



| Code  | Description                               | Size  | Colour |
|-------|---|-------|--------|
| 60070 | Toptec Expanding Foam Cleaner Click & Fix | 500ml | N/A    |
| 60071 | Toptec Expanding Foam Cleaner Screw on    | 500ml | N/A    |

|  |                 |   |
|--|-----------------|---|
| Recommended use:                                     |                 | Cleaning aerosol  |
| HSNO group standard:                                 |                 | HSR002515   |
| UN number, shipping name and packaging group:        |                 | 1950, aerosols  |
| Supplier contact details:                            | Holdfast NZ Ltd | Freephone: 0800 TOPTEC  |
|  | 14 Avalon Drive | Phone: (07) 847 5540  |
|  | Nawton          | Fax: (07) 847 0324  |
|  | Hamilton 3200   | Email: <a href="mailto:sales@toptec.co.nz">sales@toptec.co.nz</a> |
|  | New Zealand     | Website: <a href="http://www.toptec.co.nz">www.toptec.co.nz</a>   |
| <b>POISON CENTRE NUMBER: 0800 764 766 (24 hours)</b> |                 |   |

## 2. Hazards Identification

### 2.1 Hazardous Substances and New Organisms (HSNO) classification:

| Classification     | Hazard statement                                  |
|--------------------|---|
| <b>2.1.2A</b>      | Flammable aerosol                                 |
| <b>6.1E (oral)</b> | Substances that are acutely toxic                 |
| <b>6.3B</b>        | Substances that are mildly irritating to the skin |
| <b>6.4A</b>        | Substances that are irritating to the eye         |

### 2.2 Symbols:

**DANGER**



### 2.3 Precautionary Statements:

Read label before use.  
 Keep out of reach of children.  
 Keep away from heat/sparks/open flames/hot surfaces. No smoking.  
 Do not spray on an open flame or other ignition source.  
 Pressurized container: Do not pierce or burn, even after use.  
 Wash hands thoroughly after handling.

### 3. Composition/Information on Ingredients

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#### 3.1 Information on the ingredients used in the substance:

| Ingredient | CAS No. | Individual HSNO classification | Concentration (%) |
|------------|---------|--------------------------------|-------------------|
| Acetone    | 67-64-1 | 3.1B, 6.1E, 6.3B, 6.4A         | >25%              |
| Propane    | 74-98-6 | 2.1.1A                         | 10-20%            |
| Isobutane  | 75-28-5 | 2.1.1A                         | 10-20%            |

### 4. First Aid Measures

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#### 4.1 Skin contact:

If skin irritation occurs: Get medical advice/ attention.

#### 4.2 Eye contact:

IF IN EYES: 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.

#### 4.3 Inhalation:

Remove the victim into fresh air. If affected individual develops respiratory problems seek medical assistance or consult a doctor.

#### 4.4 Ingestion:

Call a POISON CENTER or doctor/physician if you feel unwell. If medical advice is needed, have product container or label at hand.

#### 4.5 Advice for physicians:

In case of emergency check the vital functions. Airways should be maintained and respiration ensured. If respiratory arrest occurs use artificial respiration or oxygen. If cardiac arrest occurs perform resuscitation. If individual suffers laboured breathing seat individual in half-seated position. If individual is in shock lay on back with legs slightly raised. In case of vomiting, prevent asphyxia/aspiration pneumonia. Keep affected individual warm and monitor constantly. Give psychological aid. Keep the victim calm, avoid physical strain. Depending on the victim's condition: seek medical assistance or consult a doctor.

### 5. Fire-Fighting Measures

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#### 5.1 Extinguishing media:

In case of fire use water spray, BC powder or cover with sand/earth.

#### 5.2 Special hazards due to combustion:

Combustion will result in the release of carbon monoxide and carbon dioxide.

#### 5.3 Advice for fire-fighters:

If products are exposed to fire cool closed containers by spraying with water. Fire may result in physical explosion risk. Extinguish/cool from behind cover. Do not move the load if exposed to heat. After cooling, a persistent risk of physical explosion remains. Use gloves, protective goggles and protective clothing. If exposed to heat or fire use compressed air/oxygen apparatus.

#### 5.4 Hazchem code:

No data.

### 6. Accidental Release Measures

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#### 6.1 Personal precautions:

Wear gas mask with filter type A if the concentration in the air exceeds exposure limits. Wear gloves, protective goggles and protective clothing. Maintain normal hygiene.

## 6.2 Environmental precautions:

Dam up the liquid spill. Use appropriate containment to avoid environmental contamination.

## 6.3 Methods for cleaning up:

Dilute liquid spill into a non combustible material (e.g. sand/earth). Scoop absorbed substance into closing containers. Carefully collect the spill and leftovers. Clean contaminated surfaces with an excess of water. Wash clothing and equipment after handling.

## 6.4 Disposal:

Collect treated spillage. Contact local and regional authorities for further directions.

## 7. Handling and Storage

### 7.1 Handling:

Use spark/explosion proof appliances and lighting system. Keep away from naked flames and heat. Keep away from ignition sources and sparks. Gas and vapour heavier than air at 20°C. Maintain normal hygiene.

### 7.2 Storage:

Protect from sunlight. Do not expose to temperatures exceeding 50 °C. Store in a cool area or fire proof storeroom. Do not exceed legal requirements for storage. Store for a maximum of 1 year.

## 8. Exposure Controls/Personal Protection

### 8.1 Exposure limits:

| CAS no. | Substance or ingredient | WES-TWA  | WES-STEL   |
|---------|-------------------------|--|--|
| 67-64-1 | Acetone (bio)           | 500 ppm, 1,185 mg/m3 (WES NZ)                                | 1,000 ppm, 2,375 mg/m3 (WES NZ)                              |
| 74-98-6 | Propane                 | Simple asphyxiant – may present an explosion hazard (WES NZ) | Simple asphyxiant – may present an explosion hazard (WES NZ) |
| 75-28-5 | Isobutane               | No data.   | No data.   |

### 8.2 Engineering Controls:

Use spark/explosion proof appliances and lighting system. Keep away from naked flames and heat. Keep away from ignition sources and sparks. Measure concentration of the product in the air regularly.

### 8.3 Exposure controls:

| Control     | Protective measure  |
|-------------|---|
| Eye         | Use protective goggles.   |
| Respiratory | Wear a gas mask with a filter type A if concentration in air exceeds exposure limits. |
| Skin        | Wear protective clothing.   |

## 9. Physical and Chemical Properties

### 9.1 General substance properties:

| Property                 | Details   |
|--------------------------|---|
| Appearance               | Aerosol   |
| Odour                    | Acetone odour                                     |
| pH                       | No data.  |
| Vapour pressure          | No data.  |
| Viscosity                | No data.  |
| Boiling Point            | No data.  |
| Volatile materials       | Contains volatile organic compounds (VOC) of 100% |
| Freezing/melting point   | No data.  |
| Solubility               | Soluble in ether and ethanol.                     |
| Specific gravity/density | No data.  |

|  |                                |
|--|--------------------------------|
| <b>Flash point</b>                         | No data.                       |
| <b>Danger of explosion</b>                 | Explosion limits: 1.5-2.8 vol% |
| <b>Auto-ignition temperature</b>           | No data.                       |
| <b>Upper and lower flammability limits</b> | Extremely flammable aerosol.   |
| <b>Corrosiveness</b>                       | No data.                       |

## 10. Stability and Reactivity

### 10.1 Stability:

Stable under normal conditions.

### 10.2 Conditions to avoid:

Avoid using/storing this product around non-spark/explosion proof appliances and lighting. Keep away from naked flames, heat, ignition sources and sparks.

### 10.3 Incompatible materials to avoid:

Avoid oxidising agents, strong acids and strong bases.

### 10.4 Hazardous decomposition products:

Combustion will result in the release of carbon monoxide and carbon dioxide.

## 11. Toxicological Information

### 11.1 Summary of Toxicity

This product is considered harmful.

### 11.2 Acute toxicity:

| Test           | Data and symptoms of exposure  |
|----------------|--|
| <b>Oral</b>    | The calculated LD50 for the final product is 3,750 mg/kg (6.1E (oral)). Constituents include acetone (3,000 mg/kg, oral, mouse). |
| <b>Dermal</b>  | No evidence of dermal toxicity.  |
| <b>Inhaled</b> | Propane (10-20% of final product) is considered a simple asphyxiant. Avoid inhalation.   |
| <b>Eye</b>     | Causes eye irritation (6.4A).  |
| <b>Skin</b>    | This product is considered mildly irritating to the skin (6.3B).   |

### 11.3 Chronic toxicity:

| Test                              | Data and symptoms of exposure   |
|-----------------------------------|---|
| <b>Sensitisation</b>              | Final product not considered a sensitiser. No constituent is considered a sensitiser.   |
| <b>Mutagenicity</b>               | Final product not considered mutagenic. No constituent is considered mutagenic.   |
| <b>Carcinogenicity</b>            | Final product not considered carcinogenic. No constituent considered carcinogenic.  |
| <b>Reproductive/developmental</b> | Final product not considered a reproductive/developmental toxicant. No constituent is considered a reproductive/developmental toxicant. |
| <b>Systemic/targeted organs</b>   | No effects known.   |

## 12. Ecological Information

### 12.1 Ecological properties

| Ecology                       | Ecological data |
|-------------------------------|-----------------|
| <b>Aquatic ecotoxicity</b>    | No data.        |
| <b>Soil ecotoxicity</b>       | No data.        |
| <b>Terrestrial vertebrate</b> | No data.        |

|                                 |  |
|---------------------------------|--|
| <b>Terrestrial invertebrate</b> | No data.   |
| <b>Mobility</b>                 | Contains volatile organic compounds (VOC) of 100%. |
| <b>Degradability</b>            | No data.   |

### 13. Disposal Considerations

#### 13.1 Disposal methods:

This product may be disposed of in a landfill provided this product will be kept separated from contact with explosives, oxidisers and ignition sources at all times. This product may be disposed of by burning in an incineration facility. This product may be disposed of by purging. Further details can be provided by local and regional authorities.

#### 13.2 Disposal restrictions:

The product must not be disposed of in a landfill or purged within range of legally located persons and places, where upon ignition, would expose them to more blast pressure and heat radiation than described in regulation 6(3)(b) of the Hazardous Substances (Disposal) Regulations 2001. Burning must be managed to the performance requirements of regulation 6(3) (b) of the Hazardous Substances (Disposal) Regulations 2001. Disposal of this product by landfill, burning or purging must not exceed any relevant exposure limits and/or environmental exposure limits set for the substance or any of its components. Further details can be provided by local and regional authorities.

#### 13.3 Special precautions for disposal:

No data.

### 14. Transport Information

#### 14.1 Dangerous goods transport information:

| Identification          | Details  | Identification              | Details  |
|-------------------------|----------|-----------------------------|----------|
| <b>UN number</b>        | 1950     | <b>Proper shipping name</b> | Aerosols |
| <b>UN class</b>         | 2        | <b>Subsidiary risk</b>      | No data. |
| <b>UN packing group</b> | No data. | <b>Hazchem code</b>         | No data. |

#### 14.2 Transport provisions by land according to the Standard for the Transport of Dangerous Goods on Land (NZS 5433):

Special provision codes 190, 327, 344, 625. When using combination packages do not pack more than 1 L per inner packaging for liquids. Packages should be ≤30 kg.

#### 14.3 Transport provisions by sea according to the International Maritime Dangerous Goods (IMDG) code:

Special provision codes 190, 327, 344, 625. When using combination packages do not pack more than 1 L per inner packaging for liquids. Packages should be ≤30 kg.

#### 14.4 Transport provisions by air according to International Civil Aviation Organization (ICAO) Technical Instructions:

Special provision codes A145, A167, A802. Packages should be ≤30 kg.

### 15. Regulatory Information

#### 15.1 HSNO approval number and Group Standard:

Group Standard: HSR002515

#### 15.2 Group Standard conditions and other regulations:

| Condition   | Requirement  |
|-------------|--|
| <b>MSDS</b> | Safety data sheet must be available to a person handling the substance within 10 |

|  |                                 |
|--|---------------------------------|
|  | minutes.                        |
| <b>Labelling</b>                         | Never remove or deface label.   |
| <b>Emergency plan</b>                    | Required when storing >3,000 L. |
| <b>Approved handler</b>                  | Required when storing >3,000 L. |
| <b>Tracking</b>                          | Not required.                   |
| <b>Bunding and secondary containment</b> | Required when storing >3,000 L. |
| <b>Signage</b>                           | Required when storing >3,000 L. |
| <b>Test certificate</b>                  | Required when storing >3,000 L. |
| <b>Flammable zone</b>                    | Required when storing >3,000 L. |
| <b>Fire extinguisher</b>                 | Required when storing >3,000 L. |

## 16. Other Information

### 16.1 Date of preparation or revision:

September 2013

### 16.2 Abbreviations:

| Abbreviation                | Description   |
|-----------------------------|---|
| CAS number                  | Number assigned to chemical in the Chemical Abstracts Service registry                                  |
| HAZCHEM code                | Code used by fire-fighters to determine correct method of action in the case of fire                    |
| HSNO                        | Hazardous Substances and New Organisms (Act)  |
| ICAO Technical Instructions | International Civil Aviation Organization Technical Instructions  |
| IMDG code                   | International Maritime Dangerous Goods code controlled by the International Maritime Organization (IMO) |
| LC50                        | Lethal concentration 50% - concentration fatal to 50% of the tested population                          |
| LD50                        | Lethal dose 50% - dose fatal to 50% of the tested population  |
| NZS 5433                    | New Zealand Standard 5433 (Standard for the Transport of Dangerous Goods on Land)                       |
| SDS                         | Safety data sheet   |
| STEL                        | Short term exposure limit   |
| TWA                         | Time weighted average (typically measured as 8 hours)   |
| UN number                   | United nations number   |
| WES                         | Workplace exposure standard   |

### 16.3 References

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material in combination with any other material or in any process, unless specified in the text.