

Date of issue: 05/05/2025

Reviewed on 05/05/2025

### 1 Identification

- **Product identifier**
  - **Trade name:** Torque-Lok Medium Strength Threadlocker Stick
- **Other means of identification**
  - **Part number:** 80-2190
  - **Application of the substance / the mixture** Thread Locking
- **Details of the supplier of the safety data sheet**
  - **Manufacturer/Supplier:**  
Kimball Midwest  
4800 Roberts Road  
Columbus, OH 43228  
Tel: (800) 233-1294
  - **Information department:** Product Safety Department
- **Emergency telephone number:**  
United States: 1-800-424-9300  
International: +1-703-527-3887

### 2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS07

Skin irritation 2	H315 Causes skin irritation.
Eye irritation 2A	H319 Causes serious eye irritation.
Sensitization - skin 1	H317 May cause an allergic skin reaction.
Specific target organ toxicity (single exposure) 3	H335 May cause respiratory irritation.

- **Label elements**

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

- **Hazard pictograms**



GHS07

- **Signal word** Warning

- **Hazard-determining components of labeling:**  
2-(2-methylprop-2-enoyloxy)ethyl 2-methylprop-2-enoate  
2'-phenylacetohydrazide

- **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**

P261	Avoid breathing dust/fume/gas/mist/vapors/spray
P264	Wash thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing must not be allowed out of the workplace.
P280	Wear protective gloves.
P280	Wear eye protection / face protection.
P302+P352	If on skin: Wash with plenty of water.
P304+P340	If inhaled: Remove 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.
P312	Call a poison center/doctor if you feel unwell.
P362+P364	Take off contaminated clothing and wash it before reuse.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P321	Specific treatment (see on this label).
P337+P313	If eye irritation persists: Get medical advice/attention.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

(Contd. on page 2)

# Safety Data Sheet

acc. to OSHA HCS

Date of issue: 05/05/2025

Reviewed on 05/05/2025

Trade name: Torque-Lok Medium Strength Threadlocker Stick

(Contd. of page 1)

**- Other hazards****- Results of PBT and vPvB assessment****- PBT:** Not applicable.**- vPvB:** Not applicable.**- Classification according to (d)(1)(ii) of § 1910.1200**

The SDS issuer does not object to the classifications provided by importers or manufacturers of precursor products.

**- Hazards not otherwise classified**

There are no adverse physical or health effects known that are not covered by the hazard classes of the Hazard Communications Standard.

### 3 Composition/information on ingredients

**- Chemical characterization: Mixtures****- Description:** Mixture of the substances listed below with nonhazardous additions.**- Dangerous components:**

CAS: 25852-47-5	2-(2-methylprop-2-enoyloxy)ethyl 2-methylprop-2-enoate Skin irritation 2, H315; Eye irritation 2A, H319; Specific target organ toxicity (single exposure) 3, H335	30 – 60%
CAS: 80-15-9	dimethylbenzyl hydroperoxide Self-reactive substances and mixtures - Type F, H242; Organic peroxides - Type E, H242; Acute toxicity - inhalation 3, H331; Specific target organ toxicity (repeated exposure) 2, H373; Aspiration hazard 1, H304; Skin corrosion 1B, H314; Eye damage 1, H318; Acute toxicity - oral 4, H302; Acute toxicity - dermal 4, H312; Specific target organ toxicity (single exposure) 3, H335; Flammable liquids 4, H227	0.1 – 1%
CAS: 114-83-0	2'-phenylacetohydrazide Acute toxicity - oral 4, H302; Skin irritation 2, H315; Eye irritation 2A, H319; Sensitization - skin 1, H317; Specific target organ toxicity (single exposure) 3, H335	0.1 – 1%

### 4 First-aid measures

**- Description of first aid measures****- After inhalation:**

In case of unconsciousness place patient stably in side position for transportation.

Supply fresh air; consult doctor in case of complaints.

**- After skin contact:** 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.**- 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:**CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.**- Special hazards arising from the substance or mixture** No further relevant information available.**- Advice for firefighters****- Protective equipment:**

Wear self-contained respiratory protective device.

Wear fully protective suit.

### 6 Accidental release measures

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

Ensure adequate ventilation

Wear protective clothing.

**- Environmental precautions:** Do not allow to enter sewers/ surface or ground water.**- Methods and material for containment and cleaning up:**

Ensure adequate ventilation.

Dispose of the collected material according to regulations.

**- 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

**- Precautions for safe handling**

Ensure good ventilation/exhaustion at the workplace.

No special precautions are necessary if used correctly.

(Contd. on page 3)

# Safety Data Sheet

acc. to OSHA HCS

Date of issue: 05/05/2025

Reviewed on 05/05/2025

Trade name: Torque-Lok Medium Strength Threadlocker Stick

(Contd. of page 2)

- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
  - **Storage:**
    - **Requirements to be met by storerooms and receptacles:** No special requirements.
    - **Information about storage in one common storage facility:** Not required.
    - **Further information about storage conditions:**
      - Keep receptacle tightly sealed.
      - Store in cool, dry conditions in well sealed receptacles.
  - **Specific end use(s)** No further relevant information available.

## 8 Exposure controls/personal protection

- **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: 80-15-9 dimethylbenzyl hydroperoxide

WEEL	Long-term value: 6 mg/m <sup>3</sup> , 1 ppm
	Skin

- **Additional information:** The lists that were valid during the creation were used as basis.

- **Exposure controls**
  - **Appropriate engineering controls** No further data; see section 7.
  - **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.
      - Avoid contact with the eyes and skin.
    - **Breathing equipment:**
      - Not required.
      - In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.
    - **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. 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. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
  - Nitrile rubber, NBR
- **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.
- **Eye protection:** Required use of safety glasses
- **Body protection:** Protective work clothing

## 9 Physical and chemical properties

- **Information on basic physical and chemical properties**
  - **General Information**

- <b>Physical state</b>	Solid
- <b>Color:</b>	Blue
- <b>Odor:</b>	Mild
- <b>Odor threshold:</b>	Not determined.
- <b>Melting point/Melting range:</b>	Undetermined.
- <b>Boiling point/Boiling range:</b>	≥ 200 °C (≥ 392 °F)
- <b>Flammability:</b>	Not determined.
- <b>Explosion limits:</b>	
- <b>Lower:</b>	Not determined.
- <b>Upper:</b>	Not determined.
- <b>Flash point:</b>	≥ 95 °C (≥ 203 °F)
- <b>Decomposition temperature:</b>	Not determined.

(Contd. on page 4)

# Safety Data Sheet

acc. to OSHA HCS

Date of issue: 05/05/2025

Reviewed on 05/05/2025

Trade name: Torque-Lok Medium Strength Threadlocker Stick

(Contd. of page 3)

- <b>pH-value:</b>	Not applicable.
- <b>Viscosity:</b>	
- <b>Kinematic:</b>	Not applicable.
- <b>Dynamic:</b>	Not applicable.
- <b>Solubility in / Miscibility with</b>	
- <b>Water:</b>	Soluble.
- <b>Partition coefficient (n-octanol/water):</b>	Not determined.
- <b>Vapor pressure at 20 °C (68 °F):</b>	n.a. hPa
- <b>Vapor pressure:</b>	
- <b>Density at 20 °C (68 °F):</b>	~ 1.0665 g/cm <sup>3</sup> (~ 8.89994 lbs/gal)
- <b>Relative density</b>	Not determined.
- <b>Vapor density</b>	Not applicable.
- <b>Particle characteristics</b>	Not determined.
<b>- Other information</b>	
- <b>Appearance:</b>	
- <b>Form:</b>	Pasty
- <b>Important information on protection of health and environment, and on safety.</b>	
- <b>Ignition temperature:</b>	Product is not selfigniting.
- <b>Danger of explosion:</b>	Product does not present an explosion hazard.
- <b>Solvent content:</b>	
- <b>Organic solvents:</b>	0.9 %
- <b>Water:</b>	0.4 %
- <b>VOC content:</b>	0.91 %
- <b>Solids content:</b>	96.4 %
- <b>Change in condition</b>	
- <b>Evaporation rate</b>	Not applicable.

## 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.
- **Hazardous decomposition products:**
  - Aldehyde
  - Hydrocarbons

## 11 Toxicological information

### - Information on toxicological effects

#### - Acute toxicity:

##### - LD/LC50 values that are relevant for classification:

#### ATE (Acute Toxicity Estimate)

Inhalative	LC50/4 h	28,162 mg/l (rat)
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#### CAS: 80-15-9 dimethylbenzyl hydroperoxide

Oral	LD50	382 mg/kg (rat)
Dermal	LD50	500 mg/kg (rat)
Inhalative	LC50/4 h	220 mg/l (rat)

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

Oral	LD50	270 mg/kg (mouse)
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#### - Primary irritant effect:

- **on the skin:** Irritant to skin and mucous membranes.
- **on the eye:** Irritating effect.

#### - Sensitization: Sensitization possible through skin contact.

#### - Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations:  
Irritant

- **Interactive effects** No interactive effects between components are known.

(Contd. on page 5)

# Safety Data Sheet

acc. to OSHA HCS

Date of issue: 05/05/2025

Reviewed on 05/05/2025

Trade name: Torque-Lok Medium Strength Threadlocker Stick

(Contd. of page 4)

**- Carcinogenic categories****- IARC (International Agency for Research on Cancer)**

CAS: 98-82-8	Cumene	2B
CAS: 13463-67-7	titanium dioxide	2B

**- NTP (National Toxicology Program)**

CAS: 98-82-8	Cumene	R
CAS: 130-15-4	1,4-naphthoquinone	R

**- OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

**- Alternative sources for toxicological information** No non-standard sources for toxicological information where used.**12 Ecological information****- Toxicity****- Aquatic toxicity:** No further relevant information available.**- Persistence and degradability** No further relevant information available.**- Bioaccumulative potential** No further relevant information available.**- Mobility in soil** No further relevant information available.**- Results of PBT and vPvB assessment****- PBT:** Not applicable.**- vPvB:** Not applicable.**- Other adverse effects****- 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.

**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.**- Recommended cleansing agent:** Water, if necessary with cleansing agents.**14 Transport information**

<b>- UN-Number</b> - DOT, IMDG, IATA	not regulated
<b>- UN proper shipping name</b> - DOT, IMDG, IATA	not regulated
<b>- Transport hazard class(es)</b> - DOT, ADN, IMDG, IATA - Class	not regulated
<b>- Packing group</b> - DOT, IMDG, IATA	not regulated
<b>- Environmental hazards:</b>	Not applicable.
<b>- Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.
<b>- Special precautions for user</b>	Not applicable.
<b>- UN "Model Regulation":</b>	not regulated

**15 Regulatory information****- Safety, health and environmental regulations/legislation specific for the substance or mixture**

No further relevant information available.

**- Sara****- Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

(Contd. on page 6)

# Safety Data Sheet

acc. to OSHA HCS

Date of issue: 05/05/2025

Reviewed on 05/05/2025

**Trade name:** Torque-Lok Medium Strength Threadlocker Stick

(Contd. of page 5)

<b>- Section 313 (Specific toxic chemical listings):</b>		
CAS: 80-15-9	dimethylbenzyl hydroperoxide	
CAS: 98-82-8	Cumene	
CAS: 98-86-2	acetophenone	
<b>- TSCA (Toxic Substances Control Act):</b>		
2-(2-methylprop-2-enoyloxy)ethyl 2-methylprop-2-enoate	ACTIVE	
Tetraethylene glycol hexoate	ACTIVE	
Amorphous Silica	ACTIVE	
Saccharin	ACTIVE	
propane-1,2-diol	ACTIVE	
dimethylbenzyl hydroperoxide	ACTIVE	
Deionized water	ACTIVE	
2'-phenylacetohydrazide	ACTIVE	
Cumene	ACTIVE	
tetrasodium ethylenediaminetetraacetate	ACTIVE	
titanium dioxide	ACTIVE	
N-isopropylhydroxylamine	ACTIVE	
acetophenone	ACTIVE	
2-Phenyl-2-propanol	ACTIVE	
Colorant	ACTIVE	
1,4-naphthoquinone	ACTIVE	
1-hydroxyethane-1,1-diylbis(phosphonic acid)	ACTIVE	
2-Propanone, oxime	ACTIVE	
phosphorous acid	ACTIVE	
<b>- Hazardous Air Pollutants</b>		
CAS: 98-82-8	Cumene	
CAS: 98-86-2	acetophenone	
CAS: 130-15-4	1,4-naphthoquinone	
<b>- Proposition 65</b>		
<b>- Chemicals known to cause cancer:</b>		
CAS: 98-82-8	Cumene	
<b>- Chemicals known to cause reproductive toxicity for females:</b>		
None of the ingredients is listed.		
<b>- Chemicals known to cause reproductive toxicity for males:</b>		
None of the ingredients is listed.		
<b>- Chemicals known to cause developmental toxicity:</b>		
None of the ingredients is listed.		
<b>- Carcinogenic categories</b>		
<b>- EPA (Environmental Protection Agency)</b>		
CAS: 98-82-8	Cumene	D, CBD
CAS: 98-86-2	acetophenone	D
<b>- TLV (Threshold Limit Value)</b>		
CAS: 13463-67-7	titanium dioxide	A4
<b>- NIOSH-Ca (National Institute for Occupational Safety and Health)</b>		
CAS: 13463-67-7	titanium dioxide	
<b>- Chemical safety assessment:</b> A Chemical Safety Assessment has not been carried out.		
<b>*16 Other information</b>		
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.		
<b>- Department issuing SDS:</b> Safety, Health and Environmental Affairs		
<b>- Classification System:</b>		
<b>- HMIS-ratings (scale 0 - 4)</b>		
HEALTH <b>2</b>	Health = 2	
FIRE <b>1</b>	Fire = 1	
REACTIVITY <b>0</b>	Reactivity = 0	

(Contd. on page 7)

# Safety Data Sheet

acc. to OSHA HCS

Date of issue: 05/05/2025

Reviewed on 05/05/2025

Trade name: Torque-Lok Medium Strength Threadlocker Stick

(Contd. of page 6)

**- NFPA ratings (scale 0 - 4)**

Health = 2  
 Fire = 1  
 Reactivity = 0

**- Date of previous version** 05/02/2025**- Version number of previous version:** 7**- Date of preparation** 05/05/2025**- Abbreviations and acronyms:**

IMDG: International Maritime Code for Dangerous Goods  
 DOT: US Department of Transportation  
 IATA: International Air Transport Association  
 EINECS: European Inventory of Existing Commercial Chemical Substances  
 ELINCS: European List of Notified Chemical Substances  
 CAS: Chemical Abstracts Service (division of the American Chemical Society)  
 VOC: Volatile Organic Compounds (USA, EU)  
 LC50: Lethal concentration, 50 percent  
 LD50: Lethal dose, 50 percent  
 PBT: Persistent, Bioaccumulative and Toxic  
 vPvB: very Persistent and very Bioaccumulative  
 NIOSH: National Institute for Occupational Safety  
 OSHA: Occupational Safety & Health  
 TLV: Threshold Limit Value  
 PEL: Permissible Exposure Limit  
 REL: Recommended Exposure Limit  
 Flammable liquids 4: Flammable liquids – Category 4  
 Self-reactive substances and mixtures - Type F: Self-reactive substances and mixtures – Type E/F  
 Organic peroxides - Type E: Organic peroxides – Type E/F  
 Acute toxicity - oral 4: Acute toxicity – Category 4  
 Acute toxicity - inhalation 3: Acute toxicity – Category 3  
 Skin corrosion 1B: Skin corrosion/irritation – Category 1B  
 Skin irritation 2: Skin corrosion/irritation – Category 2  
 Eye damage 1: Serious eye damage/eye irritation – Category 1  
 Eye irritation 2A: Serious eye damage/eye irritation – Category 2A  
 Sensitization - skin 1: Skin sensitisation – Category 1  
 Specific target organ toxicity (single exposure) 3: Specific target organ toxicity (single exposure) – Category 3  
 Specific target organ toxicity (repeated exposure) 2: Specific target organ toxicity (repeated exposure) – Category 2  
 Aspiration hazard 1: Aspiration hazard – Category 1

**- \* Data compared to the previous version altered.**