SECTION 1: Identification

1.1. Identification

Product form: Mixture
Trade name: FlatOut QuickStrike
Product code: 17110, 17112, 17114, 17120, 17122, 17124, 17128, 17130, 17132, 17134, 17138, 17139, 22110, 22112, 22114, 22120, 22122, 22124, 22128, 22130, 22132, 22134, 22138, 26110, 26112, 26114, 26120, 26122, 26124, 26128, 26130, 26132, 26134, 30160, 30161, 30162, 30163, 30164, 30165, 35102, 35103, 35104, 40102, 40103, 40104

1.2. Recommended use and restrictions on use

Use of the substance/mixture: Tire Additive, Tire sealant; Tire Flat Preventative

1.3. Supplier

Manufacturer: MULTI SEAL
407 Alana Lane,
Spring TX, 77386
USA
T: 1-800-577-3353 (24hrs)
E: info@multiseal.us

1.4. Emergency telephone number

Emergency number: 1-800-577-3353 (24hrs)

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification
Acute toxicity (oral) Category 4: Harmful if swallowed
Specific target organ toxicity (repeated exposure) Category 2: May cause damage to organs through prolonged or repeated exposure

2.2. GHS Label elements, including precautionary statements

GHS US labeling
Hazard pictograms (GHS US): !

Signal word (GHS US): Warning
Hazard statements (GHS US): Harmful if swallowed
Precautionary statements (GHS US):
- Do not breathe dust/fume/gas/mist/vapors/spray.
- Do not eat, drink or smoke when using this product.
- If swallowed call a poison center or doctor if you feel unwell.
- Get medical advice/attention if you feel unwell.
2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>GHS US classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethylene glycol</td>
<td>CAS-No.: 107-21-1</td>
<td>35 – 55</td>
<td>Acute Tox. 4 (Oral), H302</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>STOT RE 2, H373</td>
</tr>
</tbody>
</table>

*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures general
Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation
Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact
Wash with water and soap as a precaution. Seek medical attention if ill effect or irritation develops.

First-aid measures after eye contact
Rinse eyes with water as a precaution. Seek medical attention if ill effect or irritation develops.

First-aid measures after ingestion
Rinse mouth. Do NOT induce vomiting. Call a poison center/doctor/physician if you feel unwell.

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects
May cause damage to organs through prolonged or repeated exposure. May be harmful if swallowed.

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media
Use extinguishing media appropriate for surrounding fire.

Unsuitable extinguishing media
None known.

5.2. Specific hazards arising from the chemical

Fire hazard
On combustion, forms: carbon oxides (CO and CO2).
**Hazardous decomposition products in case of fire**: Toxic fumes may be released.

### 5.3. Special protective equipment and precautions for fire-fighters

<table>
<thead>
<tr>
<th>Firefighting instructions</th>
<th>Firefighting instructions should be used.</th>
<th>Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Protection during firefighting</td>
<td>Protection during firefighting must be considered.</td>
<td>Do not enter fire area without proper protective equipment, including respiratory protection.</td>
</tr>
</tbody>
</table>

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### General measures

- Prevent entry to sewers and public waters.

#### 6.1.1. For non-emergency personnel

**Protective equipment**: No special protection required.

**Emergency procedures**: Evacuate unnecessary personnel.

#### 6.1.2. For emergency responders

**Protective equipment**: No special protection required.

**Emergency procedures**: No special requirements.

### 6.2. Environmental precautions

- Avoid discharge to the environment.

### 6.3. Methods and material for containment and cleaning up

- **For containment**: Collect spillage. Take up liquid spill into inert absorbent material. In case of large spillages: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

- **Methods for cleaning up**: Collect spillage. Wipe up with absorbent material (for example cloth). Store away from other materials.

- **Other information**: Dispose in a safe manner in accordance with local/national regulations.

### 6.4. Reference to other sections

For further information refer to section 8: “Exposure controls/personal protection”. For disposal of residues refer to section 13: “Disposal considerations”.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- **Precautions for safe handling**: Read label before use. Observe the label precautions. Keep out of reach of children.

- **Hygiene measures**: Observe the label precautions. Do not eat, drink or smoke when using this product. Use good personal hygiene practices.

### 7.2. Conditions for safe storage, including any incompatibilities

- **Storage conditions**: Keep container tightly closed in a cool, well-ventilated place. Keep container closed when not in use. Store in a well-ventilated place.


## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters
FLATOUT QUICKSTRIKE
No additional information available

Ethylene glycol (107-21-1)
USA - ACGIH - Occupational Exposure Limits

<table>
<thead>
<tr>
<th>Local name</th>
<th>Ethylene glycol</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACGIH OEL TWA [ppm]</td>
<td>25 ppm (vapor fraction)</td>
</tr>
<tr>
<td>ACGIH OEL STEL</td>
<td>10 mg/m³ (inhalable particulate matter, aerosol only)</td>
</tr>
<tr>
<td>ACGIH OEL STEL [ppm]</td>
<td>50 ppm (vapor fraction)</td>
</tr>
<tr>
<td>ACGIH OEL Ceiling</td>
<td>100 mg/m³</td>
</tr>
<tr>
<td>ACGIH OEL Ceiling [ppm]</td>
<td>39.4 ppm</td>
</tr>
<tr>
<td>Remark (ACGIH)</td>
<td>H</td>
</tr>
<tr>
<td>ACGIH chemical category</td>
<td>Not Classifiable as a Human Carcinogen</td>
</tr>
<tr>
<td>Regulatory reference</td>
<td>ACGIH 2022</td>
</tr>
</tbody>
</table>

USA - NIOSH - Occupational Exposure Limits

| NIOSH REL C [ppm] | 50 ppm |

Monitoring methods

| Monitoring methods | No additional information available. |

8.2. Appropriate engineering controls

| Appropriate engineering controls | Not required for normal conditions of use. Normal use of this product shall imply use in accordance with the instructions on the packaging. |
| Environmental exposure controls | Avoid release to the environment. |

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:
Not required for normal conditions of use. Normal use of this product shall imply use in accordance with the instructions on the packaging.

Hand protection:
No special protection required. In case of repeated or prolonged exposure: Impermeable protective gloves.

Eye protection:
No special protection required

Respiratory protection:
No special protection required

Other information:
Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Physical state</th>
<th>Liquid Heterogenous Mixture</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Gel. Viscous.</td>
</tr>
<tr>
<td>Color</td>
<td>Grey/Off-White</td>
</tr>
</tbody>
</table>
Safety Data Sheet
according to US HazCom 2012

Odor : Odorless
Odor threshold : No data available
pH : 8 – 10
Melting point : -35 °C (-31 °F)
Freezing point : No data available
Boiling point : > 100 °C (212 °F)
Flash point : No data available
Relative evaporation rate (butyl acetate=1) : No data available
Flammability (solid, gas) : Non flammable.
Vapor pressure : No data available
Relative vapor density at 20 °C : No data available
Relative density : No data available
Density : 1.1 g/ml
Solubility : No data available
Partition coefficient n-octanol/water (Log Pow) : No data available
Auto-ignition temperature : No data available
Decomposition temperature : No data available
Viscosity, kinematic : No data available
Viscosity, dynamic : No data available
Explosion limits : No data available
Explosive properties : No data available
Oxidizing properties : No data available

9.2. Other information
No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity
The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability
The product is stable at normal handling and storage conditions.

10.3. Possibility of hazardous reactions
Stable under normal conditions of use.

10.4. Conditions to avoid
None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

10.6. Hazardous decomposition products
Under normal conditions of storage and use, hazardous decomposition products should not be produced. On combustion, forms: carbon oxides (CO and CO2).

SECTION 11: Toxicological information

11.1. Information on toxicological effects
Acute toxicity (oral) : Harmful if swallowed.
Acute toxicity (dermal) : Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation) : Not classified (Based on available data, the classification criteria are not met)

**FLATOUT QUICKSTRIKE**

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>ATE US (oral)</td>
<td>1 g/kg body weight</td>
</tr>
</tbody>
</table>

**Ethylene glycol (107-21-1)**

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
<td>4700 mg/kg</td>
</tr>
<tr>
<td>LD50 dermal rat</td>
<td>10600 mg/kg</td>
</tr>
<tr>
<td>LC50 Inhalation - Rat</td>
<td>&gt; 2.5 mg/l (Exposure time: 6 h)</td>
</tr>
<tr>
<td>ATE US (oral)</td>
<td>500 mg/kg body weight</td>
</tr>
<tr>
<td>ATE US (dermal)</td>
<td>10600 mg/kg body weight</td>
</tr>
</tbody>
</table>

Skin corrosion/irritation : Not classified (Based on available data, the classification criteria are not met)

Serious eye damage/irritation : Not classified (Based on an assessment of exposure risk, finished product is not classified)

Respiratory or skin sensitization : Not classified (Based on available data, the classification criteria are not met)

Germ cell mutagenicity : Not classified (Based on available data, the classification criteria are not met)

Carcinogenicity : Not classified (Based on available data, the classification criteria are not met)

Reproductive toxicity : Not classified (Based on available data, the classification criteria are not met)

STOT-single exposure : Not classified (Based on available data, the classification criteria are not met)

STOT-repeated exposure : May cause damage to organs through prolonged or repeated exposure.

**Ethylene glycol (107-21-1)**

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>STOT-repeated exposure</td>
<td>May cause damage to organs (kidneys) through prolonged or repeated exposure (oral).</td>
</tr>
</tbody>
</table>

Aspiration hazard : Not classified (Based on available data, the classification criteria are not met)

Viscosity, kinematic : No data available

Symptoms/effects : May cause damage to organs through prolonged or repeated exposure. May be harmful if swallowed.

Other information : Likely routes of exposure: ingestion, inhalation, skin and eye.

**SECTION 12: Ecological information**

**12.1. Toxicity**

**Ethylene glycol (107-21-1)**

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 - Fish [1]</td>
<td>41000 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)</td>
</tr>
<tr>
<td>EC50 - Crustacea [1]</td>
<td>46300 mg/l (Exposure time: 48 h - Species: Daphnia magna)</td>
</tr>
<tr>
<td>LC50 - Fish [2]</td>
<td>14 – 18 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])</td>
</tr>
</tbody>
</table>

**12.2. Persistence and degradability**

**FLATOUT QUICKSTRIKE**

 Persistence and degradability : Not established.
12.3. Bioaccumulative potential

**FLATOUT QUICKSTRIKE**

Bioaccumulative potential

<table>
<thead>
<tr>
<th><strong>Ethylene glycol (107-21-1)</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Partition coefficient n-octanol/water (Log Pow)</td>
<td>-1.93</td>
</tr>
</tbody>
</table>

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Other information: Avoid release to the environment.

**SECTION 13: Disposal considerations**

13.1. Disposal methods

<table>
<thead>
<tr>
<th>Waste treatment methods</th>
<th>Dispose of contents/container in accordance with licensed collector’s sorting instructions.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product/Packaging disposal recommendations</td>
<td>Dispose in a safe manner in accordance with local/national regulations.</td>
</tr>
<tr>
<td>Ecology - waste materials</td>
<td>Avoid release to the environment.</td>
</tr>
</tbody>
</table>

**SECTION 14: Transport information**

In accordance with DOT / TDG / IMDG / IATA

<table>
<thead>
<tr>
<th>DOT</th>
<th>TDG</th>
<th>IMDG</th>
<th>IATA</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.1. UN number</td>
<td>Not regulated for transport</td>
<td></td>
<td></td>
</tr>
<tr>
<td>14.2. Proper Shipping Name</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
<tr>
<td>14.3. Transport hazard class(es)</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
<tr>
<td>14.4. Packing group</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
<tr>
<td>14.5. Environmental hazards</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

No supplementary information available

**SECTION 15: Regulatory information**

15.1. US Federal regulations

No additional information available
15.2. International regulations

CANADA
No additional information available

EU-Regulations
No additional information available

National regulations
No additional information available

15.3. US State regulations

⚠️ WARNING: This product can expose you to Ethylene glycol, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

SECTION 16: Other information
c according to US HazCom 2012
Release Date : 25 October 2022

Safety Data Sheet (SDS), USA
This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.