SECTION 1: Product and company identification

Product name: Triple Threat Foaming Selective Herbicide
Use of the substance/mixture: Aerosol Herbicide
Product code: 8363
Company: Total Solutions
P.O. Box 240014
Milwaukee, WI 53224 - USA
T (414) 354-6417
Emergency number: Chemtec: (800) 424-9300

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (GHS-US)
Compressed gas H280
Acute Tox. 4 (Oral) H302
Acute Tox. 3 (Inhalation: gas) H331
STOT SE 2 H371
Full text of H-phrases: see section 16

2.2. Label elements

GHS-US labeling
Hazard pictograms (GHS-US): 

- GHS04
- GHS06
- GHS08

Signal word (GHS-US): Danger
Hazard statements (GHS-US): Contains gas under pressure; may explode if heated. Harmful if swallowed. Toxic if inhaled. May cause damage to organs (kidneys, liver).
Precautionary statements (GHS-US): Do not breathe mist, spray, vapors. Avoid breathing spray, mist, vapors. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. If swallowed: Call a POISON CENTER, a doctor if you feel unwell. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER, a doctor. Specific treatment (see First aid measures on this label). Rinse mouth. Store in a well-ventilated place. Keep container tightly closed. Store locked up. Protect from sunlight. Store in a well-ventilated place. Dispose of contents/container to comply with local/regional/national/international regulations.

2.3. Other hazards

Other hazards not contributing to the classification: Contains gas under pressure; may explode if heated.

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable
Full text of H-phrases: see section 16

3.2. Mixture

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>Classification (GHS-US)</th>
</tr>
</thead>
<tbody>
<tr>
<td>butane</td>
<td>(CAS No) 106-97-8</td>
<td>1 - 5</td>
<td>Flam. Gas 1, H220 Compressed gas, H280</td>
</tr>
<tr>
<td>propane</td>
<td>(CAS No) 74-98-6</td>
<td>1 - 5</td>
<td>Flam. Gas 1, H220 Compressed gas, H280</td>
</tr>
</tbody>
</table>
### Name

<table>
<thead>
<tr>
<th>Product identifier</th>
<th>%</th>
<th>Classification (GHS-US)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimethylamine Salt of 2,4-Dichlorophenoxyacetic Acid</td>
<td>(CAS No) 2008-39-1</td>
<td>0.326</td>
</tr>
<tr>
<td>MCPP DMA Salt</td>
<td>(CAS No) 66423-09-4</td>
<td>0.164</td>
</tr>
<tr>
<td>2,4-DP DMA Salt</td>
<td>(CAS No) 104786-87-0</td>
<td>0.161</td>
</tr>
</tbody>
</table>

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

- **First-aid measures general**: Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. 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. Artificial respiration and/or oxygen if necessary. Call a POISON CENTER or doctor/physician.

- **First-aid measures after skin contact**: Take off contaminated clothing. Consult a doctor/medical service. Wash immediately with lots of water (15 minutes)/shower.

- **First-aid measures after eye contact**: Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention.

- **First-aid measures after ingestion**: Get immediate medical advice/attention. Drink plenty of water. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.

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

- **Symptoms/injuries**: Harmful if swallowed. May cause damage to organs through prolonged or repeated exposure. Toxic if inhaled.

- **Symptoms/injuries after inhalation**: Toxic if inhaled. Symptoms similar to those listed under ingestion. Headache. Dizziness. Unconsciousness.

- **Symptoms/injuries after skin contact**: Contact during a long period may cause light irritation.

- **Symptoms/injuries after eye contact**: Direct contact with the eyes is likely irritating.


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

Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media


#### 5.2. Special hazards arising from the substance or mixture

- **Fire hazard**: Under fire conditions closed containers may rupture or explode.

- **Explosion hazard**: Contains gas under pressure; may explode if heated.

- **Reactivity**: Thermal decomposition may produce oxides of carbon and nitrogen. Hydrogen chloride.

#### 5.3. Advice for firefighters

Firefighting instructions: Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment. Take account of environmentally hazardous firefighting water.

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

### SECTION 6: Accidental release measures

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

General measures: Evacuate unnecessary personnel. Isolate from fire, if possible, without unnecessary risk. Stay upwind/keep distance from source.

**6.1.1. For non-emergency personnel**

Protective equipment: Do not enter without an appropriate protective equipment.

Emergency procedures: Advice local authorities if considered necessary.

**6.1.2. For emergency responders**

Protective equipment: Equip cleanup crew with proper protection.

Emergency procedures: Stop leak if safe to do so. Stop release. Ventilate area.

**6.2. Environmental precautions**

Prevent entry to sewers and public waters. Do not allow to enter drains or water courses. Absorb and/or contain spill with inert material, then place in suitable container.

Date of issue: 12/19/2016  
Revision date: 05/25/2015  
Version: 1.0  
P GHS SDS  
Page 2 of 6
6.3. Methods and material for containment and cleaning up

For containment: Dam up the liquid spill. Collect spillage.

Methods for cleaning up: Liquid spill: dam up with sand/earth. Carefully collect the spill/leftovers. Notify authorities if product enters sewers or public waters.

6.4. Reference to other sections

No additional information available.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed: Do not puncture, incinerate or crush.

Precautions for safe handling: Avoid contact with skin, eyes and clothing. Avoid breathing spray, mist, vapors. Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work. Clean contaminated clothing. Do not allow people (other than applicator) or pets on treatment area during application. Do not enter treatment areas until spray has dried.

Hygiene measures: Always wash hands after handling the product. Wash contaminated clothing before reuse. Use good personal hygiene practices.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures: Do not puncture, incinerate or crush.

Storage conditions: Protect from freezing. Keep only in original container. Keep out of reach of children. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th>Substance</th>
<th>ACGIH TWA (ppm)</th>
<th>ACGIH STEL (ppm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>butane (106-97-8)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACGIH</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACGIH TWA (ppm)</td>
<td>1000 ppm</td>
<td></td>
</tr>
<tr>
<td>ACGIH STEL (ppm)</td>
<td>1000 ppm</td>
<td></td>
</tr>
<tr>
<td>propane (74-98-6)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACGIH</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACGIH TWA (ppm)</td>
<td>1000 ppm</td>
<td></td>
</tr>
<tr>
<td>OSHA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OSHA PEL (TWA) (ppm)</td>
<td>1000 ppm</td>
<td></td>
</tr>
</tbody>
</table>

8.2. Exposure controls

Appropriate engineering controls: Ensure good ventilation of the work station. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment: Gloves. Protective clothing. Protective goggles. Use appropriate personal protective equipment when risk assessment indicates this is necessary.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Liquid</td>
</tr>
<tr>
<td>Appearance</td>
<td>Aerosol. Foam.</td>
</tr>
<tr>
<td>Odor</td>
<td>No data available on odor</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>9 - 10</td>
</tr>
<tr>
<td>Melting point</td>
<td>No data available</td>
</tr>
<tr>
<td>Freezing point</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling point</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>No flame extension with method ASTM D3065-72</td>
</tr>
<tr>
<td>Relative evaporation rate (butyl acetate=1)</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosion limits</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>No data available</td>
</tr>
</tbody>
</table>
 SECTION 10: Stability and reactivity

10.1. Reactivity
Thermal decomposition may produce oxides of carbon and nitrogen, hydrogen chloride.

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

10.3. Possibility of hazardous reactions
Hazardous polymerization does not occur.

10.4. Conditions to avoid
Heat. Open flame.

10.5. Incompatible materials
Strong oxidizing agents, alkalis, acids.

10.6. Hazardous decomposition products

 SECTION 11: Toxicological information

11.1. Information on toxicological effects


<table>
<thead>
<tr>
<th>Compound</th>
<th>Oral LD₅₀ (mg/kg)</th>
<th>Dermal LD₅₀ (mg/kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2,4-DP DMA Salt (104786-87-0)</td>
<td>567</td>
<td>&gt; 2000</td>
</tr>
<tr>
<td>MCPP DMA Salt (66423-09-4)</td>
<td>500 - 2000</td>
<td></td>
</tr>
</tbody>
</table>

Skin corrosion/irritation: Not classified
pH: 9 - 10

Serious eye damage/irritation: Not classified
pH: 9 - 10

Respiratory or skin sensitization: Not classified.

Germ cell mutagenicity: Not classified.

Carcinogenicity: Not classified.

Reproductive toxicity: Not classified.

Specific target organ toxicity (single exposure): May cause damage to organs (kidneys, liver).

Specific target organ toxicity (repeated exposure): Not classified.

Aspiration hazard: Not classified


Symptoms/injuries after skin contact: Contact during a long period may cause light irritation.

Symptoms/injuries after eye contact: Direct contact with the eyes is likely irritating.

**Triple Threat Foaming Selective Herbicide**

**Safety Data Sheet**

**Likely routes of exposure**: Skin and eyes contact; Inhalation; Ingestion.

**SECTION 12: Ecological information**

**12.1. Toxicity**
No additional information available

**12.2. Persistence and degradability**
No additional information available

**12.3. Bioaccumulative potential**
No additional information available

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**
Waste treatment methods : Do not puncture, incinerate or crush.
Waste disposal recommendations : Do not pierce or burn, even after use.
Additional information : Do not re-use empty containers.

**SECTION 14: Transport information**

**Department of Transportation (DOT)**
Transport document description : UN1950 Aerosols (non-flammable, (each not exceeding 1 L capacity)), 2.2
UN-No.(DOT) : UN1950
Proper Shipping Name (DOT) : Aerosols
non-flammable, (each not exceeding 1 L capacity)
Transport hazard class(es) (DOT) : 2.2 - Class 2.2 - Non-flammable compressed gas 49 CFR 173.115
Hazard labels (DOT) : 2.2 - Non-flammable gas

DOT Packaging Non Bulk (49 CFR 173.xxx) : None
DOT Packaging Bulk (49 CFR 173.xxx) : None
DOT Special Provisions (49 CFR 172.102) : None
DOT Packaging Exceptions (49 CFR 173.xxx) : 306
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) : 75 kg
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) : 150 kg
DOT Vessel Stowage Location : A
DOT Vessel Stowage Other : 25 - Shade from radiant heat, 87 - Stow “separated from” Class 1 (explosives) except Division 14, 126 - Segregation same as for Class 9, miscellaneous hazardous materials

**Additional information**
Other information : This product may be eligible to be shipped as a Limited Quantity or Consumer Commodity ORM-D utilizing the exception found at 49 CFR 173.150.

**ADR**
No additional information available

**Transport by sea**
UN-No. (IMDG) : UN1950
Proper Shipping Name (IMDG) : Aerosols, Non-flammable
Class (IMDG) : 2.2 - Non-flammable, non-toxic gases

**Air transport**
UN-No. (IATA) : UN1950
Proper Shipping Name (IATA) : Aerosols, non-flammable
Class (IATA) : 2.2 - Gases : Non-flammable, non-toxic

**SECTION 15: Regulatory information**

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.
This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

<table>
<thead>
<tr>
<th>Chemical</th>
<th>Not listed on SARA Section 313 (Specific toxic chemical listings)</th>
</tr>
</thead>
<tbody>
<tr>
<td>butane (106-97-8)</td>
<td></td>
</tr>
<tr>
<td>propane (74-98-6)</td>
<td></td>
</tr>
</tbody>
</table>

California Proposition 65 - This product does not contain a substance(s) known to the state of California to cause cancer and/or reproductive toxicity.

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

CAUTION. Harmful if swallowed. Harmful if absorbed through skin. Harmful if inhaled. Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Avoid breathing spray mist or vapor. Wear long-sleeved shirt, long pants, shoes, socks and chemical-resistant gloves made of any waterproof material.

### SECTION 16: Other information

Training advice: Normal use of this product shall imply use in accordance with the instructions on the packaging.

**Full text of H-phrases:**

<table>
<thead>
<tr>
<th>Acute Tox. 3 (Inhalation:gas)</th>
<th>Acute toxicity (inhalation:gas) Category 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Tox. 4 (Dermal)</td>
<td>Acute toxicity (dermal) Category 4</td>
</tr>
<tr>
<td>Acute Tox. 4 (Inhalation)</td>
<td>Acute toxicity (inhalation) Category 4</td>
</tr>
<tr>
<td>Acute Tox. 4 (Oral)</td>
<td>Acute toxicity (oral) Category 4</td>
</tr>
<tr>
<td>Compressed gas</td>
<td>Gases under pressure Compressed gas</td>
</tr>
<tr>
<td>Eye Dam. 1</td>
<td>Serious eye damage/eye irritation Category 1</td>
</tr>
<tr>
<td>Flam. Gas 1</td>
<td>Flammable gases Category 1</td>
</tr>
<tr>
<td>Skin Irrit. 2</td>
<td>Skin corrosion/irritation Category 2</td>
</tr>
<tr>
<td>Skin Sens. 1</td>
<td>Skin sensitization Category 1</td>
</tr>
<tr>
<td>STOT RE 2</td>
<td>Specific target organ toxicity (repeated exposure) Category 2</td>
</tr>
<tr>
<td>STOT SE 2</td>
<td>Specific target organ toxicity (single exposure) Category 2</td>
</tr>
<tr>
<td>H220</td>
<td>Extremely flammable gas</td>
</tr>
<tr>
<td>H280</td>
<td>Contains gas under pressure; may explode if heated</td>
</tr>
<tr>
<td>H302</td>
<td>Harmful if swallowed</td>
</tr>
<tr>
<td>H312</td>
<td>Harmful in contact with skin</td>
</tr>
<tr>
<td>H315</td>
<td>Causes skin irritation</td>
</tr>
<tr>
<td>H317</td>
<td>May cause an allergic skin reaction</td>
</tr>
<tr>
<td>H318</td>
<td>Causes serious eye damage</td>
</tr>
<tr>
<td>H331</td>
<td>Toxic if inhaled</td>
</tr>
<tr>
<td>H332</td>
<td>Harmful if inhaled</td>
</tr>
<tr>
<td>H371</td>
<td>May cause damage to organs</td>
</tr>
<tr>
<td>H373</td>
<td>May cause damage to organs through prolonged or repeated exposure</td>
</tr>
</tbody>
</table>

**NFPA health hazard:** 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.

**NFPA fire hazard:** 2 - Must be moderately heated or exposed to relatively high temperature before ignition can occur.

**NFPA reactivity:** 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.

Prepared by: Technical Department

*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. No warranty is expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. Our company assumes no responsibility for personal injury or property damage to the vendee, users or third parties caused by the material. Such vendees or users assume all risks associated with the use of this material.*