

# TORNILOCK T-63

01/2025

## 1. Product identification.

**Product identifier:**

- Trade name:
  - \* Tornilock T-63.
- Article number:
  - \* T-63.

**Relevant identified uses of the substance or mixture and uses advised against:**

- Threadlocker and screws:
  - \* No further relevant information is available.

**Details of the supplier of the safety data sheet.**

- Manufacturer/distributor:
  - \* Adhesivos y Suministros de México S.A de C.V
  - \* Av. Circunvalación Agustín Yáñez, 1928.
  - \* Col. Moderna, Guadalajara, Jalisco, Mexico
  - \* Telephone: + 52 33 3810 5638
  - \* Email: contacto@tornilock.com
  - \* Website: www.tornilock.com
- Emergency telephone:
  - \* México: (800) 009 28 00

## 2. Identification of the hazard or hazards.

**Classification of the substance or mixture:**

GHS07



**Identificación del producto:**

- |   |   |
|---|---|
| • Skin corrosion/irritation – Category 2          | H315 - Causes skin irritation.              |
| • Serious eye damage/eye irritation – Category 2A | H319 - Causes serious eye irritation.       |
| • Skin sensitisation – Category 1                 | H317 - May cause an allergic skin reaction. |
| • Specific target organ toxicity – Category 3     | H335 - May cause respiratory irritation.    |

**Label elements:**

- GHS label elements:
  - \* The product has been classified and labeled in accordance with the Globally Harmonized System (GHS).
  - \* Hazard pictograms:

GHS07



\* **Signal word:**

» Warning.

\* **Hazardous ingredients to indicate on labeling:**

» 2-(2-methylprop-2-enoyloxy)ethyl 2-methylprop-2-enoate.

\* **Hazard statements:**

- » H315 Causes skin irritation.
- » H319 Causes serious eye irritation.
- » H317 May cause an allergic skin reaction.
- » H335 May cause respiratory irritation.

\* **Precautionary statements:**

- » P280 Wear eye/face/hand protection.
- » P304+P340 If inhaled, remove the person to fresh air and keep comfortable for breathing.
- » P305+P351+P338 If in eyes:
  - ◇ Rinse cautiously with water for several minutes.
  - ◇ Remove contact lenses, if present and easy to do.
  - ◇ Continue rinsing.
- » PP312 Call a POISON CENTER/doctor if you feel unwell.
- » P333+P313 If skin irritation or rash occurs, get medical advice/attention.



- » P405 Store locked up.
- » P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**Classification system:**

- NFPA rating (scale 0 - 4):
  - » Health = 2
  - » Fire = 1
  - » Reactivity = 0
- HMIS rating (scale 0 - 4):
  - » Health = 2
  - » Fire = 1
  - » Reactivity = 0
- Other hazards:
  - \* Results of PBT and vPvB assessment:
    - » PBT:
      - ◊ Not applicable.
    - » mPmB:
      - ◊ Not applicable.

**3. Composition/information on ingredients.****Chemical characterization:**

- Mixtures.

**Description:**

- A combination consisting of the substances listed below, together with additions that do not present risks.

**Hazardous components:**

|                 |   |          |
|-----------------|---|----------|
| CAS: 25852-47-5 | 2-(2-methylprop-2-enoyloxy)ethyl 2-(2-methylprop-2-enoyloxy)ethyl 2-methylprop-2-enoate<br>Skin corrosion/irritation - Category 2, H315; Serious eye damage/eye irritation - Category 2A, H319; Specific target organ toxicity (single exposure) - Category 3, H335; Flammable liquids - Category 4, H227.  | 30 – 39% |
| CAS: 10595-06-9 | 2-phenoxyethyl methacrylate<br>Skin corrosion/irritation - Category 2, H315; Serious eye damage/eye irritation - Category 2A, H319.   | 20 – 29% |
| CAS: 1985-51-9  | Neopentyl Glycol Dimethacrylate<br>Skin corrosion/irritation - Category 2, H315; Serious eye damage/eye irritation - Category 2A, H319  | 9.20%    |
|                 | Bisphenol A epoxy Acrylate<br>Skin sensitization - Category 1, H317.  | 5 – 9%   |
|                 | Modified Epoxy Acrylate Oligomer<br>Explosives - Division 1.3, H203; Skin corrosion/irritation - Category 2, H315; Serious eye damage/eye irritation - Category 2A, H319; Skin sensitization - Category 1, H317.  | 1 – 4%   |
| CAS: 24615-84-7 | 2-carboxyethyl acrylate<br>Skin corrosion/irritation - Category 1B, H314; Serious eye damage/eye irritation - Category 1, H318; Specific target organ toxicity (single exposure) - Category 3, H335.  | 1 – 4%   |
| CAS: 80-15-9    | a,a-dimethylbenzyl hydroperoxide<br>Organic peroxides - Type E, H242; Acute inhalation toxicity - Category 3, H331; Specific target organ toxicity (repeated exposures) - Category 2, H373; Skin corrosion/irritation - Category 1B, H314; Acute ingestion toxicity - Category 4, H302; Acute dermal toxicity - Category 4, H312; Flammable liquids - Category 4, H227. | ≤ 1%     |
| CAS: 110-16-7   | maleic acid<br>Acute toxicity by ingestion - Category 4, H302; Acute dermal toxicity - Category 4, H312; Skin corrosion/irritation - Category 2, H315; Irrit. oc. 2, H319; Skin sensitization - Category 1, H317; Specific target organ toxicity (single exposure) - Category 3, H335.  | ≤ 1%     |



CAS: 114-83-0 2'-phenylacetohydrazide ≤ 1%  
Acute toxicity by ingestion - Category 4, H302; Skin corrosion/irritation - Category 2, H315; Serious eye damage/eye irritation - Category 2A, H319; Skin sensitization - Category 1, H317; Specific target organ toxicity (single exposure) - Category 3, H335.

**Additional information:**

- The text of the potential risks indicated here can be found in chapter 11.

## 4. First aid.

**Description of first aid measures:**

- General instructions:
  - \* Symptoms of poisoning may appear hours later, so medical monitoring is necessary for at least 48 hours after the incident.

**In case of inhalation of the product:**

- Unconscious persons should be placed and transported on their side with adequate stability.
- Provide fresh air and, in case of complications, consult a doctor.

**In case of contact with the skin:**

- Wash immediately with soap and water, and rinse well.

**In case of contact with the eyes:**

- Rinse open eyes with running water for several minutes. If symptoms persist, consult a doctor.

**In case of ingestion:**

- Consult a doctor if symptoms persist.

**Information for the doctor:**

- Main symptoms and effects, acute and delayed:
  - \* No additional relevant data available.
- Indication of any immediate medical attention and special treatment needed:
  - \* No additional relevant data available.

## 5. Firefighting measures.

**Suitable extinguishing media:**

- Use extinguishing methods appropriate to the environment.

**Specific hazards arising from the substance or mixture:**

- No additional relevant data available.

**Recommendations for fire-fighting personnel:**

**CAS: 80-15-9 a,a-dimethylbenzyl hydroperoxide.**

WEEL (US) VLE-PPT: 6 mg/m<sup>3</sup>, 1 ppm

Skin

- Special protective equipment:
  - \* Wear self-contained breathing apparatus.
  - \* Wear a full protective suit.

## 6. Measures to be taken in case of accidental spillage.

**Personal precautions, protective equipment and emergency procedures:**

- Ensure adequate ventilation.
- Use personal protective equipment.

**Environmental precautions:**

- Prevent the product from entering the sewage system, surface water or groundwater.

**Methods and materials for containment and cleaning up spills or leaks:**

- Remove spilled material using adsorbentssuch as sand, kieselguhr, acid binders, universal binders or sawdust.
- Ensure adequate ventilation during the process.
- Dispose of collected material in accordance with current regulations.

**Reference to other sections:**

- See chapter 7 for additional information on safe handling.
- See chapter 8 for additional details on personal protective equipment.

## 7. Handling and storage.

### Handling:

- Precautions for safe handling:
  - \* Ensure adequate ventilation in the work area.
  - \* Avoid creation of aerosols.
  - \* No special measures required if handled correctly.
- Prevention of fire and explosion:
  - \* No special measures required.

### Condiciones de almacenamiento seguro, incluidas posibles incompatibilidades:

- Storage:
  - \* Requirements for storeroom and containers:
    - » No special measures required.
  - \* Information on storage in one place:
    - » Not required.
  - \* Additional information on storage conditions:
    - » Keep containers tightly closed.
    - » Store in a cool, dry place.

### Specific end uses:

- \* No additional relevant data available.

## 8. Exposure controls/personal protection.

### Additional information for the design of technical facilities:

- No additional data, see point 7.

### Control parameters:

- Components with limit values that require monitoring at the workplace:

|  |  |
|--|--|
| <b>CAS: 80-15-9 hidroperóxido de a,a-dimetilbencilo.</b> |  |
| WEEL (US)  | VLE-PPT: 6 mg/m <sup>3</sup> , 1 ppm<br>Skin |

- Additional information:
  - \* The lists valid at the time of creation were used as a basis.

### Exposure controls:

- Personal protective equipment:
  - \* General protective and hygiene measures:
    - » Keep away from food, drink and animal feed.
    - » Immediately remove soiled or contaminated clothing.
    - » Wash hands before breaks and at the end of work.
    - » Avoid contact with eyes and skin.
- Respiratory protection:
  - \* Not necessary.
- If exposure is to be brief or of low intensity, wear a respiratory mask; for more intense or longer exposure, use self-contained breathing apparatus.



### Hand protection:

- The glove material must be impermeable and resistant to the product/substance/preparation.
- Selection of glove material based on breakthrough times, degree of permeability and degradation.

### Glove material:

- The choice of the right glove does not only depend on the material, but also on other quality characteristics, which may vary from one manufacturer to another, considering that the product is made from different materials, its quality cannot be assessed in advance, so the gloves must be checked before use.
- Nitrile rubber.
- Penetration time of glove material.
- The exact penetration resistance time must be requested from the glove manufacturer, this time must be respected.

**Hand protection:**

- Tightly sealed safety glasses.
- Body protection: Protective work clothing.

## 9. Physical and chemical properties.

### Information on basic physical and chemical properties:

- General information:

- \* Appearance:

|                   |                 |
|-------------------|-----------------|
| » Form:           | Liquid.         |
| » Colour:         | Red.            |
| » Odor:           | Characteristic. |
| » Odor threshold: | Not determined. |
| » pH value:       | Not determined. |

- \* Change of state:

|                                  |                                   |
|----------------------------------|-----------------------------------|
| » Melting point / melting range: | Undetermined.                     |
| » Boiling point / boiling range: | 392 °F.                           |
| » Flash point:                   | > 267.8 °F.                       |
| » Flammability (solid, gaseous): | Not applicable.                   |
| » Ignition temperature:          | The product is not self-igniting. |
| » Decomposition temperature:     | Not determined.                   |
| » Self-ignition:                 | The product is not self-igniting. |
| » Explosion hazard:              | The product is not explosive.     |

- \* Explosion limits:

|  |                           |
|--|---------------------------|
| » Lower:                                   | Not determined.           |
| » Upper:                                   | Not determined.           |
| » Vapor pressure:                          | Not determined.           |
| » Density at 68 °F:                        | ~ 1.1 g/cm <sup>3</sup> . |
| » Relative density:                        | Not determined.           |
| » Vapor density at 154.4 °F:               | ≤ 1.3 hPa.                |
| » Evaporation rate:                        | Not determined.           |
| » Solubility in / miscibility with water:  | Poorly or not miscible.   |
| » Partition coefficient (n-octanol/water): | Not determined.           |

- \* Viscosity:

|              |                 |
|--------------|-----------------|
| » Dynamic:   | Not determined. |
| » Kinematic: | Not determined. |

- \* Solvent concentration:

|                                       |                                     |
|---------------------------------------|-------------------------------------|
| » Organic solvents:                   | 0.6 %.                              |
| » Water:                              | 1.3 %.                              |
| » VOC (EC):                           | 0.62 %.                             |
| » Solids and solvents content solids: | 95.5 %.                             |
| * Additional information:             | No further relevant data available. |

## 10. Stability and reactivity.

### Reactivity:

- No further relevant information is available.

### Chemical stability:

- Thermal decomposition / conditions to avoid:
  - \* No decomposition when used as intended.
- Possibility of hazardous reactions:
  - \* No hazardous reactions known.
- Conditions to avoid:
  - \* No further relevant information is available.
- Incompatible materials:
  - \* No further relevant information is available.
- Hazardous decomposition products:
  - \* Aldehydes
  - \* Hydrocarbons.

## 11. Toxicological information.

### Information on toxicological effects:

- Acute toxicity:

### LD/LC50 values (lethal dose / lethal dose = 50%) relevant for classification:

#### ATE (Acute Toxicity Estimates).

Inhalatory LC50/4 h 29,101 mg/l (rat)

#### CAS: 80-15-9 a,a-dimethylbenzyl hydroperoxide.

Oral LD50 382 mg/kg (rat)

Dermal LD50 500 mg/kg (rat)

Inhalatory LC50/4 h 220 mg/l (rat)

#### CAS: 114-83-0 2'-phenylacetohydrazide.

Oral LD50 270 mg/kg (rat)

#### CAS: 110-16-7 maleic acid.

Oral LD50 708 mg/kg (rat)

Dermal LD50 1,560 mg/kg (rat)

- Primary irritant effect:
  - \* On the skin:
    - » Irritant to skin and mucous membranes.
  - \* On the eye:
    - » Causes irritation.
  - \* Sensitization:
    - » No sensitizing effect known.
- Additional toxicological information:
  - \* In accordance with the calculation procedure contained in the latest version of the EC General Classification Regulation for Preparations, the product presents the following risks:



» Irritant.

**12. Ecotoxicological information.****Toxicity:**

- Aquatic toxicity:
  - \* No further relevant data available.
- Persistence and degradability:
  - \* No further relevant data available.

**Behavior in ecological systems:**

- Bioaccumulation potential:
  - \* No further relevant data available.
- Mobility in soil:
  - \* No further relevant data available.

**Additional environmental information:**

- General instructions:
  - \* Water hazard level 1 (self-classification): Slightly hazardous to water.
  - \* In undiluted or unneutralized state, do not allow to infiltrate into groundwater, surface water or sewers.

**Results of PBT and vPvB assessment:**

- PBT:
  - \* Not applicable.
- mPmB:
  - \* Not applicable.
- Other adverse effects:
  - \* No further relevant data available.

**13. Information regarding the disposal of products.****Waste treatment methods:**

- Recommendation:
  - \* It should not be disposed of with household waste.
  - \* It should not reach the sewer.
- Uncleaned packaging:
  - \* Recommendation:
    - » Dispose of in accordance with official regulations.

**14. Information relating to transport.**

|   |                |
|---|----------------|
| UN number.<br>· ADR, ADN, IMDG, IATA.                                 | Deleted        |
| Proper shipping name.<br>· ADR, ADN, IMDG, IATA.                      | Deleted        |
| Transport class(es).<br>· ADR, ADN, IMDG, IATA.<br>* Class.           | Deleted        |
| Packaging group.<br>· ADR, IMDG, IATA.                                | Deleted        |
| Environmental hazards.<br>· Marine pollutant.                         | No             |
| Special precautions for the user.                                     | Not applicable |
| Transport in bulk according to Annex II of MARPOL 73/78 and IBC Code. | Not applicable |
| UNECE "Model Regulations".  | Deleted        |

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## 15. Regulatory information.

Specific safety, health and environmental regulations applicable to hazardous chemicals or their mixtures:

- No further relevant data available.

### National Inventory of Chemical Substances

CAS: 27813-02-1 methacrylic acid, monoester with propane-1,2-dio.

CAS: 80-15-9 a,a-dimethylbenzyl hydroperoxide.

CAS: 98-82-8 cumene.

Chemical Safety Assessment:

- A chemical safety assessment has not been conducted.

## 16. Other information.

The data are based on the current state of our knowledge, but do not constitute any guarantee of product qualities and do not create any contractual legal relationship.





Material safety data sheet

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[contacto@tornilock.com](mailto:contacto@tornilock.com)



[www.tornilock.com](http://www.tornilock.com)