



## Safety data sheet

According to 91/155 EEC

Printing date 19.10.2015

Revision: 19.10.2015

### 1 Identification of the substance/mixture and of the company/undertaking

- **Product identifier**
- **Trade name:** NUT LOCK 50 ml
- **Article number:** 620
- **Application of the substance / the preparation** Medium strength bond which requires 20Nm torque to loosen.
- **Details of the supplier of the safety data sheet**
- **Further information obtainable from:**  
 WYNN OIL SOUTH AFRICA ( PTY ) LTD  
 22 Mopedi Road,  
 Sebenza, Edenvale  
 1609  
 Gauteng  
 South Africa  
 Tel: 2711 609 3708  
 Fax: 2711 609 3708  
 techical@wynns.co.za
- **Emergency telephone number:** Tel: 2711 609 3708

### 2 Composition/information on ingredients

- **Chemical characterization: Mixtures** This material has no health hazards.
- **Description:** This material has no health hazards.

· **Dangerous components:**

79-41-4	methacrylic acid C R35;  Xn R21/22 H314;  H302; H312; H227	2-10%
80-15-9	$\alpha,\alpha$ -dimethylbenzyl hydroperoxide T R23;  C R34;  Xn R21/22-48/20/22;  O R7;  N R51/53 H242;  H331;  H373;  H314;  H411;  H302; H312; H227	1-10%
99-97-8	N,N-dimethyl-p-toluidine T R23/24/25 R33-52/53 H301; H311; H331;  H373; H227; H412	0.5-1.0%

- **Additional information:** For the wording of the listed risk phrases refer to section 16.

### 3 Hazards identification

- **Classification of the substance or mixture**
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**



C; Corrosive

R34: Causes burns.



Xn; Harmful

R20/21/22: Harmful by inhalation, in contact with skin and if swallowed.



Xi; Irritant

R37: Irritating to respiratory system.

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- **Information concerning particular hazards for human and environment:**

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

N/A

- **Classification system:**

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

- **Label elements**

- **Labelling according to EU guidelines:**

Observe the general safety regulations when handling chemicals.

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

- **Code letter and hazard designation of product:**

C Corrosive

- **Hazard-determining components of labelling:**

methacrylic acid

$\alpha,\alpha$ -dimethylbenzyl hydroperoxide

- **Risk phrases:**

20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

34 Causes burns.

37 Irritating to respiratory system.

- **Safety phrases:**

2 Keep out of the reach of children.

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

37/39 Wear suitable gloves and eye/face protection.

45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

### 4 First aid measures

- **General information:**

Immediately remove any clothing soiled by the product.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

- **After inhalation:**

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

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

- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.

- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.

- **After swallowing:**

Call for a doctor immediately.

Drink plenty of water and provide fresh air. Call for a doctor immediately.

### 5 Firefighting measures

- **Suitable extinguishing agents:**

CO<sub>2</sub>, 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.

- **Protective equipment:** Mouth respiratory protective device.

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### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**  
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:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Use neutralizing agent.  
Dispose contaminated material as waste according to item 13.  
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.  
Prevent formation of aerosols.
- **Information about fire - and explosion protection:** No special measures required.
- **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 container tightly sealed.
- **Specific end use(s)** No further relevant information available.

### 8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.

- **Ingredients with limit values that require monitoring at the workplace:**

#### 79-41-4 methacrylic acid

OEL (South Africa)	Short-term value: 140 mg/m <sup>3</sup> , 40 ppm
	Long-term value: 70 mg/m <sup>3</sup> , 20 ppm

- **Additional information:** The lists valid during the making were used as basis.
- **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.
- **Respiratory protection:**  
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
- **Protection of hands:**



Protective gloves

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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. 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.

- **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:**



Tightly sealed goggles

## 9 Physical and chemical properties

- **General Information**

- **Appearance:**

**Form:** Liquid  
**Colour:** As per product specification

- **Odour:** Characteristic

- **Odour threshold:** Not determined.

- **pH-value at 20 °C:** 7

- **Change in condition**

**Melting point/Melting range:** Undetermined.

**Boiling point/Boiling range:** 161 °C

- **Flash point:** 68 °C

- **Flammability (solid, gaseous):** Not applicable.

- **Ignition temperature:**

**Decomposition temperature:** Not determined.

- **Self-igniting:** Product is not selfigniting.

- **Danger of explosion:** Product does not present an explosion hazard.

- **Explosion limits:**

**Lower:** Not determined.

**Upper:** Not determined.

- **Vapour pressure:** Not determined.

- **Density at 20 °C:** 1.08 g/cm<sup>3</sup>

- **Relative density** Not determined.

- **Vapour density** Not determined.

- **Evaporation rate** Not determined.

- **Solubility in / Miscibility with water:**

Not miscible or difficult to mix.

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- **Partition coefficient (n-octanol/water):** Not determined.
- **Viscosity:**
  - Dynamic:** Not determined.
  - Kinematic:** Not determined.
- **Solvent content:**
  - Organic solvents:** 0.0 %
  - VOC (EC)** 0.00 %
- **Other information** No further relevant information available.

### 10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

### 11 Toxicological information

- **Acute toxicity:**

- **LD/LC50 values relevant for classification:**

#### 79-41-4 methacrylic acid

Oral	LD50	1332 mg/kg (mouse)
Dermal	LD50	500 mg/kg (rabbit)

#### 80-15-9 $\alpha, \alpha$ -dimethylbenzyl hydroperoxide

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

- **Primary irritant effect:**

- **on the skin:**

Caustic effect on skin and mucous membranes.  
No irritating effect.

- **on the eye:** Strong caustic effect.

- **Sensitization:** No irritating effect.

- **Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

Harmful

Corrosive

Irritant

Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

### 12 Ecological information

- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.

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- **Additional ecological information:**
- **General notes:**  
*Water hazard class 1 (German Regulation) (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.  
 Must not reach sewage water or drainage ditch undiluted or unneutralized.*

### 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**  
*Must not be disposed together with household garbage. Do not allow product to reach sewage system.*
- **Uncleaned packaging:**
- **Recommendation:** *Disposal must be made according to official regulations.*

### 14 Transport information

· <b>UN-Number</b>	N/A
· <b>UN proper shipping name</b>	-
· <b>Transport hazard class(es)</b>	N/A
· <b>Packing group</b>	N/A
· <b>Environmental hazards:</b>	
· <b>Marine pollutant:</b>	No
· <b>Special precautions for user</b>	Not applicable.
· <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.

### 15 Regulatory information

- **Labelling according to EU guidelines:**  
*Observe the general safety regulations when handling chemicals.  
 The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.*
- **Code letter and hazard designation of product:**  
*C Corrosive*
- **Hazard-determining components of labelling:**  
*methacrylic acid  
 α,α -dimethylbenzyl hydroperoxide*
- **Risk phrases:**  
*20/21/22 Harmful by inhalation, in contact with skin and if swallowed.  
 34 Causes burns.  
 37 Irritating to respiratory system.*
- **Safety phrases:**  
*2 Keep out of the reach of children.  
 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
 37/39 Wear suitable gloves and eye/face protection.*

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45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

· **National regulations:**

Class	Share in %
I	2.3

### 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.

· **Relevant phrases**

- H227 Combustible liquid.  
 H242 Heating may cause a fire.  
 H301 Toxic if swallowed.  
 H302 Harmful if swallowed.  
 H311 Toxic in contact with skin.  
 H312 Harmful in contact with skin.  
 H314 Causes severe skin burns and eye damage.  
 H331 Toxic if inhaled.  
 H373 May cause damage to organs through prolonged or repeated exposure.  
 H411 Toxic to aquatic life with long lasting effects.  
 H412 Harmful to aquatic life with long lasting effects.
- R21/22 Harmful in contact with skin and if swallowed.  
 R23 Toxic by inhalation.  
 R23/24/25 Toxic by inhalation, in contact with skin and if swallowed.  
 R33 Danger of cumulative effects.  
 R34 Causes burns.  
 R35 Causes severe burns.  
 R48/20/22 Harmful: danger of serious damage to health by prolonged exposure through inhalation and if swallowed.  
 R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
 R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
 R7 May cause fire.

· **Department issuing MSDS:**

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