TWA (mg/m³)</th>
<th>STEL (ppm)</th>
<th>STEL (mg/m³)</th>
<th>Notation</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>US</td>
<td>Particulates not otherwise regulated</td>
<td></td>
<td>PEL (CA)</td>
<td>10</td>
<td></td>
<td></td>
<td></td>
<td>dust</td>
<td>Cal/OSHA PEL</td>
</tr>
<tr>
<td>US</td>
<td>Particulates not otherwise regulated</td>
<td></td>
<td>PEL (CA)</td>
<td>5</td>
<td></td>
<td></td>
<td></td>
<td>r</td>
<td>Cal/OSHA PEL</td>
</tr>
<tr>
<td>US</td>
<td>Particulates not otherwise classified</td>
<td></td>
<td>REL</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>appx-D</td>
<td>NIOSH REL</td>
</tr>
<tr>
<td>US</td>
<td>Particulates not otherwise classified (PNOC)</td>
<td>1333-86-4</td>
<td>PEL</td>
<td>1,766</td>
<td>15</td>
<td></td>
<td>i, dust</td>
<td>29 CFR 1910.1000</td>
<td></td>
</tr>
<tr>
<td>US</td>
<td>Particulates not otherwise classified (PNOC)</td>
<td>1333-86-4</td>
<td>PEL</td>
<td>529.5</td>
<td>5</td>
<td></td>
<td>partml, r, dust</td>
<td>29 CFR 1910.1000</td>
<td></td>
</tr>
<tr>
<td>US</td>
<td>Carbon black in presence of polycyclic aromatic hydrocarbons (PAHs)</td>
<td>1333-86-4</td>
<td>REL</td>
<td>0.1 (10h)</td>
<td></td>
<td></td>
<td>PAHs, appx-A, appx-C</td>
<td>NIOSH REL</td>
<td></td>
</tr>
<tr>
<td>US</td>
<td>carbon black</td>
<td>1333-86-4</td>
<td>PEL (CA)</td>
<td>3.5</td>
<td></td>
<td></td>
<td></td>
<td>Cal/OSHA PEL</td>
<td></td>
</tr>
<tr>
<td>US</td>
<td>carbon black</td>
<td>1333-86-4</td>
<td>PEL</td>
<td>3.5</td>
<td></td>
<td></td>
<td></td>
<td>29 CFR 1910.1000</td>
<td></td>
</tr>
<tr>
<td>US</td>
<td>carbon black</td>
<td>1333-86-4</td>
<td>REL</td>
<td>3.5 (10h)</td>
<td></td>
<td></td>
<td>appx-A, appx-C</td>
<td>NIOSH REL</td>
<td></td>
</tr>
</tbody>
</table>

https://ic3dprinters.com/
## Safety Data Sheet
### IC3D Standard TPE-SEBS-95A Black
#### Version: 2.0
##### Revision Date: 2/22/22

<table>
<thead>
<tr>
<th>US</th>
<th>Talc</th>
<th>PEL (CA)</th>
<th>TWA</th>
<th>+asb, fib/cm³</th>
<th>Cal/OSHA PEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>US</td>
<td>Talc</td>
<td>14807-96-6</td>
<td>PEL</td>
<td>0.1</td>
<td>1 (30 min)</td>
</tr>
<tr>
<td>US</td>
<td>Talc</td>
<td>14807-96-6</td>
<td>PEL</td>
<td>2</td>
<td>no_asb, r, less1silica</td>
</tr>
<tr>
<td>US</td>
<td>Talc</td>
<td>14807-96-6</td>
<td>PEL</td>
<td>706</td>
<td>partml, noAsb_less1Sil,r</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>US</th>
<th>Talc</th>
<th>REL</th>
<th>STEL</th>
<th>r, less1silica, no_asb</th>
<th>NIOSH REL</th>
</tr>
</thead>
<tbody>
<tr>
<td>US</td>
<td>Quartz</td>
<td>14808-60-7</td>
<td>PEL</td>
<td>0.05</td>
<td>r</td>
</tr>
<tr>
<td>US</td>
<td>Silica, crystalline-quartz</td>
<td>PEL</td>
<td>0.05</td>
<td>r</td>
<td>29 CFR 1910.1000</td>
</tr>
</tbody>
</table>

### Relevant DNELs of components of the mixture

<table>
<thead>
<tr>
<th>Name of substance</th>
<th>CAS No</th>
<th>End-point</th>
<th>Threshold level</th>
<th>Protection goal, route of exposure</th>
<th>Used in</th>
<th>Exposure time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon black</td>
<td>1333-86-4</td>
<td>DNEL</td>
<td>1 mg/m³</td>
<td>Human, inhalatory</td>
<td>Worker (industry)</td>
<td>Chronic-systemic effects</td>
</tr>
<tr>
<td>Carbon black</td>
<td>1333-86-4</td>
<td>DNEL</td>
<td>0.5 mg/m³</td>
<td>Human, inhalatory</td>
<td>Worker (industry)</td>
<td>Chronic-local effects</td>
</tr>
<tr>
<td>Carbon black</td>
<td>1333-86-4</td>
<td>DNEL</td>
<td>0.06 mg/m³</td>
<td>Human, inhalatory</td>
<td>Consumer (private households)</td>
<td>Chronic-systemic effects</td>
</tr>
</tbody>
</table>

### Notation
- +asb: containing asbestos fibers
- appx-A: NIOSH Potential Occupational Carcinogen (Appendix A)
- appx-C: Appendix C - Supplementary Exposure Limits
- appx-D: see Appendix D - Substances with No Established RELs
- dust: as dust
- fib/cm³: fibers/cm³
- fib/ml: fibers/ml
- i: inhalable fraction
- less1silica: with less than 1% free crystalline silica
- no_asb: containing no asbestos fibers
- noAsb-less: contains no asbestos and less than 1% free crystalline silica
- 1Sil: as polycyclic aromatic hydrocarbons (PAHs)
- partml: particles/ml
- r: respirable fraction
- STEL: short-term exposure limit: a limit above which exposure should not occur and which is related to a 15-minute period (unless otherwise specified)
- TWA: time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours time-weighted average (unless otherwise specified)
8.2 Individual protection measures, such as personal protective equipment

**Eye/face protection:** Wear eye/face protection

**Hand Protection:** Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leak-tightness/impermeability to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

**Respiratory protection:** In case of inadequate ventilation wear respiratory protection. Particulate filter device (EN 143).

8.3 Environmental exposure controls:

Use appropriate containers to avoid environmental contamination. Keep away from drains, surface and groundwater.

9. Physical and chemical properties

<table>
<thead>
<tr>
<th>Appearance</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Physical state:</strong></td>
</tr>
<tr>
<td><strong>Form:</strong></td>
</tr>
<tr>
<td><strong>Color:</strong></td>
</tr>
<tr>
<td><strong>Odor:</strong></td>
</tr>
<tr>
<td><strong>Odor threshold:</strong></td>
</tr>
<tr>
<td><strong>pH:</strong></td>
</tr>
<tr>
<td><strong>Melting Point:</strong></td>
</tr>
<tr>
<td><strong>Boiling Point:</strong></td>
</tr>
<tr>
<td><strong>Flash Point:</strong></td>
</tr>
<tr>
<td><strong>Evaporation rate:</strong></td>
</tr>
<tr>
<td><strong>Flammability (solid, gas):</strong></td>
</tr>
<tr>
<td><strong>Upper/lower limit on flammability or explosive limits</strong></td>
</tr>
</tbody>
</table>
### Flammability limit
- **Flammability limit - upper (%):** No data available
- **Flammability limit - lower (%):** No data available

### Explosive limit
- **Explosive limit - upper (%):** No data available
- **Explosive limit - lower (%):** No data available

### Vapor properties
- **Vapor pressure:** No data available
- **Vapor density:** No data available
- **Relative density:** No data available

### Solubilities
- **Solubility in water:** Insoluble
- **Solubility (other):** No data available

### Partition coefficient
- **Partition coefficient (n-octanol/water):** No data available

### Auto-ignition temperature
- **Auto-ignition temperature:** Not relevant (solid matter)

### Decomposition temperature
- **Decomposition temperature:** No data available

### Viscosity
- **Viscosity:** Not relevant (solid matter)

### Oxidizing properties
- **Oxidizing properties:** Not classified as oxidizing

## 10. Stability and reactivity

### 10.1 Reactivity
This material is not reactive under normal ambient conditions.

### 10.2 Chemical Stability
The material is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure. **Possibility of hazardous reactions:** No known hazardous reactions. **Conditions to avoid:** Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. The product in the delivered form is not dust explosion capable; the enrichment of fine dust however leads to the danger of dust explosion. **Incompatible Materials:** Oxidizers **Hazardous Decomposition Products:** Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

## 11. Toxicological information

### 11.1 Information on toxicological effect
**Classification procedure:** If not otherwise specified the classification is based on: ingredients of the mixture (additivity formula).

Safety Data Sheet  
IC3D Standard TPE-SEBS-95A Black  
Version: 2.0  
Revision Date: 2/22/22

**Acute toxicity:** Classification could not be established because data are lacking, inconclusive, or conclusive but not sufficient for classification

<table>
<thead>
<tr>
<th>Name of substance</th>
<th>CAS No</th>
<th>Exposure route</th>
<th>Endpoint</th>
<th>Value</th>
<th>Species</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>carbon black</td>
<td>1333-86-4</td>
<td>oral</td>
<td>LD50</td>
<td>&gt;10,000 mg/kg</td>
<td>rat</td>
<td>OECD Guideline 401</td>
</tr>
<tr>
<td>carbon black</td>
<td>133386-4</td>
<td>dermal</td>
<td>LD50</td>
<td>&gt; 3,000 mg/kg</td>
<td>rabbit</td>
<td>-</td>
</tr>
</tbody>
</table>

**Skin Corrosion/Irritation:** Classification could not be established because data are lacking, inconclusive, or conclusive but not sufficient for classification

**Serious Eye Damage/Eye Irritation:** Classification could not be established because data are lacking, inconclusive, or conclusive but not sufficient for classification

**Respiratory sensitization:** Classification could not be established because data are lacking, inconclusive, or conclusive but not sufficient for classification

**Skin sensitization:** Classification could not be established because data are lacking, inconclusive, or conclusive but not sufficient for classification

**Carcinogenicity:** May cause cancer

### IARC Monographs on the Evaluation of Carcinogenic Risks to Humans

<table>
<thead>
<tr>
<th>Name of substance</th>
<th>CAS No</th>
<th>Classification</th>
<th>Remarks</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>quartz</td>
<td>14808-60-7</td>
<td>1</td>
<td>in the form of quartz or cristobalite</td>
<td>-</td>
</tr>
<tr>
<td>carbon black</td>
<td>1333-86-4</td>
<td>2B</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

1 Carcinogenic to humans  
2B Possibly carcinogenic to humans

**US. National Toxicology Program:** None of the ingredients are listed.

**OSHA Carcinogens:** None of the ingredients are listed.

**Germ Cell Mutagenicity:** Classification could not be established because data are lacking, inconclusive, or conclusive but not sufficient for classification

**Reproductive toxicity:** Classification could not be established because data are lacking, inconclusive, or conclusive but not sufficient for classification

**Specific Target Organ Toxicity - Repeated Exposure:** Classification could not be established because data are lacking, inconclusive, or conclusive but not sufficient for classification

12. Ecological information

12.1 Toxicity
Safety Data Sheet
IC3D Standard TPE-SEBS-95A Black
Version: 2.0
Revision Date: 2/22/22

Aquatic toxicity (acute): Test data are not available for the complete mixture

<table>
<thead>
<tr>
<th>Name of substance</th>
<th>CAS No</th>
<th>Endpoint</th>
<th>Value</th>
<th>Species</th>
<th>Method</th>
<th>Exposure time</th>
</tr>
</thead>
<tbody>
<tr>
<td>carbon black</td>
<td>1333-86-4</td>
<td>ErC50</td>
<td>&gt;10,000 mg/l</td>
<td>algae (Desmodesmus subspicatus)</td>
<td>OECD Guideline 201</td>
<td>72 h</td>
</tr>
<tr>
<td>carbon black</td>
<td>1333-86-4</td>
<td>ErC50</td>
<td>&gt;10,000 mg/l</td>
<td>algae (Desmodesmus subspicatus)</td>
<td>OECD Guideline 201</td>
<td>72 h</td>
</tr>
<tr>
<td>carbon black</td>
<td>1333-86-4</td>
<td>ErC50</td>
<td>&gt;10,000 mg/l</td>
<td>daphnia magna</td>
<td>OECD Guideline 202</td>
<td>24 h</td>
</tr>
</tbody>
</table>

Aquatic toxicity (chronic): Test data are not available for the complete mixture.

<table>
<thead>
<tr>
<th>Name of substance</th>
<th>CAS No</th>
<th>Endpoint</th>
<th>Value</th>
<th>Species</th>
<th>Method</th>
<th>Exposure time</th>
</tr>
</thead>
<tbody>
<tr>
<td>carbon black</td>
<td>1333-86-4</td>
<td>NOEC</td>
<td>&gt;10,000 mg/l</td>
<td>algae (Desmodesmus subspicatus)</td>
<td>OECD Guideline 201</td>
<td>72 h</td>
</tr>
<tr>
<td>carbon black</td>
<td>1333-86-4</td>
<td>growth (EbCx) 10%</td>
<td>&gt;10,000 mg/l</td>
<td>algae (pseudokirchneriella subcapitata)</td>
<td>OECD Guideline 201</td>
<td>72 h</td>
</tr>
<tr>
<td>carbon black</td>
<td>1333-86-4</td>
<td>growth rate (ErCx) 10%</td>
<td>&gt;10,000 mg/l</td>
<td>algae (pseudokirchneriella subcapitata)</td>
<td>OECD Guideline 201</td>
<td>72 h</td>
</tr>
</tbody>
</table>

12.2 Persistence and Degradability
Biodegradation: No data available
Persistence: No data available

12.3 Bio accumulative potential: Test data are not available for the complete mixture.

12.4 Mobility in soil: No data available

12.5 Other adverse effects: No data available
Results of PBT & vPvB assessment: No data available
Remarks: Wassergefährdungsklasse, WGK (water hazard class): 1

13. Disposal considerations

13.1 Waste treatment methods:
Dispose of contents/container in accordance with local/regional/national/international regulations.
Sewage disposal-relevant information: Do not empty into drains.
Waste treatment of containers: Handle contaminated packages the same way as the substance itself.
Remarks: Please consider the relevant national or regional provisions.
14. Transport information

14.1 International Regulations
UN Number
Not subject to transport regulations
UN proper shipping name
- Transport hazard class(es)
- Packing group
- Environmental hazards
- Special precautions for user
- Transport in bulk according to Annex II of MARPOL and the IBC Code
- 

14.2 Domestic Regulation
Transport of dangerous goods by road or rail (49 CFR US DOT). Not subject to transport regulations

15. Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question
National regulations (United States)
Superfund Amendments and Reauthorization Act of 1986 (SARA Title III)
The list of Extremely Hazardous Substances and Their Threshold Planning Quantities (EPCRA Section 302, 304) - None of the ingredients are listed
Specific Toxic Chemical Listings (EPCRA Section 313) - None of the ingredients are listed
Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)
List of Hazardous Substance and Reportable Quantities (CERCLA Section 102a) (40 CFR 302.4) - None of the ingredients are listed
Clear Air Act - None of the ingredients are listed

Right to Know Hazardous Substance List
Hazardous Substance List (NJ-RTK)

<table>
<thead>
<tr>
<th>Name of substance</th>
<th>CAS No</th>
<th>Remarks</th>
<th>Classifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>quartz</td>
<td>14808-60-7</td>
<td>-</td>
<td>CA.</td>
</tr>
<tr>
<td>carbon black</td>
<td>1333-86-4</td>
<td>-</td>
<td>CA.</td>
</tr>
</tbody>
</table>

CA  Carcinogenic

15.2 Chemical Safety Assessment
CA Regulations: The following materials in their airborne, unbound particles of respirable size have been found to cause cancer Proposition 65: carbon black and quartz.

15.3 Industry or sector specific available guidance(s)
Safety Data Sheet
IC3D Standard TPE-SEBS-95A Black
Version: 2.0
Revision Date: 2/22/22

Chronic  *  chronic (long-term) health effects may result from repeated overexposure
Health  0  no significant risk to health
Flammability  2  material that must be moderately heated or exposed to relatively high ambient temperatures before ignition can occur
Physical Hazard  0  material that is normally stable, even under fire conditions, and will not react with water, polymerize, decompose, condense, or self-react. Non-explosive.
Personal Protection  -  -


<table>
<thead>
<tr>
<th>Category</th>
<th>Degree of Hazard</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flammability</td>
<td>2</td>
<td>material that must be moderately heated or exposed to relatively high ambient temperatures before ignition can occur</td>
</tr>
<tr>
<td>Health</td>
<td>0</td>
<td>material that, under emergency conditions, would offer no hazard beyond that of ordinary combustible material</td>
</tr>
<tr>
<td>Instability</td>
<td>0</td>
<td>material that is normally stable, even under fire conditions</td>
</tr>
<tr>
<td>Special Hazard</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

16. Other information

Abbreviations and Acronyms

<table>
<thead>
<tr>
<th>Abbr.</th>
<th>Descriptions of used abbreviations</th>
</tr>
</thead>
<tbody>
<tr>
<td>49 CF US DOT</td>
<td>49 CFR U.S. Department of Transportation</td>
</tr>
<tr>
<td>Cal/OSHA PEL</td>
<td>California Division of Occupational Safety and Health (Cal/OSHA): Permissible Exposure Limits (PELs)</td>
</tr>
<tr>
<td>Carc.</td>
<td>Carcinogenicity</td>
</tr>
<tr>
<td>CAS</td>
<td>Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)</td>
</tr>
<tr>
<td>cD</td>
<td>Combustible dust</td>
</tr>
<tr>
<td>DGR</td>
<td>Dangerous Goods Regulations (see IATA/DGR)</td>
</tr>
<tr>
<td>DNEL</td>
<td>Derived No-Effect Level</td>
</tr>
<tr>
<td>EC50</td>
<td>Effective Concentration 50%. The EC50 corresponds to the concentration of a tested substance causing 50% changes in response (e.g. on growth) during a specified time interval</td>
</tr>
<tr>
<td>ErC50</td>
<td>= EC50: in this method, that concentration of test substance which results in a 50% reduction in either growth (Ebc50) or growth rate (ErC50) relative to the control</td>
</tr>
<tr>
<td>GHS</td>
<td>“Globally Harmonized System of Classification and Labelling of Chemicals” developed by the UN</td>
</tr>
</tbody>
</table>

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IARC
International Agency for Research on Cancer

IARC Monographs
IARC Monographs on the Evaluation of Carcinogenic Risks to Humans

IATA
International Air Transport Association

IATA/DGR
Dangerous Goods Regulations (DGR) for the air transport (IATA)

IMDG
International Maritime Dangerous Goods Code

LD50
Lethal Dose 50%: the LD50 corresponds to the dose of a tested substance causing 50% lethality during a specified time interval

MARPOL
International Convention for the Prevention of Pollution for Ships (abb. of "Marine Pollutant")

NIOSH REL
National Institute for Occupational Safety and Health (NIOSH): Recommended Exposure Limits (RELs)

NOEC
No Observed Effect Concentration

NPCA-HMIS® III

OSHA
Occupational Safety and Health Administration (United States)

PBT
Persistent, Bioaccumulative and Toxic

PEL
Permissible exposure limit

PNEC
Predicted No-Effect Concentration

ppm
Parts per million

RTECS
Registry of Toxic Effects of Chemical Substances (database of NIOSH with toxicological information)

STEL
Short-term exposure limit

STOT RE
Specific target organ toxicity - repeated exposure

TWA
Time-weighted average

vPvB
Very Persistent and very Bioaccumulative

Key literature references and sources for data
Transport of dangerous goods by road or rail (49 CFR US DOT).
International Maritime Dangerous Goods Code (IMDG).
Dangerous Goods Regulations (DGR) for the air transport (IATA).

Classification procedure
Physical and chemical properties
Health hazards.
Environmental hazards.
The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

List of relevant phrases (code and full text as stated in chapter 2 and 3)

<table>
<thead>
<tr>
<th>Code</th>
<th>Text</th>
</tr>
</thead>
<tbody>
<tr>
<td>H350</td>
<td>May cause cancer</td>
</tr>
</tbody>
</table>
### Safety Data Sheet

**IC3D Standard TPE-SEBS-95A Black**

**Version:** 2.0  
**Revision Date:** 2/22/22

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>H351</td>
<td>Suspected of causing cancer</td>
</tr>
<tr>
<td>H372</td>
<td>Causes damage to organs through prolonged or repeated exposure.</td>
</tr>
<tr>
<td>OSHA003</td>
<td>May form combustible dust concentrations in air</td>
</tr>
</tbody>
</table>

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