## SECTION 1: Identification

### 1.1 Identification

<table>
<thead>
<tr>
<th>Product form</th>
<th>Mixture</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product name</td>
<td>Traction Plus GB-100</td>
</tr>
<tr>
<td>Product code</td>
<td>2212-GB100</td>
</tr>
</tbody>
</table>

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

| Use of the substance/mixture | Degreasing agent         |

### 1.3 Details of the supplier of the safety data sheet

Traction Auditing, LLC.
2075 Greenbriar
Southlake, TX 76092
T (817) 230-4004

### 1.4 Emergency telephone number

Emergency number : (800) 535-5053

## SECTION 2: Hazard(s) identification

### 2.1 Classification of the substance or mixture

**GHS-US classification**

- Skin corrosion/irritation Category 2  
  H315
- Serious eye damage/eye irritation Category 2A  
  H319

Full text of H statements : see section 16

### 2.2 Label elements

**GHS-US labeling**

- **Hazard pictograms (GHS-US)** : ![GHS07]

  - Signal word (GHS-US) : Warning
  - Hazard statements (GHS-US) : H315 - Causes skin irritation  
    H319 - Causes serious eye irritation
  - Precautionary statements (GHS-US) : P264 - Wash hands and forearms thoroughly after handling  
    P280 - Wear protective gloves/eye protection/face protection  
    P302+P352 - If on skin: Wash with plenty of soap and water  
    P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
    P321 - Specific treatment (see First aid measures on this label)  
    P332+P313 - If skin irritation occurs: Get medical advice/attention  
    P337+P313 - If eye irritation persists: Get medical advice/attention  
    P362+P364 - Take off contaminated clothing and wash it before reuse

### 2.3 Other hazards

No additional information available

### 2.4 Unknown acute toxicity (GHS US)

Not applicable

## SECTION 3: Composition/Information on ingredients

### 3.1 Substance

Not applicable

### 3.2 Mixture

Not applicable
**Traction Plus GB-100**

**Safety Data Sheet**

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

<table>
<thead>
<tr>
<th>Product identifier</th>
<th>GHS-US classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ammonium hydrogen difluoride (CAS No) 1341-49-7</td>
<td>Acute Tox. 3 (Oral), H301 Skin Corr. 1B, H314</td>
</tr>
<tr>
<td>Citric acid (CAS No) 77-92-9</td>
<td>Eye Irrit. 2A, H319</td>
</tr>
<tr>
<td>Dipropylene Glycol Monomethyl Ether substance with OEL values (CAS No) 34590-94-8</td>
<td>Flam. Liq. 4, H227</td>
</tr>
</tbody>
</table>

Full text of hazard classes and H-statements: see section 16

**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: Allow victim to breathe fresh air. Allow the victim to rest.

First-aid measures after skin contact: Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention. Specific treatment (see First aid measures on this label).

First-aid measures after eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

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

Symptoms/injuries after skin contact: Causes skin irritation.

Symptoms/injuries after eye contact: Causes serious eye irritation.

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

No additional information available

**SECTION 5: Firefighting measures**

5.1. Extinguishing media


Unsuitable extinguishing media: Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

Firefighting instructions: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.

Protection during firefighting: Do not enter fire area without proper protective equipment, including respirator protection.

**SECTION 6: Accidental release measures**

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures: Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment: Equip cleanup crew with proper protection.

Emergency procedures: Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

**SECTION 7: Handling and storage**

7.1. Precautions for safe handling

Precautions for safe handling: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Good ventilation in process area to prevent formation of vapor.
Hygiene measures: Wash hands and forearms thoroughly after handling.

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

- **Storage conditions**: Keep only in the original container in a cool, well ventilated place away from heat, hot surfaces, sparks, open flame and other ignition sources. No smoking. Keep container closed when not in use.
- **Incompatible products**: Strong bases. Strong acids.
- **Incompatible materials**: Sources of ignition. Direct sunlight.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

**Citric acid (77-92-9)**

- Not applicable

**Ammonium hydrogen difluoride (1341-49-7)**

- Not applicable

**Dipropylene Glycol Monomethyl Ether (34590-94-8)**

<table>
<thead>
<tr>
<th></th>
<th>ACGIH</th>
<th>ACGIH TWA (ppm)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>ACGIH</td>
<td></td>
<td>100 ppm (2-Methoxymethylethoxy)propanol (DPGME); US; Time-weighted average exposure limit 8 h; TLV - Adopted Value</td>
<td></td>
</tr>
</tbody>
</table>

#### 8.2. Exposure controls

**Personal protective equipment**: Avoid all unnecessary exposure.

**Hand protection**: Wear protective gloves/eye protection/face protection protective gloves.

**Eye protection**: Chemical goggles or safety glasses.

**Skin and body protection**: Wear suitable protective clothing.

**Respiratory protection**: Wear appropriate mask.

**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

- **Physical state**: Liquid
- **Color**: orange
- **Odor**: mild
- **Odor threshold**: No data available
- **pH**: 4 - 5
- **Melting point**: No data available
- **Freezing point**: No data available
- **Boiling point**: 212 - 220 °F
- **Flash point**: > 200 °F
- **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**: 1.02
- **Solubility**: Soluble in 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
No additional information available

10.2. Chemical stability
Not established.

10.3. Possibility of hazardous reactions
Not established.

10.4. Conditions to avoid
Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials
Strong acids. Strong bases.

10.6. Hazardous decomposition products

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity: Not classified

<table>
<thead>
<tr>
<th>Citric acid (77-92-9)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
<td>3000 mg/kg (Rat; Literature study)</td>
</tr>
<tr>
<td>LD50 dermal rat</td>
<td>&gt; 2000 mg/kg body weight (Rat; Experimental value; OECD 402: Acute Dermal Toxicity)</td>
</tr>
<tr>
<td>ATE US (oral)</td>
<td>3000.000 mg/kg body weight</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Ammonium hydrogen difluoride (1341-49-7)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
<td>130 mg/kg (Rat; Literature)</td>
</tr>
<tr>
<td>ATE US (oral)</td>
<td>130.000 mg/kg body weight</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Dipropylene Glycol Monomethyl Ether (34590-94-8)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
<td>5135 mg/kg (Rat; Equivalent or similar to OECD 401; Literature study; &gt;5000 mg/kg; Rat; Experimental value)</td>
</tr>
<tr>
<td>LD50 dermal rat</td>
<td>9500 mg/kg (Rat; Literature study; Equivalent or similar to OECD 402; &gt;19020 mg/kg bodyweight; Rat; Experimental value)</td>
</tr>
<tr>
<td>LD50 dermal rabbit</td>
<td>9500 mg/kg (Rabbit; Literature study)</td>
</tr>
<tr>
<td>ATE US (oral)</td>
<td>5135.000 mg/kg body weight</td>
</tr>
<tr>
<td>ATE US (dermal)</td>
<td>9500.000 mg/kg body weight</td>
</tr>
</tbody>
</table>

Skin corrosion/irritation: Causes skin irritation.
pH: 4 - 5

Serious eye damage/irritation: Causes serious eye irritation.
pH: 4 - 5

Respiratory or skin sensitization: Not classified
Germ cell mutagenicity: Not classified
Carcinogenicity: Not classified

Reproductive toxicity: Not classified
Specific target organ toxicity (single exposure): Not classified
Specific target organ toxicity (repeated exposure): Not classified
**Aspiration hazard**: Not classified

**Potential Adverse human health effects and symptoms**: Based on available data, the classification criteria are not met.

**Symptoms/injuries after skin contact**: Causes skin irritation.

**Symptoms/injuries after eye contact**: Causes serious eye irritation.

### SECTION 12: Ecological information

#### 12.1. Toxicity

**Citric acid (77-92-9)**

<table>
<thead>
<tr>
<th>Test</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>EC50 Daphnia 1</td>
<td>120 mg/l (EC50; 72 h)</td>
</tr>
<tr>
<td>LC50 fish 2</td>
<td>1516 mg/l (LC50; 96 h)</td>
</tr>
<tr>
<td>Threshold limit algae 2</td>
<td>640 mg/l (EC0; 168 h)</td>
</tr>
</tbody>
</table>

**Ammonium hydrogen difluoride (1341-49-7)**

<table>
<thead>
<tr>
<th>Test</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 fish 1</td>
<td>562 mg/l (96 h; Brachydanio rerio)</td>
</tr>
<tr>
<td>LC50 fish 2</td>
<td>237 mg/l (96 h; Brachydanio rerio)</td>
</tr>
</tbody>
</table>

**Dipropylene Glycol Monomethyl Ether (34590-94-8)**

<table>
<thead>
<tr>
<th>Test</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 fish 1</td>
<td>10000 mg/l (96 h; Pimephales promelas; GLP)</td>
</tr>
<tr>
<td>EC50 Daphnia 1</td>
<td>1919 mg/l (LC50; Equivalent or similar to OECD 202; 48 h; Daphnia magna; Static system; Fresh water; Experimental value)</td>
</tr>
<tr>
<td>LC50 fish 2</td>
<td>150 mg/l (72 h; Pisces)</td>
</tr>
<tr>
<td>Threshold limit algae 1</td>
<td>969 mg/l (NOEC; OECD 201: Alga, Growth Inhibition Test; 72 h; Selenastrum capricornutum; Static system; Fresh water; Experimental value)</td>
</tr>
<tr>
<td>Threshold limit algae 2</td>
<td>&gt; 969 mg/l (EC50; OECD 201: Alga, Growth Inhibition Test; 72 h; Selenastrum capricornutum; Static system; Fresh water; Experimental value)</td>
</tr>
</tbody>
</table>

#### 12.2. Persistence and degradability

**Traction Plus GB-100**

<table>
<thead>
<tr>
<th>Test</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Persistence and degradability</td>
<td>Not established.</td>
</tr>
</tbody>
</table>

**Citric acid (77-92-9)**

<table>
<thead>
<tr>
<th>Test</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Persistence and degradability</td>
<td>Readily biodegradable in water. Biodegradable in the soil. No (test)data on mobility of the substance available.</td>
</tr>
<tr>
<td>Biochemical oxygen demand (BOD)</td>
<td>0.420 g O₂/g substance</td>
</tr>
<tr>
<td>Chemical oxygen demand (COD)</td>
<td>0.728 g O₂/g substance</td>
</tr>
<tr>
<td>ThOD</td>
<td>0.686 g O₂/g substance</td>
</tr>
<tr>
<td>BOD ( % of ThOD)</td>
<td>0.89 (20 days; Literature study)</td>
</tr>
</tbody>
</table>

**Ammonium hydrogen difluoride (1341-49-7)**

<table>
<thead>
<tr>
<th>Test</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Persistence and degradability</td>
<td>Biodegradability: not applicable.</td>
</tr>
<tr>
<td>ThOD</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

**Dipropylene Glycol Monomethyl Ether (34590-94-8)**

<table>
<thead>
<tr>
<th>Test</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Persistence and degradability</td>
<td>Readily biodegradable in water. No (test)data on mobility of the substance available. Photolysis in the air.</td>
</tr>
<tr>
<td>Biochemical oxygen demand (BOD)</td>
<td>0 g O₂/g substance</td>
</tr>
<tr>
<td>ThOD</td>
<td>2.06 g O₂/g substance</td>
</tr>
<tr>
<td>BOD ( % of ThOD)</td>
<td>0</td>
</tr>
</tbody>
</table>

#### 12.3. Bioaccumulative potential

**Traction Plus GB-100**

<table>
<thead>
<tr>
<th>Test</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bioaccumulative potential</td>
<td>Not established.</td>
</tr>
</tbody>
</table>

**Citric acid (77-92-9)**

<table>
<thead>
<tr>
<th>Test</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCF other aquatic organisms 1</td>
<td>3.2 (BCF; Other)</td>
</tr>
<tr>
<td>Log Pow</td>
<td>-1.61 / -1.80;Experimental value; Other</td>
</tr>
<tr>
<td>Bioaccumulative potential</td>
<td>Low potential for bioaccumulation (Log Kow &lt; 4).</td>
</tr>
</tbody>
</table>
Traction Plus GB-100
Safety Data Sheet

Ammonium hydrogen difluoride (1341-49-7)
Bioaccumulative potential: Bioaccumulation: not applicable.

Dipropylene Glycol Monomethyl Ether (34590-94-8)
Log Pow: 0.0043 (Experimental value; OECD 102: Melting Point/Melting Range; 25 °C)
Bioaccumulative potential: Low potential for bioaccumulation (Log Kow < 4).

12.4. Mobility in soil
No additional information available

12.5. Other adverse effects
Effect on the global warming: No known effects from this product.
GWPmix comment: No known effects from this product.
Other information: Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Waste disposal recommendations: Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials: Avoid release to the environment.

SECTION 14: Transport information

Department of Transportation (DOT)
In accordance with DOT
Not applicable

TDG
Not applicable

Transport by sea
Not applicable

Air transport
Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations
Traction Plus GB-100
Not listed on the United States TSCA (Toxic Substances Control Act) inventory

Citric acid (77-92-9)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

Ammonium hydrogen difluoride (1341-49-7)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
Not subject to reporting requirements of the United States SARA Section 313
CERCLA RQ: 100 lb

Dipropylene Glycol Monomethyl Ether (34590-94-8)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2. International regulations
CANADA
No additional information available

EU-Regulations
No additional information available
Traction Plus GB-100
Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

National regulations
No additional information available

15.3. US State regulations
No additional information available

SECTION 16: Other information
Revision date : 04/15/2016
Other information : None.
Full text of H-phrases:

<table>
<thead>
<tr>
<th>H</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>H227</td>
<td>Combustible liquid</td>
</tr>
<tr>
<td>H301</td>
<td>Toxic if swallowed</td>
</tr>
<tr>
<td>H314</td>
<td>Causes severe skin burns and eye damage</td>
</tr>
<tr>
<td>H315</td>
<td>Causes skin irritation</td>
</tr>
<tr>
<td>H319</td>
<td>Causes serious eye irritation</td>
</tr>
</tbody>
</table>

HMIS III Rating
Health : 2 Moderate Hazard - Temporary or minor injury may occur
Flammability : 0 Minimal Hazard - Materials that will not burn
Physical : 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.
Personal Protection : B
B - Safety glasses, Gloves

SDS US (GHS HazCom 2012)
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.