SAFETY DATA SHEET
ASA FLEX COLOURED SILICONE CHARCOAL
Revision Number  1

Revision date  04-Aug-2019
Supersedes Date:  04-Aug-2019

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

1.1. Product Identifier

Product Name  ASA FLEX COLOURED SILICONE CHARCOAL
Pure substance/mixture  Mixture

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended use  Sealant.
Uses advised against  No information available.

1.3. Details of the supplier of the safety data sheet

Company Name  Bostik New Zealand Limited
19 Eastern Hutt Road Wingate,
Lower Hutt, New Zealand
Tel:  04-567 5119
Fax:  04-567 5412

1.4. Emergency telephone number

Emergency Telephone  24 Hr: 0800 243 622
+64 4 917 9888
Poison Centre : 0800 764 766

E-mail address  SDS.AP@Bostik.com

Section 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

<table>
<thead>
<tr>
<th>Toxicity</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity - Oral</td>
<td>Category 4 (6.1D)</td>
</tr>
<tr>
<td>Acute toxicity - Dermal</td>
<td>Category 4 (6.1D)</td>
</tr>
<tr>
<td>Serious eye damage/eye irritation</td>
<td>Category 2A (6.4A)</td>
</tr>
<tr>
<td>Skin sensitization</td>
<td>Category 1B</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>Category 2 (6.7B)</td>
</tr>
</tbody>
</table>

2.2. Label Elements

<table>
<thead>
<tr>
<th>Hazard Statements</th>
<th>Precaution</th>
</tr>
</thead>
<tbody>
<tr>
<td>H319 - Causes serious eye irritation</td>
<td></td>
</tr>
<tr>
<td>H312 - Harmful in contact with skin</td>
<td></td>
</tr>
<tr>
<td>H302 - Harmful if swallowed</td>
<td></td>
</tr>
<tr>
<td>H351 - Suspected of causing cancer</td>
<td></td>
</tr>
<tr>
<td>H317 - May cause an allergic skin reaction</td>
<td></td>
</tr>
<tr>
<td>Signal word</td>
<td>Warning</td>
</tr>
</tbody>
</table>

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P201 - Obtain special instructions before use
P202 - Do not handle until all safety precautions have been read and understood
P281 - Use personal protective equipment as required
P264 - Wash face, hands and any exposed skin thoroughly after handling
P270 - Do not eat, drink or smoke when using this product
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray
P272 - Contaminated work clothing should not be allowed out of the workplace
P280 - Wear protective gloves

Skin
P302 + P352 - IF ON SKIN: Wash with plenty of soap and water
P312 - Call a POISON CENTER or doctor/physician if you feel unwell
P363 - Wash contaminated clothing before reuse
P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention

Eyes
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P337 + P313 - If eye irritation persists: Get medical advice/attention

Ingestion
P301 + P312 - IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell
P330 - Rinse mouth

Storage
P405 - Store locked up

Disposal
P501 - Dispose of contents/container to an approved waste disposal plant

2.3. Other Hazards

Section 3: COMPOSITION-INFORMATION ON INGREDIENTS

3.1 Substances
Mixture

3.2 Mixtures

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS No.</th>
<th>Weight-%</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Butanone, oxime</td>
<td>96-29-7</td>
<td>1 - &lt;3</td>
</tr>
<tr>
<td>2-Butanone, O,O’,O”-(methylsilylidene)trioxime</td>
<td>22984-54-9</td>
<td>1 - &lt;3</td>
</tr>
<tr>
<td>N-[3-(Trimethoxysilyl)propyl]-1,2-ethanediamine</td>
<td>1760-24-3</td>
<td>0.1 - &lt;1</td>
</tr>
</tbody>
</table>

*** Any remaining ingredients are not hazardous

Section 4: FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation
Remove to fresh air.

Skin contact
Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

Eye contact
Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

Ingestion
Clean mouth with water and drink afterwards plenty of water.

Self-protection of the first aider
Use personal protective equipment as required

4.2. Most important symptoms and effects, both acute and delayed

Symptoms
None known.

4.3. Indication of any immediate medical attention and special treatment needed
Note to physicians

Treat symptomatically.

4.4. Reference to Other Sections

Reference to other sections

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION. Section 11: TOXICOLOGY INFORMATION.

Section 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media

No information available.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical

Keep product and empty container away from heat and sources of ignition.

5.3. Advice for firefighters

Special protective equipment for fire-fighters

Wear self-contained breathing apparatus and protective suit.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions

Ensure adequate ventilation, especially in confined areas.

6.2. Environmental precautions

Environmental precautions

See Section 12 for additional Ecological Information.

6.3. Methods and material for containment and cleaning up

Methods for containment

Prevent further leakage or spillage if safe to do so.

Methods for cleaning up

Take up mechanically, placing in appropriate containers for disposal.

6.4. Reference to other sections

Reference to other sections

Section 7: HANDLING AND STORAGE

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Section 13: DISPOSAL CONSIDERATIONS

Section 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Advice on safe handling

Ensure adequate ventilation, especially in confined areas.

7.2. Conditions for safe storage, including any incompatibilities

General hygiene considerations

Handle in accordance with good industrial hygiene and safety practice.

Storage Conditions

Keep container tightly closed and dry. Product cures with moisture.

Incompatible materials

No information available.
7.3. Specific end use(s)
Specific Use(s)  Sealant.
Other information  No information available.

7.4. References to Other Sections
Reference to other sections  Section 13: DISPOSAL CONSIDERATIONS. Section 10: STABILITY AND REACTIVITY.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters
Exposure Limits
This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Derived No Effect Level (DNEL)  No information available
Predicted No Effect Concentration (PNEC)  No information available
Other Information  No information available

8.2. Exposure controls
Engineering controls
Ensure adequate ventilation, especially in confined areas.

PPE - Personal Protection Equipment
Eye/face protection  Wear safety glasses with side shields (or goggles).
Skin and body protection  Wear suitable protective clothing. No special technical protective measures are necessary under normal conditions.
Hand protection  Wear suitable chemical resistant gloves. The selection of suitable gloves does not only depend on the material, but also on further marks of quality and various manufacturers.
Respiratory protection  No protective equipment is needed under normal use conditions. Respiratory protection required in insufficiently ventilated working areas and during spraying. An air-fed mask, or for short periods of work, a combination of professional filter is recommended.
General hygiene considerations  Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Avoid contact with skin, eyes or clothing. Take off contaminated clothing and wash before reuse.

Environmental exposure controls  No information available.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties
Appearance  Thixotropic Paste
Color  Off-white
Odor  Characteristic
Odor threshold  No information available

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks • Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH</td>
<td>No data available</td>
<td></td>
</tr>
<tr>
<td>Melting point / freezing point</td>
<td>No data available</td>
<td></td>
</tr>
<tr>
<td>Boiling point / boiling range</td>
<td>No data available</td>
<td></td>
</tr>
<tr>
<td>Flash point</td>
<td>No data available</td>
<td></td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No data available</td>
<td></td>
</tr>
</tbody>
</table>
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Explosive properties
No information available

Oxidizing properties
No information available

Section 10: STABILITY AND REACTIVITY

10.1. Reactivity
Reactivity
None under normal use conditions.

10.2. Chemical stability

10.3. Possibility of hazardous reactions
Possibility of hazardous reactions
None under normal processing.

Hazardous polymerization
None under normal processing.

10.4. Conditions to avoid
Conditions to avoid
Protect from moisture. Product cures with moisture.

10.5. Incompatible materials
Incompatible materials
No information available.

10.6. Hazardous decomposition products
Hazardous decomposition products
None under normal use conditions.

Section 11: TOXICOLOGY INFORMATION

11.1. Information on toxicological effects
Acute Toxicity
Product Information
Product does not present an acute toxicity hazard based on known or supplied information.
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**Revision Number**: 1  
**Revision date**: 04-Aug-2019  
**Supersedes Date**: No information available

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Oral LD&lt;sub&gt;50&lt;/sub&gt;</th>
<th>Dermal LD&lt;sub&gt;50&lt;/sub&gt;</th>
<th>Inhalation LC&lt;sub&gt;50&lt;/sub&gt;</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Butanone, oxime 96-29-7</td>
<td>930 mg/kg (Rat)</td>
<td>1000 - 1800 mg/kg (Rabbit)</td>
<td>&gt; 4.83 mg/L (Rat) 4 h</td>
</tr>
<tr>
<td>2-Butanone, O,O',O''-(methylsilylidyne)trioxime 22984-54-9</td>
<td>LD&lt;sub&gt;50&lt;/sub&gt; = 2463 mg/Kg (Rat) (OECD 401)</td>
<td>LD&lt;sub&gt;50&lt;/sub&gt; &gt;2000 mg/Kg (Rat) (OECD guideline 402)</td>
<td>-</td>
</tr>
<tr>
<td>N-[3-(Trimethoxysilyl)propyl]-1,2-et henediamine 1760-24-3</td>
<td>2295 mg/kg (Rat)</td>
<td>&gt;2000 mg/Kg (Rat)</td>
<td>LC&lt;sub&gt;50&lt;/sub&gt; 4H (Aerosol)1.5 - 2.44 mg/L air</td>
</tr>
</tbody>
</table>

Delayed and immediate effects as well as chronic effects from short and long-term exposure

- **Skin corrosion/irritation**: No data available.
- **Serious eye damage/eye irritation**: No data available.
- **Sensitization**: No data available.
- **Germ cell mutagenicity**: No data available.
- **Reproductive toxicity**: No data available.
- **STOT - single exposure**: No data available.
- **STOT - repeated exposure**: No data available.
- **Target organ effects**: No data available.
- **Aspiration hazard**: No data available.
- **Carcinogenicity**: The following substance(s) are classified in Annex VI CLP (1272/2008) as carcinogenic.

### Section 12: ECOLOGICAL INFORMATION

#### 12.1. Toxicity

**Ecotoxicity**

**Product Information**

None known.

**Component Information**

Data obtained on the component(s) include

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Algae/aquatic plants</th>
<th>Fish</th>
<th>Crustacea</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Butanone, oxime 96-29-7</td>
<td>EC50: =83mg/L (72h, Desmodesmus subspicatus)</td>
<td>LC50: =760mg/L (96h, Poecilia reticulata) LC50: 777 - 914mg/L (96h, Pimephales promelas) LC50: 320 - 1000mg/L (96h, Leuciscus idus)</td>
<td>EC50: =750mg/L (48h, Daphnia magna)</td>
</tr>
<tr>
<td>2-Butanone, O,O',O''-(methylsilylidyne)trioxime 22984-54-9</td>
<td>EC50 (72h) = 94 mg/L (Pseudokirchneriella subcapitata) OECD 201</td>
<td>EC50 (96h) &gt;120 mg/L Fish (Oncorhynchus mykiss)Freshwater static (OECD guideline 203)</td>
<td>EC50 (48h) &gt; 120 mg/L (Daphnia magna) OECD 202</td>
</tr>
<tr>
<td>N-[3-(Trimethoxysilyl)propyl]-1,2-et henediamine 1760-24-3</td>
<td>-</td>
<td>LC50 (96H) =597 mg/L Fish (Danio rerio)Semi-static</td>
<td>EC50 (48h) =81mg/L Daphnia magna Static</td>
</tr>
</tbody>
</table>

#### 12.2. Persistence and degradability

No data available.

#### 12.3. Bioaccumulative potential

No data available.
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<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Partition coefficient</th>
<th>Bioconcentration factor (BCF)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Butanone, oxime 96-29-7</td>
<td>0.65</td>
<td>5.8</td>
</tr>
<tr>
<td>2-Butanone, O,O',O''-(methylsilylidyne)trioxime 22984-54-9</td>
<td>1.69</td>
<td>5.2</td>
</tr>
<tr>
<td>N-[3-(Trimethoxysilyl)propyl]-1,2-ethanedi amine 1760-24-3</td>
<td>-0.3</td>
<td>-</td>
</tr>
</tbody>
</table>

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>PBT and vPvB assessment</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Butanone, oxime 96-29-7</td>
<td>The substance is not PBT / vPvB</td>
</tr>
<tr>
<td>2-Butanone, O,O',O''-(methylsilylidyne)trioxime 22984-54-9</td>
<td>The substance is not PBT / vPvB</td>
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<td>N-[3-(Trimethoxysilyl)propyl]-1,2-ethanedi amine 1760-24-3</td>
<td>The substance is not PBT / vPvB</td>
</tr>
</tbody>
</table>

12.6. Other adverse effects

No information available.

Section 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

- Waste from residues/unused products: Disposal should be in accordance with applicable regional, national and local laws and regulations.
- Contaminated packaging: Disposal should be in accordance with applicable regional, national and local laws and regulations.

Section 14: TRANSPORT INFORMATION

- IMDG: Not regulated
- IATA: Not regulated
- ADR: Not regulated

Section 15: REGULATORY INFORMATION

National Regulations

- ERMA Group: HSR002679

Section 16: OTHER INFORMATION

Key or legend to abbreviations and acronyms used in the safety data sheet

No information available

Key Literature References and Sources for Data
SAFETY DATA SHEET

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No information available

Prepared By Product Safety & Regulatory Affairs

Revision date 04-Aug-2019

Revision note Not applicable.

Training Advice No information available

Disclaimer
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End of Safety Data Sheet