1 Identification

· Product identifier
· Trade name: TRIGGERFOAM PRO CLEANER
· Application of the substance / the mixture
  Cleaner for tools and equipment of uncured one component polyurethane foam

· Details of the supplier of the safety data sheet
· Manufacturer/Supplier:
  DEWALT Industrial Tool Co.
  701 East Joppa Road
  Towson, MD 21286
  USA
· Information department:
  Telephone: 800-524-3244
  Telefax: 877-871-1965
· Emergency telephone number:
  CHEMTREC: 800-424-9300 (within continental USA)
  CHEMTREC: +1 703 527-3887 (outside USA)

2 Hazard(s) identification

· Classification of the substance or mixture
  Flam. Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurized container: May burst if heated.
  Eye Irrit. 2A H319 Causes serious eye irritation.
  STOT SE 3 H336 May cause drowsiness or dizziness.

· Label elements
· GHS label elements
  The product is classified and labeled according to the Globally Harmonized System (GHS).
· Hazard pictograms
  GHS02 GHS07

· Signal word Danger
· Hazard-determining components of labeling:
  acetone
· Hazard statements
  Extremely flammable aerosol. Pressurized container: May burst if heated.
  Causes serious eye irritation.
  May cause drowsiness or dizziness.
· Precautionary statements
  Keep out of reach of children.
  Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
  Do not spray on an open flame or other ignition source.
  Do not pierce or burn, even after use.
  Avoid breathing spray.
  In case of inadequate ventilation wear respiratory protection.
  Wear protective gloves/eye protection/face protection.
  If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
  IF exposed or concerned: Get medical advice/attention.
  Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
Trade name: TRIGGERFOAM PRO CLEANER

(Contd. of page 1)

Dispose of container to in accordance with local/regional/national/international regulation.

· Classification system:
  · NFPA ratings (scale 0 - 4)
    Health = 1
    Fire = 4
    Reactivity = 3
  · HMIS-ratings (scale 0 - 4)
    HEALTH 1
    FIRE 4
    REACTIVITY 3

· Other hazards
  · Results of PBT and vPvB assessment
    · PBT: Not applicable.
    · vPvB: Not applicable.

3 Composition/information on ingredients

· Chemical characterization: Mixtures
  · Description: Mixture of the substances listed below with nonhazardous additions.

· Dangerous components:
<table>
<thead>
<tr>
<th>Chemical</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>67-64-1 acetone</td>
<td>80-85%</td>
</tr>
<tr>
<td>75-28-5 isobutane</td>
<td>15-20%</td>
</tr>
<tr>
<td>74-98-6 propane</td>
<td>&lt;5%</td>
</tr>
</tbody>
</table>

4 First-aid measures

· Description of first aid measures
  · After inhalation: Supply fresh air; consult doctor in case of complaints.
  · After skin contact:
    If skin irritation continues, consult a doctor.
    Immediately wash with water and soap and rinse thoroughly.
  · After eye contact:
    Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
  · After swallowing: If symptoms persist consult doctor.
  · Information for doctor:
  · Most important symptoms and effects, both acute and delayed
    No further relevant information available.
  · Indication of any immediate medical attention and special treatment needed
    No further relevant information available.

5 Fire-fighting measures

· Extinguishing media
  · Suitable extinguishing agents: Foam
  · For safety reasons unsuitable extinguishing agents:
    Water with full jet
    Water

(Contd. on page 3)
Trade name: TRIGGERFOAM PRO CLEANER

- Special hazards arising from the substance or mixture
  No further relevant information available.
- Advice for firefighters
  - Protective equipment: Mouth respiratory protective device.
- Additional information
  Cool endangered receptacles with water spray.
  Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

6 Accidental release measures

- Personal precautions, protective equipment and emergency procedures
  Ensure adequate ventilation
  Keep away from ignition sources
  Wear protective equipment. Keep unprotected persons away.
- Environmental precautions: Do not allow to enter sewers/ surface or ground water.
- Methods and material for containment and cleaning up:
  Ensure adequate ventilation.
- Reference to other sections
  See Section 7 for information on safe handling.
  See Section 8 for information on personal protection equipment.
  See Section 13 for disposal information.

7 Handling and storage

- Handling:
  - Precautions for safe handling
    Ensure good ventilation/exhaustion at the workplace.
    Open and handle receptacle with care.
  - Information about protection against explosions and fires:
    Do not spray on a naked flame or any incandescent material.
    Keep ignition sources away - Do not smoke.
    Protect against electrostatic charges.
    Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C, i.e. electric lights. Do not pierce or burn, even after use.

- Conditions for safe storage, including any incompatibilities
  - Storage:
    - Requirements to be met by storerooms and receptacles:
      Store in a cool location.
      Store only in the original receptacle.
      Observe official regulations on storing packagings with pressurized containers.
    - Information about storage in one common storage facility: Not required.
    - Further information about storage conditions:
      Keep receptacle tightly sealed.
      Do not gas tight seal receptacle.
      Store in cool, dry conditions in well sealed receptacles.
      Protect from heat and direct sunlight.
  - Specific end use(s) No further relevant information available.
Trade name: TRIGGERFOAM PRO CLEANER

8 Exposure controls/personal protection

• Additional information about design of technical systems:
  No further data; see item 7.

• Control parameters
  • Components with limit values that require monitoring at the workplace:
    | Component        | Long-term value:       | Short-term value:       | Long-term value:       |
    |------------------|------------------------|-------------------------|------------------------|
    | 67-64-1 acetone  | 2400 mg/m³, 1000 ppm  | 1187 mg/m³, 500 ppm    | 594 mg/m³, 250 ppm    |
    | REL              | 590 mg/m³, 250 ppm     |                         |                        |
    | TLV Long-term    |                         |                         |                        |
    | BEI             |                         |                         |                        |
    | 75-28-5 isobutane| (2370) mg/m³, (1000) ppm|                         |                        |
    | NIC-EX           |                         |                         |                        |
    | 74-98-6 propane  | 1800 mg/m³, 1000 ppm   |                         |                        |
    | Long-term value: |                         |                         |                        |
    | REL Long-term    |                         |                         |                        |
    | TLV refer to     |                         |                         |                        |
    | Appendix F inTLVs&BEIs book; NIC-EX |            |                        |
  • Additional information: The lists that were valid during the creation were used as basis.

• Exposure controls
  • Personal protective equipment:
    • General protective and hygienic measures:
      Keep away from foodstuffs, beverages and feed.
      Immediately remove all soiled and contaminated clothing.
      Wash hands before breaks and at the end of work.
      Do not inhale gases / fumes / aerosols.
      Avoid contact with the eyes.
      Avoid contact with the eyes and skin.
  • Breathing equipment: Not required.
  • Protection of hands:

  Protective gloves

  The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
  Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
  Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
  • Material of gloves Butyl rubber, BR
  • Penetration time of glove material
    The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
Trade name: TRIGGERFOAM PRO CLEANER

- **Eye protection:**
  - Tightly sealed goggles

### 9 Physical and chemical properties

<table>
<thead>
<tr>
<th>Information on basic physical and chemical properties</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>General Information</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Appearance:</strong></td>
<td></td>
</tr>
<tr>
<td>Form: Aerosol</td>
<td></td>
</tr>
<tr>
<td>Color: Colorless</td>
<td></td>
</tr>
<tr>
<td>Odor: Characteristic</td>
<td></td>
</tr>
<tr>
<td>Odor threshold: Not determined.</td>
<td></td>
</tr>
<tr>
<td>pH-value: Not determined</td>
<td></td>
</tr>
<tr>
<td>Change in condition</td>
<td></td>
</tr>
<tr>
<td>Melting point/Melting range: Undetermined.</td>
<td></td>
</tr>
<tr>
<td>Boiling point/Boiling range: 55 °C (131 °F)</td>
<td></td>
</tr>
<tr>
<td>Flash point: Not applicable</td>
<td></td>
</tr>
<tr>
<td>Flammability (solid, gaseous): Not applicable.</td>
<td></td>
</tr>
<tr>
<td>Ignition temperature: 460 °C (860 °F)</td>
<td></td>
</tr>
<tr>
<td>Decomposition temperature: Not determined.</td>
<td></td>
</tr>
<tr>
<td>Auto igniting: Product is not selfigniting.</td>
<td></td>
</tr>
<tr>
<td>Danger of explosion: Not determined.</td>
<td></td>
</tr>
<tr>
<td>Explosion limits:</td>
<td></td>
</tr>
<tr>
<td>Lower: 2.6 Vol %</td>
<td></td>
</tr>
<tr>
<td>Upper: 13.0 Vol %</td>
<td></td>
</tr>
<tr>
<td>Vapor pressure at 20 °C (68 °F): 233 hPa (175 mm Hg)</td>
<td></td>
</tr>
<tr>
<td>Density at 20 °C (68 °F): 0.79 g/cm³ (6.593 lbs/gal)</td>
<td></td>
</tr>
<tr>
<td>Solubility in / Miscibility with Water: Soluble.</td>
<td></td>
</tr>
<tr>
<td>Solvent content: 100 %</td>
<td></td>
</tr>
<tr>
<td>Other information: No further relevant information available.</td>
<td></td>
</tr>
</tbody>
</table>

### 10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
  - No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
11 Toxicological information

- **Information on toxicological effects**
  - **Acute toxicity:**
    - **LD/LC50 values that are relevant for classification:**
      | Substance     | LD50   | LC50  |
      |----------------|--------|-------|
      | 67-64-1 acetone| 5800 mg/kg (rat) | 20000 mg/kg (rabbit) |
  - **Primary irritant effect:**
    - **on the skin:** No irritant effect.
    - **on the eye:** Irritating effect.
  - **Sensitization:** No sensitizing effects known.
  - **Additional toxicological information:**
    The product shows the following dangers according to internally approved calculation methods for preparations:
    Irritant
  - **Carcinogenic categories**
    - **IARC (International Agency for Research on Cancer)**
      None of the ingredients is listed.
    - **NTP (National Toxicology Program)**
      None of the ingredients is listed.
    - **OSHA-Ca (Occupational Safety & Health Administration)**
      None of the ingredients is listed.

12 Ecological information

- **Toxicity**
  - **Aquatic toxicity:** No further relevant information available.
  - **Persistence and degradability** No further relevant information available.
  - **Behavior in environmental systems:**
    - **Bioaccumulative potential** No further relevant information available.
    - **Mobility in soil** No further relevant information available.
  - **Additional ecological information:**
    - **General notes:**
      Water hazard class 1 (Self-assessment): slightly hazardous for water
      Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
  - **Results of PBT and vPvB assessment**
    - **PBT:** Not applicable.
    - **vPvB:** Not applicable.
  - **Other adverse effects** No further relevant information available.
13 Disposal considerations

- **Waste treatment methods**
  - **Recommendation:**
    Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

- **Uncleaned packagings:**
  - **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

<table>
<thead>
<tr>
<th><strong>UN-Number</strong></th>
<th>UN1950</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>DOT, ADR, IMDG, IATA</strong></td>
<td>UN1950 AEROSOLS</td>
</tr>
<tr>
<td><strong>UN proper shipping name</strong></td>
<td>1950 AEROSOLS AEROSOLS, flammable</td>
</tr>
<tr>
<td><strong>ADR</strong></td>
<td>1950 AEROSOLS AEROSOLS, flammable</td>
</tr>
<tr>
<td><strong>DOT, IMDG, IATA</strong></td>
<td>2.1</td>
</tr>
<tr>
<td><strong>Label</strong></td>
<td>2.1</td>
</tr>
<tr>
<td><strong>ADR</strong></td>
<td>2.1</td>
</tr>
<tr>
<td><strong>Class</strong></td>
<td>2 5F Gases</td>
</tr>
<tr>
<td><strong>Label</strong></td>
<td>2.1</td>
</tr>
<tr>
<td><strong>Packing group</strong></td>
<td>Void</td>
</tr>
<tr>
<td><strong>DOT, ADR, IMDG, IATA</strong></td>
<td>UN1950, Aerosols, 2.1</td>
</tr>
</tbody>
</table>

**Environmental hazards:**
Marine pollutant: No

**Special precautions for user**
Warning: Gases
EMS Number: F-D,S-U

**Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**
Not applicable.

**Transport/Additional information:**
ADR Remarks: LQ: 1l
UN "Model Regulation": UN1950, Aerosols, 2.1
15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
  - **Sara**
    - **Section 355 (extremely hazardous substances):**
      None of the ingredient is listed.
    - **Section 313 (Specific toxic chemical listings):**
      None of the ingredients is listed.
  - **TSCA (Toxic Substances Control Act):**
    All ingredients are listed.
  - **Proposition 65**
    - **Chemicals known to cause cancer:**
      None of the ingredients is listed.
    - **Chemicals known to cause reproductive toxicity for females:**
      None of the ingredients is listed.
    - **Chemicals known to cause reproductive toxicity for males:**
      None of the ingredients is listed.
    - **Chemicals known to cause developmental toxicity:**
      None of the ingredients is listed.

- **Carcinogenic categories**
  - **EPA (Environmental Protection Agency)**
    - 67-64-1 | acetone | I
  - **TLV (Threshold Limit Value established by ACGIH)**
    - 67-64-1 | acetone | A4
  - **NIOSH-Ca (National Institute for Occupational Safety and Health)**
    None of the ingredients is listed.

- **GHS label elements**
  The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms**
  - GHS02
  - GHS07

- **Signal word** Danger
- **Hazard-determining components of labeling:** acetone
- **Hazard statements**
  Extremely flammable aerosol. Pressurised container: May burst if heated. Causes serious eye irritation. May cause drowsiness or dizziness.
- **Precautionary statements**
  Keep out of reach of children. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source.
### Trade name: TRIGGERFOAM PRO CLEANER

Do not pierce or burn, even after use.
Avoid breathing spray.
In case of inadequate ventilation wear respiratory protection.
Wear protective gloves/eye protection/face protection.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF exposed or concerned: Get medical advice/attention.
Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
Dispose of container to in accordance with local/regional/national/international regulation.

**Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**Abbreviations and acronyms:**
- Flam. Aerosol 1: Aerosols – Category 1
- Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A
- STOT SE 3: Specific target organ toxicity (single exposure) – Category 3