# 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 Tools
    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 Extremely flammable aerosol.
  - H229 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.
  - Wear protective gloves/eye protection/face protection.
  - In case of inadequate ventilation wear respiratory 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.

(Contd. on page 2)
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.

- **Additional information:** Repeated exposure may cause skin dryness or cracking.
- **NFPA ratings (scale 0 - 4)**
  - Health = 1
  - Fire = 4
  - Reactivity = 3
- **HMIS-ratings (scale 0 - 4)**
  - Health = 1
  - Fire = 4
  - Reactivity = 3

**Additional information:**
- Results of PBT and vPvB assessment: Not applicable.

### 3 Composition/information on ingredients

- **Chemical characterization:** Mixtures
- **Description:** Mixture of the substances listed below with nonhazardous additions.
- **Dangerous components:**
  - CAS: 67-64-1 acetone 80-85%
  - CAS: 75-28-5 isobutane 15-20%
  - CAS: 74-98-6 propane <5%

### 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
  - Special hazards arising from the substance or mixture
    - No further relevant information available.

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Safety Data Sheet
acc. to OSHA HCS

Printing date 03/23/2020
Reviewed on 03/23/2020

Trade name: TRIGGERFOAM PRO CLEANER

· 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.

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:
The following constituent is the only constituent of the product which has a PEL, TLV or other recommended exposure limit.
At this time, the other constituents have no known exposure limits.

**CAS: 67-64-1 acetone**

<table>
<thead>
<tr>
<th></th>
<th>Long-term value: 2400 mg/m³, 1000 ppm</th>
<th>Long-term value: 590 mg/m³, 250 ppm</th>
</tr>
</thead>
<tbody>
<tr>
<td>PEL</td>
<td></td>
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<tr>
<td>REL</td>
<td></td>
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<tr>
<td>TLV</td>
<td>Short-term value: 1187 mg/m³, 500 ppm</td>
<td>Long-term value: 594 mg/m³, 250 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>BEI</td>
</tr>
</tbody>
</table>

Ingredients with biological limit values:

**CAS: 67-64-1 acetone**

<table>
<thead>
<tr>
<th></th>
<th>50 mg/L</th>
</tr>
</thead>
<tbody>
<tr>
<td>BEI</td>
<td></td>
</tr>
<tr>
<td>Medium</td>
<td>urine</td>
</tr>
<tr>
<td>Time</td>
<td>end of shift</td>
</tr>
<tr>
<td>Parameter</td>
<td>Acetone (nonspecific)</td>
</tr>
</tbody>
</table>

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

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

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

- Information on basic physical and chemical properties
  - General Information
  - Appearance:
    - Form: Aerosol
    - Color: Colorless
  - Odor:
    - Odor threshold: Not determined.
  - pH-value: Not determined.
  - Change in condition
    - Melting point/Melting range: Undetermined.
    - Boiling point/Boiling range: 55 °C (131 °F)
  - Flash point: Not applicable.
  - Flammability (solid, gaseous): Not applicable.
  - Ignition temperature: 460 °C (860 °F)
  - Decomposition temperature: Not determined.
  - Auto igniting: Product is not selfigniting.
  - Danger of explosion: Not determined.
  - Explosion limits:
    - Lower: 2.6 Vol %
    - Upper: 13.0 Vol %
  - Vapor pressure at 20 °C (68 °F): 233 hPa (174.8 mm Hg)
  - Density at 20 °C (68 °F): 0.79 g/cm³ (6.59255 lbs/gal)
  - Solubility in / Miscibility with Water: Soluble.
  - Solvent content: 100 %
  - Other information No further relevant information available.

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.
- Incompatible materials: No further relevant information available.
Trade name: TRIGGERFOAM PRO CLEANER

11 Toxicological information

· Information on toxicological effects
  - Acute toxicity:
    - LD/LC50 values that are relevant for classification:
      - CAS: 67-64-1 acetone
        - Oral LD50 5,800 mg/kg (rat)
        - Dermal LD50 20,000 mg/kg (rabbit)
  - Primary irritant effect:
    - on the skin: No irritant effect.
    - on the eye: Irritating effect.
    - Sensitization: No sensitizing effects known.

· 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.
  - 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.
Trade name: TRIGGERFOAM PRO CLEANER

· Uncleaned packaging:
  · Recommendation: Disposal must be made according to official regulations.

14 Transport information

· UN-Number
  · DOT, IMDG, IATA
    UN1950

· UN proper shipping name
  · IMDG
    AEROSOLS
  · IATA
    AEROSOLS, flammable

· Transport hazard class(es)
  · DOT, IMDG, IATA
    Class 2.1
    Label 2.1

· Packing group
  · DOT, IMDG, IATA
    Void

· Environmental hazards:
  · Marine pollutant:
    No

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

· 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):
  · CAS: 67-64-1 acetone
  · CAS: 75-28-5 isobutane
  · CAS: 74-98-6 propane

· 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.
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- Chemicals known to cause developmental toxicity:
  None of the ingredients is listed.

- Carcinogenic categories
  - EPA (Environmental Protection Agency)
    CAS: 67-64-1 acetone
    | I
  - TLV (Threshold Limit Value established by ACGIH)
    CAS: 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.
  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.
  Wear protective gloves/eye protection/face protection.
  In case of inadequate ventilation wear respiratory 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